






















June 2024 Academic and Student Affairs Committee

Schedule	Wednesday, June 5, 2024 8:30 AM — 8:45 AM CDT
Venue	UofM Lambuth - Jackson, TN
Organizer	Colton Cockrum

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1. Call to Order and Opening Remarks

Presentation

Presented by Jeffrey Marchetta

2. Roll Call and Declaration of Quorum

Presented by Colton Cockrum

3. Approval of Academic and Student Affairs Meeting Minutes from March 13, 2024

For Approval

Presented by Jeffrey Marchetta

4. Tenure Upon Appointment

For Approval

Presented by David Russomanno

The University of Memphis Board of Trustees

Recommendation for Approval

Date: June 5, 2024

Committee: Academic and Student Affairs Committee

Presentation: Tenure Upon Appointment as Professor, School of Public Health
Dr. Angelia Sanders (Recommendation for Approval)

Presented by: Dr. David Russomanno, Executive Vice President for Academic Affairs and Provost

Background:

Dr. Sanders has an exceptional and sustained record of research, teaching, mentorship, and public health outreach. Immediately prior to joining the University of Memphis, Dr. Sanders was a Public Health Advisor for the CDC National Center for Chronic Disease Prevention. Her initial appointment was as a Behavioral Scientist for the CDC-National Center for HIV/AIDS, Viral Hepatitis, STD & TB Prevention. She was previously a tenured faculty member at The University of Alabama, Department of Health Science for nine years. Prior to that, she was a tenured faculty member at the Mississippi University for Women in the Department of Health and Kinesiology. In addition to academics, Dr. Sanders' role as Director allowed her to lead advising, counseling, and student support services. Additionally, she served on the leadership team that guided WSU-Tech through the accreditation process.

She has co-authored more than 50 peer-review publications in reputable scientific journals, and she has written three book chapters among several other scholarly publications. She has obtained funding from federal, state, and international agencies and she has led or co-led more than 70 professional presentations. Her scholarly and professional record is indicative of her capacity to build and maintain long-lasting partnerships.

Recommendation:

The Academic and Student Affairs Committee recommends approval of tenure for Dr. Sanders as Professor upon her appointment in the School of Public Health.

TIMELINE ADJUSTMENT FOR PROMOTION AND/OR TENURE

(formerly known as “Tenure Reduction Form”)

FACULTY INFORMATION

NAME: Angelia Sanders **U-NUMBER:** NEW
FIRST MIDDLE LAST U00123456

COLLEGE/SCHOOL: School of Public Health

DEPARTMENT: Health Systems Management and Policy

PLEASE CHECK ONE (1):

- ☒ **TENURE UPON APPOINTMENT****
- ☐ **PROMOTION TIMELINE** **TIMELINE REDUCTION** _____ **YEAR(S)**
- ☐ **TENURE TIMELINE *** **TIMELINE REDUCTION** _____ **YEAR(S)**
- ☐ **TENURE & PROMOTION TIMELINE *** **TIMELINE REDUCTION** _____ **YEAR(S)**

* WILL THIS REDUCTION RESULT IN A CHANGE IN THE INDIVIDUAL’S MID-TENURE REVIEW TIMING? ☐ YES ☒ NO

IF YES, INDICATE THE ADJUSTED MID-TENURE YEAR: _____
 (YEAR ONLY – 20XX)

JUSTIFICATION REQUIRED

PLEASE SUBMIT YOUR CV AND JUSTIFICATION, ALONG WITH THIS FORM TO PROVOST@MEMPHIS.EDU.

**Please reference [Section 4.9.3A in the Faculty Handbook](#) regarding procedures for Tenure Upon Appointment

RECOMMEND APPROVAL

RECOMMENDED

CHAIR SIGNATURE

Ashish Joshi

DEAN SIGNATURE

DATE (MM/DD/YYYY)

12/05/2023

DATE (MM/DD/YYYY)

☐ YES

☒ YES

APPROVAL

APPROVED

PROVOST SIGNATURE

David Russomanno

03/26/2024

DATE (MM/DD/YYYY)

☒ YES

***ADJUSTED TENURE AND/OR PROMOTION APPLICATION:** _____

*COMPLETED BY PROVOST

(SEMESTER)

(YEAR – 20XX)



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Memorandum

To: Dr. Bill Hardgrave, President University of Memphis
From: Dr. Ashish Joshi, Dean School of Public Health
Date: January 4, 2024
Re: Tenure on appointment for Dr. Angelia Sanders

This memo is to request that Dr. Angelia Sanders be granted immediate tenure as a Professor upon appointment. This request is based on her exceptional and sustained record of research, teaching, mentorship, and public health outreach. Additionally, I have attached the recommendation from the School of Public Health's Tenure and Promotion Committee.

Dr. Sanders is currently a Public Health Advisor for the CDC National Center for Chronic Disease Prevention after her initial appointment as a Behavioral Scientist for the CDC-National Center for HIV/AIDS, Viral Hepatitis, STD & TB Prevention. She was previously a tenured faculty member at The University of Alabama, Department of Health Science for nine years. Prior to that, she was a tenured faculty member at the Mississippi University for Women in the Department of Health and Kinesiology. In addition to academics, Dr. Sanders role as Director allowed her to lead advising, counseling and student support services. Additionally, she served on the leadership team that guided WSU-Tech through the accreditation process.

She has co-authored more than 50 peer-review publications in reputable scientific journals and she has written three book chapters among several other scholarly publications. She has obtained funding from federal, state, and international agencies and she has led or co-led more than 70 professional presentations. Her scholarly and professional record is indicative of her capacity to build and maintain long-lasting partnerships.

Currently Dr. Sanders' position as a Public Health Advisor allows her to work with funded health systems recipients to initiate, manage, and evaluate their projects which include various models of service delivery (e.g., hospital-EMS projects, state health Department-local primary care projects). She also provides technical assistance to those recipients and supports other related work in that position which can be parlayed into providing important insight, knowledge, and experience in the classroom and in a health services program.

Dr. Sanders portfolio is well rounded in teaching, research, mentorship, and service. I request your approval of her tenure on appointment.

**The University of Memphis
School of Public Health**

Memorandum

Date: December 21, 2023

From: Hongmei Zhang, PhD, Chair, School of Public Health Promotion and Tenure (P&T) Committee

P&T Committee Members: Drs. Chunrong Jia, Satish Kedia, Marian Levy, Latrice Pichon, Hongmei Zhang.

To: Dr. Ashish Joshi, PhD, MBBS, MPH, Dean

Re: Committee Report of Dr. Angelia Sanders' appointment with Professor and tenure

The School of Public Health P&T Committee reviewed Dr. Angelia Sanders' teaching, research, and service and assessed her qualification for offering Professor with tenure upon appointment.

Currently, Dr. Sanders is the Public Health Advisor in the Program Development and Services Branch of the Division for Heart Disease and Stroke Prevention at the Centers for Disease Control and Prevention (CDC). Prior to joining CDC, she worked as a tenured Associate Professor of Public Health at The University of Alabama in Tuscaloosa, where she served as the Interim Department Chair for the Department of Health Sciences between 2018 and 2020. She is a fellow of the Kansas Public Health Institute and has served in public health for over 17 years.

Thus far, Dr. Sanders has published three book chapters and co-authored 50 peer-review publications in reputable scientific journals. She also has experience in securing research funds from regional, foundational and federal agencies. Dr. Sanders has more than 15 years teaching experience in the area of public health, health promotion and education. In terms of service, Dr. Sanders has served on various committees at different levels in the past more than 15 years.

After reviewing, the P&T Committee unanimously agreed that Dr. Sanders' research, teaching, and service meet the criteria for tenure. For her promotion from Associate Professor to Professor, five Professors voted with four voted Yes and one abstain. Based on majority votes, the Committee recommended her appointment as Professor with tenure.

Angelia M. (Paschal) Sanders, PhD

CV

Contact Information

Centers for Disease Control and Prevention
Division for Heart Disease and Stroke Prevention
Program Development and Services Branch
4770 Buford Highway, NE, Mailstop F-72
Atlanta, Georgia 30341

rpe4@cdc.gov
angelia.m.paschal@gmail.com
404-498-4714 (work)
316-371-0087 (mobile)

Education

Ph.D., Sociology (Sociology of Health & Healthcare), 2003
M.Ed., Educational Psychology, 1992
B.A., Psychology, 1990

Kent State University
University of Mississippi
University of Mississippi

Certificates/Training

Project Officer Certificate Program, 2022-2023

Centers for Disease Control and Prevention

Clinical Research Scholars Training Program
K-30 Fellow, 2007-2009

University of Kansas Medical Center-Kansas City

Kansas Public Health Leadership Institute (KPHLI)
KPHLI Fellow, 2006-2007

University of Kansas School of Medicine-Wichita

Methods in Community-Based Participatory Research
Graduate course, 2006

University of Michigan

Management Certificate Program, 2001

Wichita State University
Center for Management Development

Professional Employment & Academic Appointments

May 2021 – Present

**Public Health Advisor & Behavioral Scientist positions
Centers for Disease Control and Prevention (CDC)
Atlanta, Georgia**

– **Public Health Advisor**

January 2023 – Present

CDC-National Center for Chronic Disease Prevention and Health Promotion

Division for Heart Disease and Stroke Prevention

Program Development and Services Branch

Advancing Health Equity Team

Serve as Project Officer for the initiation, administration, and closeout of comprehensive, multi-organization cooperative agreements. Help develop performance measures, design data collection systems, and help track and monitor program progress. Serve as a Health Equity Subject Matter Expert and work on writing committees for Notice of Funding Opportunities and concept proposals. Participate on special projects (e.g., policy review and revisions) and serve as a member on the DHHS Equity Research Agenda workgroup.

– **Behavioral Scientist**
May 2021 – January 2023
CDC-National Center for HIV/AIDS, Viral Hepatitis, STD & TB Prevention
Division for HIV Prevention
HIV Research Branch
Health Equity and Social Determinants of Health Research Team

Applied behavioral and social science theories, methods, and techniques to the analysis of public health issues. Served as Project Officer for implementation science cooperative agreements. Participated in the development of Notice of Funding Opportunities and concept proposals. Provided consultation to HIV studies and programs across the Division as a Health Equity Subject Matter Expert. Serve as a workgroup member on the Division's Implementation Science Workgroup and the DHHS Equity Research Agenda workgroup.

Associate Professor (Tenured)
August 2012 - May 2021
The University of Alabama
Department of Health Science
Tuscaloosa, Alabama

Graduate Faculty -- Ph.D. in Health Education & Promotion program, M.P.H. in Health Education & Promotion, M.A. in Health Studies

Undergraduate Faculty -- B.S. in Public Health program

Graduate Faculty
2016-2021
University of Alabama-Birmingham
Birmingham, Alabama

School of Education, Community Health and Human Services

Faculty Affiliate
2008-2010; 2014-2021
University of Montana
Missoula, Montana

School of Public & Community Health Sciences, Master of Public Health (MPH) Program

Associate Professor (Tenured)
August 2010 - July 2012
Mississippi University for Women
Department of Health & Kinesiology
Columbus, Mississippi

Graduate Faculty, M.S. in Health Education Program

Faculty, B.S. in Public Health Education Program

Department of Health & Kinesiology; College of Education & Human Sciences

Mississippi University for Women, Columbus, MS

Assistant Professor**March 2003 – August 2010****Department of Population Health****University of Kansas School of Medicine-Wichita (Primary Appointment)****University of Kansas Medical Center, Kansas City (Secondary Appointment)**

Special Graduate Faculty (2016-2019)

Teaching Associate (2012-2015)

Adjunct Associate Professor (2010-2012)

Assistant Professor (2004-2010)

Research Consultant, Office of Research (Dual appointment, 2004-2005)

Research Assistant Professor (2003-2004)

Graduate Faculty, Master of Public Health Program

School of Medicine Faculty, Health of the Public Clerkship

Associate Director / Doctoral Fellow**Youth Empowerment Project****March 2002 – March 2003 (One-Year Fellowship)****Department of Psychology****Wichita State University, Wichita, KS**

As part of one-year fellowship, helped implement, manage, and evaluate the Youth Empowerment Project (YEP), an HIV and substance abuse prevention program for African American adolescents.

Served as grant consultant to two health care clinics and a community-based organization that worked with YEP; helped obtain two grants.

Fellowship funded by the Substance Abuse and Mental Health Services Administration.

Director, Student Services**February 2000 - March 2002****WSU-Tech (Wichita Area Technical College during employment), Wichita, KS**

Led the advising, counseling, job services, and recruitment functions for the college.

Served on leadership team to help College obtain its first accreditation.

Senior Coordinator, Master of Public Health Program**March 1997 – February 2000****Department of Population Health****University of Kansas School of Medicine-Wichita, Wichita, KS**

Managed program admissions, student recruitment, program publicity, and programming.

Supported accreditation activities, budgeting, and course scheduling.

Graduate Teaching Fellow (1992-1995); Instructor (1995-1996)**August 1992 – December 1996****Department of Sociology****Kent State University**

Taught undergraduate sociology classes

Scholarly Awards & Recognitions

Best Research Poster, 2017

Mitchell JB, Mitchell QB, Paschal AM. (October 2017). Barriers and facilitators of a community lifestyle intervention to reduce CVD in rural African Americans. Presented at the *Community Engagement Institute Annual Conference*. University of Alabama-Birmingham, Birmingham, AL

Recognition for Excellence in Academic Advising, 2016

Student-nominated recognition

Office for Academic Affairs and Academic Advisors Association

The University of Alabama

History in the Making Educator Award, 2011

Awarded for teaching; nominated by faculty, staff, & students involved in Stay Dry, Mississippi Coalition of Partners in Prevention

Mississippi University for Women

Kansas Health Foundation Excellence in Teaching Award, 2009

Awarded for teaching; nominated by MPH students

University of Kansas Master of Public Health Program

Executive Vice Chancellor Diversity Award, 2007

Awarded for teaching, research, and service that promoted diversity

University of Kansas Medical Center

Minority Medical Education Faculty Award, 2006

KUMC Center of Excellence for Minority Medical Education

Competitive award based on research proposal

University of Kansas Medical Center

Kansas Health Foundation Excellence in Teaching Award, 2006

Awarded for teaching (award is student-nominated)

University of Kansas Master of Public Health (MPH) Program

Health Disparities Scholar / NIH-LRP Fellow, 2005, 2007, 2009

National Institutes of Health-National Center on Minority Health and Health Disparities (NIH-NCMHD)

Scholar recognition granted three times; based on competitive NIH-Loan Repayment Program awards for health disparities research

Golden Apple Award, 2005

Awarded for "Teaching Excellence in the Master of Public Health Program and the Health of the Public Clerkship; nominated by faculty

Department of Preventive Medicine and Public Health

University of Kansas School of Medicine-Wichita

Graduate Student University Award for Outstanding Student Achievement and Student Support Service,

1994, Awarded by Division of Graduate Studies

Kent State University

TEACHING

Courses Taught:

<u>Year(s)</u>	<u>Program & University</u>	<u>Course Title</u>
2012 - 2021	Ph.D. in Health Education & Health Promotion program The University of Alabama	<ul style="list-style-type: none"> • Planning & Administration in Health & Health Promotion • Addressing Health Equity through Health Promotion • Readings in Health • Independent Study • Special Projects in Health • Dissertation Research
2012 - 2021	M.A. in Health Studies program The University of Alabama	<ul style="list-style-type: none"> • Evaluation in Health Education • Independent Study
2012 - 2021	B.S. in Public Health program The University of Alabama	<ul style="list-style-type: none"> • Health Disparities • Introduction to Community and Public Health
2013, 2017, 2018	Honors College The University of Alabama	<ul style="list-style-type: none"> • Health disparity projects with individual students
2010-2012	B.S. Public Health Education Mississippi University for Women	<ul style="list-style-type: none"> • Introduction to Public Health • Community Health Issues • Social & Behavioral Aspects of Public Health • Global and Public Health • Chronic Disease and Public Health
2010-2012	M.S. Health Education Mississippi University for Women	<ul style="list-style-type: none"> • Theories of Health Behavior • Health Disparities • Community Health Education Methods • Health Program Planning & Implementation • Health Program Evaluation • Research Methods in Health Education • Cultural Competency in Health
2009	Master of Public Health University of Montana	<ul style="list-style-type: none"> • Neuroepidemiology PUB H 595 Topic: Epilepsy Disparities in Rural Communities
2003-2013 2015-2016	Master of Public Health University of Kansas School of Medicine-Wichita	<ul style="list-style-type: none"> • Cultural Competency • Social & Behavioral Aspects of Public Health • Health Disparities • Community Health Project • Community Health Practicum
2003-2010	Health of the Public Medical student rotation University of Kansas School of Medicine-Wichita	<ul style="list-style-type: none"> • Health Literacy • Health Disparities
1994-1996	B.A. Sociology program Kent State University	<ul style="list-style-type: none"> • Introduction to Sociology • Inequalities in Society • Individual and Society

Dissertations

The University of Alabama, 2012-2021

- Alicia Ingargiola (Dissertation In Progress)
Sleep Behavior and Quality among University Athletes: An application of the Theory of Planned Behavior
Role: Committee Member
- Thometta Cozart (Dissertation In Progress)
Assessing for Awareness and Knowledge of Epilepsy among Certified Health Educators
Role: Committee Member
- Sara Hendrix (Completed Fall 2020)
Exploring Determinants of Community Led Total Sanitation (CLTS) on Latrine Adoption among Rural Cambodians Utilizing the Diffusion of Innovation Theory: A Qualitative Study
Role: Co-Chair with Dr. Levi Ross
- Lee Johnson III (Completed Fall 2020)
Emotional Determinants of health: Mental Well-being Challenges among African American Men with Adverse Childhood Experiences: Analysis of Behavioral Risk Factor Surveillance System Data 2009-2012
Role: Co-Chair with Dr. Wanda M. Burton
- Rebecca Eaton Rich (Completed Summer 2020)
A Qualitative Exploration of the Influence of College Women's Perceptions of Feminism on Their Sexual Health Service- and Information-Seeking Behaviors
Role: Chair
- Rebecca Leung (Completed Summer 2019)
Effect of Internet and Conventional Advertisement Exposure on Electronic Cigarette Use among Adolescents: Findings from the National Youth Tobacco Survey
Role: Chair
- Meghan Shewmake (Completed Summer 2019)
Examining College Students' Use, Perceptions, and Knowledge of Marijuana and Marijuana Laws
Role: Committee Member
- Jennifer Evans (Completed Summer 2019)
Examining College Women's Hookup Behaviors and Condom Negotiation Strategies Used with Their Online and Offline Partners
Role: Committee Member
- Eric Conrad (Completed Summer 2018)
Development and Validation of a Theory-based Instrument to Assess School Organizational Readiness to Advance Implementation of the Whole School, Whole Community, Whole Child Model
Role: Committee Member
- Georgiana Logan (Completed Summer 2018)
Exploring African American Fathers Utilization of Family Planning in Relation to Father Involvement: Results from a National Study
Role: Committee Member

- Kristen Allen (Completed Summer 2018)
Determinants for the Use of Complementary Health Approaches: Results from a National Survey.
Role: Committee Member
- Andrew J. Piazza, MS, MCHES, CSCS (Completed Summer 2017)
Pedestrian Crossing Behavior in College Students: Exploration Using the Theory of Planned Behavior
Role: Committee Member
- Wanda M. Burton, MS (Completed Spring 2017)
Coping at the Intersection: A Transformative Mixed Methods Study of Gendered Racism
Role: Co-Chair with Dr. David A. Birch
- Ashley N. White, MPH (Completed Spring 2017)
The Role of Social and Cultural Factors on Preventive Health Services Use among Young Rural African American Men: A Narrative Inquiry
Role: Committee Member
- Marquita W. Lewis, MPH, MS-PHLS (Completed Fall 2016)
The Combined Effect of Low Income and Low Education on Coronary Heart Disease (CHD) Outcomes in the REasons for Geographic and Racial Differences in Stroke (REGARDS) Study
Role: Committee Member
- Natasha Aduloju-Ajijola, MPH (Completed Summer 2016)
Examining the Determinants of Condom Use among African American Students at Predominantly White Institutions in Alabama
Role: Chair
- Antonio Gardner, MS (Completed Summer 2016)
Exploring risky Sexual Behaviors of Southern African American Men and Their Readiness for a Barbershop-Based HIV Prevention Intervention
Role: Chair
- Sarah Toth, MEd (Completed Fall 2015)
Addressing School District Readiness for Elementary Health Education Using the Transtheoretical Model
Role: Committee member
- Hannah Priest, MEd (Completed Summer 2015)
Development and Validation of a Theory of Planned Behavior-Based Instrument to Predict Human Papillomavirus Vaccination Intentions of College Males
Role: Committee member
- Sarah Rush, MA (Completed Spring 2015)
Examining Personal and Environmental Factors Related to the Co-Occurrence of Heavy Episodic Drinking and Disordered Eating Behaviors among College Students
Role: Committee member
- Margaret Shields, MS (Completed Spring 2015)
Investigating the Campus Cycling Environment of a Large Southeastern University from an Ecological Perspective
Role: Chair

- Qshequilla Mitchell, MPH, MA (Completed Fall 2014)
Relationships between High School Students' Health Behaviors and Perceptions of their 9th Grade Health Education Course
Role: Committee member
- Kate Hendricks Thomas, MA (Completed Summer 2014)
Predictors of Depression and Symptoms in Veterans: Results from a National Survey
Role: Committee member

Honors College Student Projects (Directed)

University of Kansas School of Medicine-Wichita

- Tomisha Hicks (Spring 2018): Student Perceptions and Challenges Regarding Health Equity and Related Concepts
- Bailey Spivey (Fall 2017): Serving the Undeserved
- Lindsay Lord (Fall 2013): TGlobal Health Equity

Master's Theses & Practicum Projects

University of Kansas School of Medicine-Wichita

<u>Year</u>	<u>Student Name</u>	<u>Capstone Title</u>	
2010	Terri Reed	Examining oral health and insurance issues among uninsured children (Chaired till institutional change in 2010)	Chair
2010	Jennifer Dutton	Evaluation of the Chautauqua Informatics Project in Kansas: A public health workforce development project	Chair
2009	Oluchi Ohanaka, R.PH, DrPharm	Evaluating the Medication Assistance Program (MAP) at a safety-net clinic from the perspective of a public health pharmacist	Chair
2009	Emily Ngugi, RN	Evaluation of the E.C. Tyree Health and Dental Clinic's Healthy Smiles Program	Chair
2009	Erin Janke	Assessment of quality of life among older adults in Sedgwick County	Chair
2008	Paula Rowden, RN	Oral health practices, behaviors, and beliefs among Low-German Speaking Mexican Mennonites in Southwest Kansas	Chair
2005	Merilee Zimbelman	Addressing physical inactivity among developmentally disabled students through visual schedules and social stories	Chair
2005	Monique Brooks, RN	What barriers keep African American women from participating in clinical trials?	Chair
2003-2010	36 Additional Students	Thirty-six (36) additional theses and practicum projects	Committee Member

PUBLICATIONS

Peer-Reviewed Publications

1. Burton WM, Jaiswal J, Sanders AM. (In Press). Coping among Black College Women: A transformative study of gendered racism. *Research in Nursing & Health*.
2. Burton WM, Paschal AM, Jaiswal J, Leeper JD, Birch DA. (2022). Gendered racial microaggressions and black college women: A cross-sectional study of depression and psychological distress, *Journal of American College Health*, 1-8.
3. Piazza AJ, Knowlden AP, Hibberd E, Leeper J, Paschal AM, Usdan S. (2022) Distracted mobile device use among street-crossing college student pedestrians: an observational approach, *Journal of American College Health*, 70, 7, 2135-2142.
4. Paschal AM, Mitchell JB, Burton WM, Nickelson J, Murphy PZ, Ford F. (2020). Using Community-based Participatory Research to Explore Food Insecurity in African American Adults. *American Journal of Health Education*, 51, 3, 186-195.
5. Gardner AJ, Paschal AM, Leeper J, Usdan S, Tucker M, Gordon B. (2020). Assessing readiness for barbershop-based HIV prevention programs in the south. *American Journal of Health Studies*, 34, 4, 214-221.
6. Rich RE, Paschal AM. (2020). US college students' perceptions of social determinants of health, health equity and racial health disparities. *Health Education Journal*, 79, 3.
7. Piazza AJ, Knowlden AP, Hibberd E, Leeper J, Paschal AM, Usdan S. (2019). Mobile device use while crossing the street: Utilizing the theory of planned behavior. *Accident, Analysis, and Prevention*, 127, 9-18.
8. Mitchell JB, Paschal AM, Parmelee PA, Murphy PZ. (2018). LIVE: A Community-based intervention to reduce CVD risk factors in rural community-dwelling African Americans. *American Journal of Health Education*, 49, 5, 326-334.
9. Catalano HP, Knowlden AP, Birch DA, Leeper J, Paschal AM, Usdan SL. (2017). Using the theory of planned behavior to predict HPV vaccination intentions of college males. *Journal of American College Health*, 65, 3, 197-207.
10. Shields MM, Thomas KH, Paschal A, Usdan S, Tucker M, Leeper J. (2017). Promoting campus cycling for outdoor recreation and transportation: investigating factors influencing student bicycle usage on a large Southeastern university from an ecological perspective. *Journal of Outdoor Recreation, Education, and Leadership*, 9, 1, 100-114.
11. Paschal AM, Mitchell Q, Wilroy J, Hawley SR, Mitchell JB. (2016). Parent health literacy and adherence-related outcomes in children with epilepsy. *Epilepsy & Behavior*, 56, 73-82.
12. Paschal AM, Wilroy J, Hawley SR. (2015). Unmet needs for dental care in children with special health care needs. *Preventive Medicine Reports*, 3, 62-67.
13. Hawley SR, Ablah E, Hesdorffer D, Pellock JM, Lindeman DP, Paschal AM, Thurman DJ, Liu Y, Warren MB, Schmitz T, Rogers A, St. Romain T, Hauser W. (2015). Prevalence of pediatric epilepsy in low-income rural Midwestern counties. *Epilepsy & Behavior*, 53, 190-196.
14. Thomas KH, Turner L, Kaufman E, Paschal AM, Knowlden AP, Birch DA, Leeper JD. (2015). Predictors of depression diagnoses and symptoms in veterans: Results from a national survey. *Military Behavioral Health*, 3, 255-265.

15. Paschal AM, Rush SE, Sadler T. (2014). Factors associated with medication adherence in patients with epilepsy and recommendations for improvement. *Epilepsy & Behavior*, 31, 346-350.
16. Ablah E, Hesdorffer DC, Liu Y, Paschal AM, Hawley S, Thurman D, Hauser WA. (2014). The prevalence of epilepsy in rural Kansas. *Epilepsy Research*, 108(4):792-801.
17. Nickelson J, Wang A, Mitchell Q, Hendricks K, Paschal A. (2013). Inventory of the physical environment domains and subdomains measured by neighborhood audit tools: A systematic literature review. *Journal of Environmental Psychology*, 36, 179-189.
18. Ahlers-Schmidt CR, Chessser AK, Pachal AM, Hart TA, Williams KS, Yaghmai B, Shah-Haque S. (2012). Parents opinions about use of text messaging for immunization reminders. *Journal of Medical Internet Research*, 14, 3, e83,1-9.
19. Chessser A, Paschal A, Hart T, Jones J, Wittler RR, Williams K, Ahlers-Schmidt C. (2012). Communication Practices for Pediatric Immunization Information: Physician Perceptions of Parent Health Literacy Skills. *Clinical Pediatrics*, 51, 5, 504-506.
20. Thurman DJ, Beghi E, Begley CE, Berg AT, Buchalter JR, Ding D, Hesdorffer DC, Hauser WA, Kazis L, Kobau R, Kroner B, Labiner D, Liow K, Logroscino G, Medina MT, Newton Cr, Parko K, Paschal A, Preux PM, Sander JW, Selassie A, Theodor W, Tomson T, Wiebe S, ILAE Commission on Epidemiology. (2011). Standards for Epidemiologic studies and surveillance of epilepsy. *Epilepsia*, 52 (Suppl 7), 2-26.
21. Rowden P, Paschal AM, Hawley SR, Hsiao T. (2011). Oral health attitudes & practices among a German Mexican Mennonite farmworker community. *Journal of Immigrant & Minority Health*, 13,6, 1159-1167.
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51. Paschal AM, Lewis RK, Martin AK, Shipp DD, Simpson, DS. (2004). Baseline assessment of the health status & health behaviors of African Americans participating in the Activities-for-Life Program: A community-based health intervention program. *Journal of Community Health*, 29, 4, 305-318.

Book and Book Chapters

1. Sanders, A.M. (In Press). Addressing Diversity, Equity, & Inclusion through the Whole School, Whole Community, Whole Child Model. In D.A. Birch, D.M. Videto and H.P Catalano (Eds). *Promoting Health & Academic Success: The Whole School, Whole Community, Whole Child Approach*. Champaign, IL: Human Kinetics.
2. Paschal AM. (2015). Meeting the needs of diverse students, families, and community members. In D. A. Birch and D. Videto (Eds). *Promoting Health & Academic Success: The Whole School, Whole community, Whole Child Approach* (pp. 93-113). Champaign, IL: Human Kinetics.
3. Paschal AM, Hawley SR, Molgaard CA, Liow K, Sly J, & Sadler T. (2006). Epilepsy and community-based participatory research: some issues of social capital and awareness. In *New Research on Epilepsy and Behavior*. Hollaway KJ, (Ed), 185-209. Hauppauge, NY: Nova Science Publishers, Inc.
4. Paschal AM. (2006). *Voices of African American Teen Fathers: I'm Doing What I have to Do*. Binghamton, NY: The Haworth Press, Inc.

Invited Reviews

1. Paschal AM. (2006). MyPyramid. (Review: New Resources for Nutrition Educators). *Journal of Nutrition Education & Behavior*, 38, 2, 127-128.
2. Paschal, AM. (2006). 5 at 10. (Review: New Resources for Nutrition Educators). *Journal of Nutrition Education & Behavior*, 38, 4, 271.

Journal-Published Peer Reviewed Abstracts

1. Von Wald T, Frazier L, Paschal A, Hopper L, Grainger D. (2010). Kansas physician attitudes and practice patterns relating to oncology patients and fertility preservation. Published in *Fertility and Sterility*, 2010, 94(4). DOI:10.1016/j.fertnstert.2010.07.437.
2. Frazier LM, Grainger DA, Tjaden B, Miller VA, Paschal A, Brantley L. (2007). Numeracy among IVF patients being counseled about risks such as multiple births. Published in *Fertility and Sterility*, 88. DOI: 10.1016/j.fertnstert.2007.07.311
3. Fraizer LM, Miller VA, Hopper L, Horbelt DV, Delmore JE, Paschal A, Reed AJ, Miller BE, Averett EP. (2007). "Improving employment among gynecologic cancer survivors." Published in the *Journal of Psycho-Oncology* 16, 3:S39.

Other Scholarly Publications

1. Paschal AM, Oler-Manske JE, Dutton J, & Kroupa K. (2007). *Immunization Technology Training: Accessing & Communicating Your County's Public Health Data*. Training manual developed for and distributed to all local health departments in Kansas.
2. Paschal AM, Molgaard CA, Oler-Manske J, Golbeck AL, Putnam S. (2006). *Immunization Registries and Privacy/Data Sharing*. White paper submitted to the Kansas Association of Local Health Departments (KALHD).
3. Golbeck AL, Ahlers-Schmidt C, Zackula R, Paschal AM, Kramer K.(2005). *Health Numeracy Curriculum for Adult Basic Education Program*. Submitted to the Wichita Area Technical College [Note: Adult basic education students are adults without a high school diploma or equivalent]
4. Kimminau K, Hunt CD, Menager H, Satzler C, Starrett B, Paschal A. (2005). Minority Health Community Training Materials. In: *Racial and Ethnic Minority Health Disparities in Kansas: Data and Chartbook*, Appendix I, Section 8, 1-13.

RESEARCH

Funded Research

Alabama State Partnership Initiative (ASPI) to Address Health Disparities

Department of Health and Human Services, Office of Minority Health

Principal Investigator: Alabama Department of Public Health (Chatham, L), \$2,500,000

Sub-Contractors: Knol, L. and Paschal A, The University of Alabama, 2018-2020, \$120,000

The purpose of this project was to reduce obesity in racial/ethnic minoritized populations and rural communities in Alabama.

Role: Program Evaluator

Partnering to Assist Communities to Thrive - Marion (PACT for Marion)

Living in Victory Every Day" Program (The LIVE Program)

Division of Community Affairs, Center for Community-Based Partnerships

Principal Investigators: Paschal AM and Mitchell JB, The University of Alabama, 2015-2016, \$5,000

Using a community-based participatory approach, a nutrition education and physical activity program was designed, implemented, and evaluated. The purpose was to reduce the risk of cardiovascular disease among aging African American adults residing in a rural, medically underserved community.

Role: Co-Principal Investigator

Investigating Food Insecurity among Older African American Adults in Rural Alabama

Research Grants Committee (RGC), the University of Alabama

Principal Investigator: Paschal AM, The University of Alabama, 2014-2016, \$5,610

The purpose of this study was to investigate food insecurity in a sample of African American older adults and to identify strategies for improvement.

Role: Principal Investigator

Exploring Oral Health and Insurance Issues among Uninsured Children

NIH-National Institute of Child Health and Human Development (NICHD)

Principal Investigators: Johnston J (University of Kansas School of Medicine-Wichita) and Paschal AM (The University of Alabama), 1R21HD064594-01A1, 2011-2014, \$275,000

The aim of this community-based participatory research study was to increase understanding of how uninsured children and their families access and use dental care services and public health insurance, and to identify strategies for improvement.

Role: Co-Principal Investigator

Parental Health Literacy and Epilepsy Care Management in Children

Epilepsy Foundation (Landover, MD)

Principal Investigator: Paschal AM, The University of Alabama, 2012-2014, \$50,000

The objective of this study was to investigate the relationship between parent health literacy and medication adherence in children with epilepsy and to provide recommendations for improvement.

Role: Principal Investigator

Text Reminders for Immunization Compliance in Kids (TRICKs)

Kansas Bioscience Authority/Wichita Graduate Medical Education, \$49,000

Principal Investigator: Ahlers-Schmidt CR, University of Kansas School of Medicine-Wichita, 2010-2011

The purpose was to pilot test the Text Reminders for Immunization Compliance in Kids (TRICKs) mobile phone intervention for low-income parents of newborns.

Role: Co-Investigator

Fears and Barriers to Exercise during Pregnancy

Kansas Bioscience Authority/Wichita Graduate Medical Education

Principal Investigator: Frazier LM, University of Kansas School of Medicine-Wichita, 2010-2011, \$49,994

The objective of this study was to explore fears and barriers to exercising among pregnant women, identify whether differences existed by race/ethnicity and income, and to generate strategies to address differences.

Role: Co-Investigator

Developing a Mobile Phone Text Reminder System for Vaccinations

Kansas Bioscience Authority/Wichita Graduate Medical Education

Principal Investigator: Wittler R, University of KS School of Medicine-Wichita, 2009-2010, \$10,787

The purpose of this project was to develop a mobile phone text information script for immunizations for parents which incorporated principles of health literacy and human factors psychology.

Role: Co-Investigator

Survey of Parents' Perceptions and Attitudes of Mobile Phone Text-Reminders for Children Immunizations

University of Kansas School of Medicine-Wichita, Dean's Grant

Principal Investigator: Wittler R, University of Kansas School of Medicine-Wichita, 2009, \$3,000

The aim of this study was to assess interest among low-income parents in receiving text message reminders for childhood immunizations from their medical clinic/office.

Role: Co-Investigator

KU MPH Expansion

Kansas Health Foundation

Principal Investigator: Choi W, University of Kansas Medical Center-Kansas City, 2008-2011, \$1,810,309

The purpose of this project was to expand the University of Kansas Master of Public Health (MPH) program by conducting a public health assessment and then developing and implementing concentrations based on those findings.

Role: Co-Investigator

Prevalence of Developmental Disabilities among Children with Epilepsy in Rural Populations

Centers for Disease Control and Prevention (CDC), AUCD-NCBDD Cooperative Agreement

Principal Investigator: Lindeman DP, University of Kansas (Parsons Campus); Hawley SR (Project Director, University of Kansas School of Medicine-Wichita); #AUCD RTOI, 2008-2012, \$1,050,000

This study assessed the prevalence of developmental disabilities and other comorbidities among children with epilepsy who resided in rural communities.

Role: Co-Investigator

Technical Assistance for Sexually Transmitted Infections (STI) Surveillance in Rural Communities

Kansas Health Foundation

Principal Investigator: Paschal AM, University of KS School of Medicine-Wichita, 2008-2009, \$98,630

The objectives of this project were to explore how rural local health departments assessed, prevented, and monitored sexually transmitted infections and to provide recommendations for STI surveillance in rural communities.

Role: Principal Investigator

Healthy Smiles Program

Kansas Department of Health & Environment

Principal Investigator: E.C. Tyree Health & Dental Clinic, Boyd S, 2008-2009, \$250,000

The purpose of this study was to assess the oral health status and needs of medically uninsured/under-insured low-income patients and to evaluate the quality of services provided to them.

Role: Program Evaluator

Improving Communication with IVF Patients about Risks such as Multiple Births

NIH-National Institute of Child Health & Human Development (NICHD)

Principal Investigator: Frazier LM, University of Kansas School of Medicine-Wichita, 2007-2009, \$250,000

This study investigated education intervention effects on patients' knowledge and beliefs regarding benefits, barriers, susceptibility and severity of multiple gestation that impact decisions about IVF embryo transfers.

Role: Co-Investigator

K30 Transitional Investigator Fellowship

University of Kansas Medical Center-Kansas City through its NIH-National Center for Research Resources grant, #K30RR022275

Principal Investigator: Ellerbeck E, University of Kansas Medical Center-Kansas City, 2007-2009, \$2,000

Funding was granted to support faculty participation in the Clinical Research Curriculum (K-30) Training Program.

Role: K-30 Fellow

Prevalence of Epilepsy in Rural Kansas (PERK)

CDC/AAMC Cooperative Agreement, #MM-1002-07/07

Principal Investigator: Hauser WA, Columbia University, 2006-2010, \$712,000

Sub-Contract: Paschal AM (Project Director), University of Kansas School of Medicine-Wichita)

The study assessed the prevalence of epilepsy in rural communities, determined the extent to which SES played a factor in help-seeking behaviors, and examined how epilepsy affected quality of life.

Role: KUSM-W sub-contract PI and Project Director (2006-2009); Co-Investigator (2009-2010 due to institutional change)

Immunization Technology Project

Kansas Association of Local Health Departments

Principal Investigator: Paschal AM, University of KS School of Medicine-Wichita, 2005-2007, \$140,000

This study used principles of community-based participatory research methods (CBPR) to identify best practices for immunization programs and to develop and implement training for local health departments.

Role: Principal Investigator

Improving Employment among Gynecologic Cancer Survivors

NIH-National Cancer Institute (NCI)

Principal Investigator: Frazier LM, University of Kansas School of Medicine-Wichita, 2005-2007, \$100,000

This study explored employment patterns and the impact of workplace problems on survivors of gynecologic malignancies and their families.

Role: Co-Investigator

Risk Factors for Lower Live Birth Rates among Minorities Treated with ART

University of Kansas Research Institute

Principal Investigator: Frazier LM, University of Kansas School of Medicine-Wichita, 2005-2007, \$35,000

This study investigated biopsychosocial factors related to lower live birth rates among African Americans who used Assisted Reproductive Technologies (ART).

Role: Co-Investigator

Junior Faculty Development Award

Principal Investigator: University of Kansas Medical Center-Kansas City through its Health Resources and Services (HRSA) grant

Sub-Grantee: Paschal AM, University of KS School of Medicine-Wichita, 2005-2006, \$41,795

The purpose of this project was to identify and implement strategies to help low-income African American women reach and/or maintain healthy weight.

Role: Research Awardee

Prescription for Prevention

United Methodist Health Ministry Fund

Principal Investigator: Martin AK, Center for Health & Wellness, Inc., 2004-2005, \$45,000

This study assessed whether recommendations provided by physicians increased physical activity and improvements in diet/nutrition among low-income African Americans.

Role: Program Evaluator

Health Literacy and Health Numeracy

University of Kansas School of Medicine-Wichita, Office of Research

Principal Investigator: Paschal AM, University of KS School of Medicine-Wichita, 2004-2005, \$26,400

The purpose of this contract was to conduct studies that addressed health literacy and health numeracy in medically disadvantaged populations.

Role: Principal Investigator

Minority Health Community Data Training Project

Robert Wood Johnson Foundation Initiative

Principal Investigator: Kimminau K, Kansas Health Institute, 2003-2004, \$150,000

The aim of this project was to address racial/ethnic health disparities in Kansas by increasing the capacity of public health organizations to better understand, access, and use minority health data.

Role: Co-Investigator

Youth Empowerment Project (YEP)

SAMHSA -Center for Substance Abuse Prevention

Principal Investigator: Lewis RK, Wichita State University, 2002-2004, \$336,221

The purpose of this project was to reduce and prevent substance use and HIV infection among African American adolescents.

Role: Doctoral Fellow & Associate Director

Access, Prevention, & Education: Key to a Healthy Community

Sunflower Foundation

Principal Investigator: Martin AK, Center for Health & Wellness, Inc., 2002-2003, \$149,000

The purpose of this project was to determine if culturally appropriate health education and physical fitness activities would lead to decreased overweight/obesity and other improved health outcomes among participating African American adults.

Role: Co-Program Evaluator

Healthy Start for Children, in Cooperation with the Stork's Nest Program

Knight Foundation

Principle Investigator: Martin AK, Center for Health & Wellness, Wichita, KS, 2002-2003, \$25,000

The purpose of this study was to determine if parenting education provided to young, low-income mothers would improve parenting knowledge, attitudes, and skills.

Role: Program Evaluator

PRESENTATIONS

National / International Presentations

1. Logan G, Ross L, Birch DA, Paschal AM, Bennett MD, Paxton R. (November 2019). Father engagement and family planning among U.S. men aged 18-44 years. Poster presentation at the *American Public Health Association* conference, Philadelphia, PA.
2. Logan G, Ross L, Paxton R, Bennett MD, Paschal AM, Birch DA. (November 2019). Sociodemographic differences in father engagement on child health: Results from a nationally representative sample of U.S. men. Poster presentation at the *American Public Health Association* conference, Philadelphia, PA.
3. Turner L, Allen-Watts K, Ross L, Leeper J, Paschal A, Hibberd E. (November 2019). Determinants for the use of safe, neutral, and potentially unsafe complementary and alternative medicine (CAM): Results from a nationally representative sample of adults. Poster presentation at the *American Public Health Association* conference, Philadelphia, PA.
4. Piazza A, Knowlden AP, Hibberd E, Leeper J, Paschal AM, Usdan S. (March 2019). Mobile device use while crossing the street: Utilizing the theory of planned behavior. Poster presentation at the meeting of the *American Academy of Health Behavior*, Greenville, SC.
5. Burton WM, Paschal AM. (November 2018). Intersectionality as a social determinant of mental health: a transformative mixed-methods study. Oral presentation at the *American Public Health Association* conference, San Diego, CA.
6. Rich RE, Paschal AM. (November 2018). College students' perceptions of social determinants of health and health equity. Poster presentation at the *American Public Health Association* conference, San Diego, CA.
7. Piazza A, Knowlden A, Hibberd E, Leeper J, Paschal A. (April 2018). Distracted mobile device use among street-crossing college student pedestrians: An observational approach. Poster presentation at the *Society for Public Health Education* conference, Columbus, OH.
8. Burton WM, Paschal AM. (November 2017). Impact of Institutional Gendered Racism on the Mental Health of Black College Women: How It Gets Deep Inside. Oral presentation at the *American Public Health Association* conference, Atlanta, GA.
9. Burton WM, Paschal AM. (November 2017). On Our Own: A Mixed Methods Study of Coping with Gendered Racism, a Root Cause of Mental Health Problems in Black College Women. Oral presentation at the *American Public Health Association* conference, Atlanta, GA.
10. Aduloju-Ajijola N, Paschal A, Usdan S, Payne-Foster P, Leeper J, Gordon B., Berkley-Patton, J (November 2017) Intentions, Stress, and Condom Use among African American College Students Attending Predominantly White Institutions. Poster presented at the *American Public Health Association* conference, Atlanta, GA.
11. Logan G, Ballard D, Allen K, Paschal A. (November 2017). Reducing workplace stress among minority faculty members at PWIs: Utilizing mentoring to improve mental health and climate change within organizations. Poster presented at the *American Public Health Association* conference, Atlanta, GA.
12. Paschal AM. (November 2016). Parent health literacy and adherence-related outcomes in children. Invited oral presentation at the *American Public Health Association* conference, Denver, CO.

13. Lewis M, Khodneva Y, Durant R, Judd S, Martin M, Paschal AM, Wilkinson L, Safford M. (November 2016). Mediating effects of social isolation on the combination of income and education CHD outcomes in the REGARDS study. Oral presentation at the *American Public Health Association* conference, Denver, CO. Colorado.
14. Catalano HP, Knowlden AP, Birch DA, Paschal A, Leeper J, & Usdan S. (March 2016). Construction of a theory of planned behavior-based measurement tool to predict HPV vaccination intentions of college males. Poster presentation at the *Society for Public Health Education* conference, Charlotte, NC.
15. Paschal AM. (November 2015). Identifying African American Church Participation in the Policy-making Process. Oral presentation at the *American Public Health Association* conference, Chicago, IL.
16. Paschal AM, Burton W, White A, Nickelson J. (April 2015). Fruit and vegetable intake and food insecurity among African American older adults. Oral presentation at the *Society for Public Health Education*, Portland OR.
17. Paschal AM, Johnston J, Ablah E, Dong F, Perara D, Konda K, (April 2015). Identification of factors influencing oral health practices in families of uninsured children and recommendations for change. Poster presented at the *Society of Behavioral Medicine*, San Antonio, TX.
18. Johnston J, Paschal A, Dong F, Konda K, Ablah E. (April 2015). Let's Go! 5-2-1-0 Childhood wellness guidelines and oral health outcomes in uninsured children. Poster presented at the *Society of Behavioral Medicine*, San Antonio, TX.
19. Johnston J, Ablah E, Dong F, Konda K, Paschal A. (April 2015). Dentists' perspectives on providing oral health care to the economically disadvantaged. Poster presented at the *Society of Behavioral Medicine*, San Antonio, TX.
20. Paschal AM, Nickelson J, White A, Burton W, Agomo C. (March 2015). Digital media and culturally relevant programs to address food insecurity in African American older adults. Poster presented at the *American Academy of Health Behavior*, San Antonio, TX.
21. Shields M, Paschal AM, Tucker, M. (March 2015). Investigating campus cycling environment from an ecological perspective. Poster presented at the *Smart and Sustainable Campuses Conference*, Baltimore, MD.
22. Paschal AM, Mitchell Q, Hawley SR, Wilson J, Toenes D. (November 2014). Parent health literacy and adherence to treatment in children with epilepsy. Oral presentation at the *American Public Health Association*, New Orleans, LA.
23. Paschal AM, Wilroy J, Hawley SR, James M. (November 2014). Geographic disparities in unmet dental care needs among US children with special health care needs. Poster presented at the *American Public Health Association*, New Orleans, LA.
24. Paschal AM, Nickelson J, Burton W, White A, Agomo C. (November 2014). Food insecurity among older African American adults. Poster presented at the *American Public Health Association*, New Orleans, LA.
25. Paschal AM, Johnston J, Priest H. (April 2014). Examining whether unmet oral health needs in uninsured children were adequately addressed in a community-driven oral health intervention. Poster presented at the annual *Society of Behavioral Medicine* conference, Philadelphia, PA.
26. Paschal AM. (April 2014). Factors associated with medication adherence in patients with epilepsy and recommendations for improvement. Poster presented at the annual *Society of Behavioral Medicine* conference, Philadelphia, PA.

27. Paschal A, Mitchell Q. (March 2014). Predictors of Child Oral Health Status and Behavior: Examining Parental Influence. Poster presented at the annual convention of the *Society for Public Health Education*, Baltimore, MD.
28. Paschal AM. (November 2013). Medication adherence and seizures: An assessment among patients receiving tertiary treatment and their opinions about what's helpful. Poster presented at the annual *American Public Health Association* conference, Boston, MA.
29. Paschal AM, Johnston J, Mitchell Q, Rush S. (April 2013). Making changes in community oral health systems to address disparities: Meeting the needs of medically underserved children through health systems research. Poster presentation at the annual *Society for Public Health Education* conference, Orlando, FL.
30. Johnston J, Paschal AM, Cox P, Ablah E, Konda K. (March 2013). Comparison of Uninsured Community Oral Health Intervention Participants in 2011 and 2012. Poster presentation at the annual *Society of Behavioral Medicine* conference, San Francisco, CA.
31. Paschal AM, Johnston J, Ablah E, Konda K. (March 2013). Sugared Drinks and Oral Health among Uninsured Children. Poster presentation at the annual *Society of Behavioral Medicine* conference, San Francisco, CA.
32. Paschal AM, Johnston J. (March 2013). Exploring Biopsychosocial-Environmental Strategies to Address Unmet Oral Health Needs among Low-Income Uninsured Children. Poster presentation at the 5th annual *Health Disparities Conference, Columbia University*, New York, NY.
33. Paschal AM, Johnston J. (March 2013). Sugared Drinks and Oral Health Issues among Uninsured Children & Culturally Appropriate Health Education Strategies to Address Them. Poster presentation at the 5th annual *Health Disparities Conference, Columbia University*, New York, NY.
34. Paschal AM. (November 2013). Medication adherence and seizures: An assessment among patients receiving tertiary treatment and their opinions about what's helpful. Poster presented at the annual *American Public Health Association* conference, Boston, MA.
35. Johnston J, Fisher MA, Paschal A, Cox P. (May 2012). Beverage intake and oral health status and needs of uninsured children. Oral presentation at the *International Society of Behavioral Nutrition and Physical Activity* annual meeting, Austin, TX.
36. Paschal AM, Johnston J, Fisher MA, Cox P. (April 2012). Identifying oral health issues and opportunities for oral health education among uninsured children. Oral presentation at the *Society for Public Health Education* midyear scientific conference, Nashville, TN.
37. Paschal AM. (October 2011). Using community-based participatory research to address oral health care needs and issues among uninsured children. Oral presentation at the *Society for Public Health Education (SOPHE)* annual meeting, Arlington, VA.
38. Paschal AM, Ahlers-Schmidt CR, Chessier A, Hart T. (October 2011). Structured interviews with parents regarding immunization communication and text message reminders. Poster presentation at the *Society for Public Health Education (SOPHE)* annual meeting, Arlington, VA.
39. Ahlers-Schmidt CR, Chessier A, Paschal AM, Hart T, Williams K, Shah S. (September 2011). Structured Interviews Regarding Immunization Communication and Text Message Reminders. Poster presentation at the *Medicine 2.0 Conference*, annual meeting, Stanford, Palo Alto, CA.
40. Paschal AM. (October 2011). Using community-based participatory research to address oral health care needs and issues among uninsured children. Poster presented at the *Society for Public Health Education*, Arlington, VA.
41. Ahlers-Schmidt CR, Hart T, Chessier A, Nguyen T, Paschal AM, Wittler R. (November 2010). Do parents want text message immunization reminders? Poster presentation at the *American Public Health Association (APHA)* annual meeting, Denver, CO.

42. Von Wald T, Frazier L, Paschal A, Hopper L, Grainger D. (October 2010). Kansas physician attitudes and practice patterns relating to oncology patients and fertility preservation. Poster presentation at the *American Society for Reproductive Medicine (ASRM)* annual meeting, Denver, CO.
43. Corimanya D, Griffin P, Ablah E, Fromer DB, Paschal A. (June 2010). Tuberculosis among U.S.-Born and foreign-born persons in Kansas, 2004-2008. Poster presentation at the *National TB Conference*, Atlanta, GA.
44. Reed AJ, Wetta-Hall R, Frazier LM, Paschal AM. (April 2010). Counseling about Tobacco Exposure in Pregnancy and Postpartum. Poster presentation at the *Society of Teachers of Family Medicine (STFM)* annual spring conference, Vancouver, British Columbia, Canada.
45. Partridge DL, Wetta-Hall R, Hart T, Paschal AM, Brown JA, Osaki C. (November 2009). Comparison between Kansas and the Pacific Northwest: Perceived competency of environmental health service providers in delivering the ten essential public health services. Poster presented at the *American Public Health Association*, Philadelphia, PA.
46. Sturgeon M, Wetta-Hall R, Paschal A, Good M. (November 2009). A survey of Kansas oncologists' attitudes toward massage therapy for breast cancer patients. Poster presentation at the *American Public Health Association* conference, Philadelphia, PA.
47. Chesser AK, Paschal A, Ahlers-Schmidt CR, Hart T, Wittler R, Bradham DD. (November 2009). Reminders for Immunization Compliance in Kids (TRICKS). Poster presented at the *Research in Progress of the National Communication Association* annual conference, Chicago, IL.
48. Paschal AM, Liow K, Hawley SR, Ablah E, Hesdorffer D, Molgaard CM, Warren MB, Thurman D, Hauser WA. (April 2009). Specialist care patterns among patients with epilepsy in rural communities. Poster presentation at the *American Academy of Neurology* annual convention, Seattle, WA.
49. Hawley SR, Roser J, Houser LJ, Marsh L, Paschal AM, St.Romain T. (October 2008). Assessing barriers and motivators for Hispanics to seek mental health services and treatment: a mixed method approach. Poster presentation at the *American Public Health Association (APHA)* annual convention, San Diego, CA.
50. Hawley SR, Paschal AM, Armstrong MA, St. Romain T. (February 2008). Using public health core competencies to assess cultural competency education. Poster presentation at the *Preventive Medicine Annual Meeting*, Austin, TX.
51. Hawley SR, Liow K, Paschal AM, Ablah E, St. Romain T, Molgaard CA. (December 2007). Initial perspectives from American neurologists: epilepsy patients' barriers and motivators for seeking treatment. Poster presentation at the *American Epilepsy Society* annual conference, Philadelphia, PA.
52. Paschal AM (November 2007). University and community-based partnerships to reduce health disparities: the case of the Center for Health & Wellness, Inc. Poster presented at the *Society for Public Health Education* conference, Alexandria, VA.
53. Frazier LM, Grainger DA, Tjaden B, Miller VA, Paschal A, Brantley L. (October 2007). Numeracy among IVF patients being counseled about risks such as multiple births. Poster presentation at the *American Society of Reproductive Medicine*, Washington, DC.
54. Frazier LM, Miller VA, Hopper L, Horbelt DV, Delmore JE, Miller BE, Reed A, Paschal A (March 2007). Improving employment among gynecologic cancer survivors. Poster presented at the *American Psychosocial Oncology Society (APOS)* conference, Austin, TX.

55. Paschal AM, Liow K, Hawley SR, Molgaard CA, Sadler T. (December 2006). Overcoming stigma through education and awareness: using a community participatory approach with epilepsy patients. Poster presentation at the *American Epilepsy Society* annual conference, San Diego, CA.
56. Paschal AM. (August 2005). Applying social and behavioral change theories in educational interventions. Oral presentation at the *Financial Literacy Symposium: Closing the Gap between Knowledge and Behavior: Turning Education into Action* conference, National Endowment for Financial Education (NEFE), Denver, CO.
57. Redmond ML, Lewis RK, Paschal AM, Carmack C. (August 2005). Do gender differences exist in self-efficacy for African American adolescents: results from a 12-month HIV prevention program. Poster presentation at the *Association of Black Psychologists* annual international convention, Miami Beach, FL.
58. Lewis RK, Paschal AM, Redmond M, Martin A, and Knox, E. (June 2005). The Youth Empowerment Project results: a program for African American youths. Oral presentation at the *Society for Community Research and Action* (SCRA) conference, Urbana-Champaign, IL.
59. Redmond M, Lewis RK, Paschal AM. (June 2005). Self-efficacy and HIV prevention in African American adolescents in Kansas." Poster presentation at the *Society for Community Research and Action* (SCRA), Champaign, IL.
60. Ahlers-Schmidt CR, Golbeck AL, Paschal AM, Zackula R, Taylor NT. (June 2005). Breast cancer counts: numeracy in health information on the Web. Poster presentation at the *Critical Issues in e-Health Research* first annual conference, Bethesda, MD.
61. Orr SA, Hawley SR, Molgaard CA, Hall GC, Chesser A, Jones TL, Paschal A, Gruhn B. (November 2004). Leadership in disquieting times: training across professional boundaries. Poster presentation at the *American Public Health Association* convention, Washington, DC.
62. Paschal AM, Lewis RK, Martin A, Shipp DD, Simpson, DS. (November 2004). Evaluation of a community-based health intervention for African Americans. Presented at the: American Public Health Association (APHA), Washington, DC.
63. Hawley SR, Orr S, Molgaard CA, Hall GC, Chesser A, Jones TL, Paschal AM, Gruhn R. (July 2004). Disaster management: leadership training and the public health infrastructure. Poster presentation at the *Third International Conference on Promoting Global Health: Sharing Visions and Strategies*, Topeka, KS.
64. Paschal AM, Kimminau K, Starrett B. (June 2004). Health data in action: results of a minority health data training program. Poster presentation at the *Institute of Community Research (ICR) Crossroads* conference, Hartford, CT.
65. Ibrahim ML, Fredrickson DD, Paschal A. (May 2004). Development of domestic violence educational material in Spanish language using focus groups. Poster presentation at the *National Conference on Health Education and Health Promotion*, Orlando, FL.
66. Lewis RK, Paschal AM, Redmond M, Simpson DS, Ablah E, and Edwards M. (June 2003). A report from the Midwest: did the community-based projects reduce the risks associated with substance abuse and HIV infection among African American adolescents? Oral presentation at the *Society for Community Research and Action* conference, Las Vegas, NM.
67. Paschal AM. (April 2002). The Youth Empowerment Project (YEP): Preliminary data. Oral presentation at the *Community Initiated Prevention Interventions*, Center for Substance Abuse Prevention (CSAP), Substance Abuse and Mental Health Services Administration (SAMHSA) conference, Baltimore, MD.

Selected Regional and University Presentations

1. Mitchell JB, Mitchell QB, Paschal AM. (October 2017). Barriers and facilitators of a community lifestyle intervention to reduce CVD in rural African Americans. Poster presented at the *Community Engagement Institute Annual Conference*. University of Alabama-Birmingham, Birmingham, AL (Best Research Poster Award).
2. Mitchell JB, Paschal AM. (October 2016). Effects of a community-based lifestyle intervention on heart disease risk factors in rural aging African American adults. Poster presented at the *3rd Annual Community Engagement Institute Conference*. University of Alabama-Birmingham, Birmingham, AL
3. Ballard D, Turner L, Paschal AM (April 2016). Effectiveness of religion and spirituality as a coping method for African American college students. Poster presentation at the *17th Annual Rural Health Conference*. The University of Alabama, Tuscaloosa, AL.
4. Mitchell JB, Paschal AM, Mince T, Logan G, Gardner A. (March 2016). Dietary behaviors and physical activity in aging African American adults at risk for heart disease in rural Alabama. Poster presentation at the *Annual Health Disparities Research Symposium*. University of Alabama-Birmingham, Birmingham, AL.
5. Mitchell JB, Paschal AM, Gardner AJ, Logan G, Mince T, Verbeten S, Young KM. (March 2016). LIVE Program: An intervention to reduce cardiovascular risk factors in rural aging African American adults. Poster presentation at the *Center for Community-Based Partnerships (CCBP) Annual Awards Program*. The University of Alabama, Tuscaloosa, AL.
6. Mitchell JB, Paschal AM. (March 2016). Fruit and vegetable intake and food insecurity among African American older adults. Poster presented at the Annual Health Disparities Research Symposium. University of Alabama-Birmingham, Birmingham, AL.
7. Shields M, Paschal AM, Tucker M, Leeper J. (April 2015). Investigating campus cycling environment from an ecological perspective. Poster presentation at the *16th Annual Rural Health Conference*. The University of Alabama, Tuscaloosa, AL.
8. Paschal AM, Nickelson J, Burton W, White A, Agomo C. (April 2015). Designing culturally relevant programs to address food insecurity in older African American adults. Poster presentation at the *Center for Community-Based Partnerships (CCBP) Annual Awards Program*. The University of Alabama, Tuscaloosa, AL
9. Shields M, Paschal AM, Tucker M, Leeper J. (January 2015). Investigating campus cycling environment from an ecological perspective. Poster presentation at the *WiSE Navigating the Future Symposium*. The University of Alabama, Tuscaloosa, AL
10. James M, Paschal AM. (2014). Partnering with community agencies to address health literacy issues among parents of children with epilepsy. Poster presentation at the *Center for Community-Based Partnerships (CCBP) Annual Awards Program*. The University of Alabama, Tuscaloosa, AL.
11. Ahlers-Schmidt CA, Chesser A, Paschal AM, Hart T, Williams KS, Yaghmai B, Shah-Haque S. (April 2011). Structured Interviews Regarding Immunization Communication and Text Message Reminders. Poster presentation at the University of Kansas School of Medicine-Wichita Annual Research Forum, Wichita, KS.
12. Ohanaka O, Paschal AM, Hawley SR, Orr S, Hsio T. (September 2009). Evaluating the Medication Assistance Program (MAP) at a safety-net clinic from the perspective of a community public health pharmacist. Poster presentation at the Kansas Public Health Association (KPHA) annual convention, Wichita, KS.

13. Maryman J, Paschal AM, Oler-Manske J. (Sep 2009). Acceptance of FluMist among adults in an urban mid-western community. Poster presentation at the Kansas Public Health Association (KPHA) annual convention, Wichita, KS.
14. Rowden P, Paschal AM, Hsiao T. (September 2009). Assessing immunization coverage among German Mexican Mennonite children and the role of a rural-based local health department. Poster presentation at the Kansas Public Health Association (KPHA) annual convention, Wichita, KS. (Poster placed 2nd)
15. Paschal, AM. (November 2008). Summary of PERK: Prevalence of Epilepsy in Rural Kansas. Oral presentation at the Kansas Epilepsy Symposium: Improving Epilepsy Care and Access for Kansas, Wichita, KS.
16. Paschal AM, Hawley SR, Ablah E, Liow K, Hesdorffer DC, Molgaard CA, Warren MB, Hauser WA. (September 2008). Determining epilepsy prevalence in rural populations: a public health concern. Poster presentation at the Kansas Public Health Association (KPHA) annual convention, Topeka, KS.
17. Oler-Manske J, Paschal AM, Kroupa K. (September 2008). Using a community-based participatory research approach to improve performance capacity of local health departments: The Kansas Immunization Technology Project. Oral presentation at the Kansas Public Health Conference annual convention, Topeka, KS.
18. Jia L, Hawley SR, Paschal AM, Fredrickson DD, Cherven PL. (September 2008). To cut or not to cut? Immigrants vs. non-immigrants: attitudes toward and practices of routine male circumcision in the United States. Poster presentation at the Kansas Public Health Association (KPHA) annual convention, Topeka, KS.
19. Paschal AM, Hawley SR, Ablah E, Liow K, Hesdorffer DC, Molgaard CA, Warren MB, Hauser WA. (May 2008). Determining epilepsy prevalence in rural populations: a public health concern. Poster presentation at the University of Kansas School of Medicine-Wichita Annual Research Forum, Wichita, KS.
20. Hawley SR, Paschal AM, Armstrong MA, St. Romain T. (March 2008). Using public health core competencies to assess cultural competency education. Poster presentation at the Kansas Department of Health & Environment (KDHE) Center for Health Disparities Annual Health Disparities Conference, Topeka, KS.
21. Hawley SR, Roser J, Houser LJ, Marsh L, Paschal AM, St.Romain T. (March 2008). Assessing barriers and motivators for Hispanics to seek mental health services and treatment: a mixed method approach. Poster presentation at the Kansas Department of Health & Environment (KDHE), Center for Health Disparities, Annual Health Disparities Conference, Topeka, KS.
22. Paschal AM. (November 2007). Bringing epilepsy stigma out of the shadows: perspectives from patients with epilepsy. Oral presentation at the Epilepsy Resource Connection's Second Annual Regional Epilepsy Patient Conference. Hughes Metropolitan Complex, Wichita, KS.
23. Paschal AM, Maryman J, Farmer A. (September 2007). How can immunization coverage in urban counties in Kansas be improved? Poster presentation at the Kansas Public Health Association annual conference, Wichita, KS.
24. Huynh A, Armbruster S, Paschal A, Sly J, Brown J, Ablah E. (September 2006). Hypertension and obesity trends in African-Americans and Caucasian clients of the Center for Health & Wellness' community hypertension program in 2002 and 2004. Poster presentation at the Kansas Public Health Association annual meeting, Topeka, KS.
25. Sooter D, Ablah E, Paschal AM, (September 2006). Fromer D. Barriers to breast health care: a qualitative study of the Mid-Kansas affiliate of the Susan G. Komen Breast Cancer Foundation. Poster presentation at the Kansas Public Health Association (KPHA) annual convention, Topeka, KS.

26. Paschal AM, Hawley SR, Sly J, Molgaard C, Liow K, Sadler T. (September 2006). Epilepsy: some issues of stigma and education awareness. Oral presentation at the Kansas Public Health Conference Annual Convention, Topeka, KS.
27. Paschal AM. (September 2006). Bringing epilepsy stigma out of the shadows. Oral presentation at the Conference --Brain Storms: Bringing Epilepsy Stigma Out of the Shadows. Epilepsy Resource Connection & Via Christi Comprehensive Epilepsy Center. Via Christi Regional Medical Center, Wichita, KS.
28. Paschal AM, Hawley SR, Sly J, Molgaard CA, Liow K, Sadler T. (September 2006). Epilepsy and community-based participatory research: some issues of social capital and awareness. Poster presentation at the Kansas Public Health Association Annual Convention (KPHA) annual convention, Topeka, KS.
29. Paschal AM. Epilepsy: a public health concern. (May 2006). Epilepsy is more than just having seizures: emphasis on the comprehensive care of the epilepsy patient. Symposium presented at the University of Kansas School of Medicine-Wichita, Wichita, KS.
30. Lewis RK, Paschal AM, Martin A, White B. (April 2006). University and community-based partnerships to reduce health disparities: The case of the Center for Health and Wellness. Symposium at the Healthy Cultures, Healthy Kansas: Health Disparities Conference. Sponsored by the Office of Minority Health, Kansas Department of Health & Environment, Topeka, KS.
31. Paschal AM, Golbeck AL, Schmidt CR. (September 2005). Improving health literacy and health numeracy among low literate populations: a pilot project in an adult education program. Poster presentation at the Kansas Public Health Association (KPHA) annual convention, Wichita, KS.
32. Hawley, SR, Orr SA, Molgaard CA, St. Romain T, Paschal AM, Ablah E. (September 2005). The Kansas Public Health Leadership Institute: promoting health through collaborative leadership. Poster presentation at the Kansas Public Health Association (KPHA) annual convention, Wichita, KS.
33. Hawley S, Orr S, Molgaard C, Ablah E, Oler-Manske J, Paschal A, Wetta-Hall R, St.Romain T. (April 2005). The WALD Center for Workforce and Leadership Development in Kansas. Poster presentation at the University of Kansas School of Medicine-Wichita's Thirteenth Annual Research Forum, Wichita, KS.
34. Paschal AM. (October 2004). Disparities in the treatment of epilepsy: Kansas perspectives. Oral presentation at the Emerging Trends and Epidemiology in Epilepsy Treatments conference, University of Kansas School of Medicine-Wichita, Wichita, KS.
35. Orr SA, Hawley SR, Molgaard CA, Oler-Manske J, Fromer D, Jones TL, Paschal A, Hall GC. (September 2004). The Kansas Public Health WALD Center. Poster presentation at the Kansas Public Health Association conference, Topeka, KS.

SERVICE

Professional Study Sections and Review Panels:

<u>Year</u>	<u>Role, Study Section/Panel or Organization</u>
2023	Writing Contributor: WISEWOMAN, Well-Integrated Screening and Evaluation of WOMen Across the Nation, CDC-RFA-DP-23-0003, Centers for Disease Control and Prevention.
2022	Writing Contributor: Identifying and Addressing Historical and Structural Drivers of Medical Mistrust among Hispanic/Latino Gay, Bisexual and Other Men Who Have Sex with Men (HLMSM) for HIV Prevention, PS-23-006, Centers for Disease Control and Prevention.
2022	Writing Contributor: Evaluation of HIV Prevention and Care Interventions that Address Select Social and Structural Drivers of Inequities among Communities Disproportionately Affected by HIV, Division for HIV Prevention, Centers for Disease Control and Prevention.
2018-2023	Ann Nolte Writing Award Committee Member: Society of Public Health Education, Foundation for the Advancement of Health Education.
2017	NIH Grant Reviewer: NIH-NIMHD Special Emphasis Panel/Scientific Review Group, NIH Pathway to Independence Award (K99/R00) Program, NIMHD.
2017	Abstract Reviewer: American Public Health Student Award Contest Program, Public Health Education & Health Promotion Section, American Public Health Association.
2016, 2017, 2018	Abstract Reviewer: American Public Health Association, Public Health Education and Health Promotion section.
2016-2021	Review Board Member: American Journal of Health Behavior.
2010	Grant Reviewer: KDHE Primary Care Grants; Kansas Department of Health & Environment (KDHE), Primary Care Office.
2009	NIH Challenge Grants Reviewer: Risk, Prevention & Health Behavior IRG, Behavioral Medicine: Interventions & Outcomes Study Section, American Recovery and Reinvestment Acts program, Center for Scientific Review, NIH.
2008	Abstract Reviewer, CDC's 20th National Conference on Chronic Disease Prevention and Control. Chronic Disease Prevention and Health Promotion. Cultivating Healthy Communities.
2007-2010	Project Committee Member: <i>Standards for Epidemiologic Studies and Surveillance of Epilepsy</i> , International League Against Epilepsy (ILAE) Commission on Epidemiology & Centers for Disease Control and Prevention.

2006	Conference Awards Review Committee Member: Kansas Public Health Association's (KPHA) annual conference.
2006	Critical Reader: McNeil, B., & Smith, L. (2006). <i>Success Factors in Informal Learning: Young Adults' Experience of Literacy, Language and Numeracy</i> . London, England: National Research and Development Centre (NDRC) for Adult Literacy and Numeracy.
2005	Critical Reader: Atkin, C., Rose, A., & Shier, R. (2005). <i>Provision of, and Learner Engagement with, Adult Literacy, Numeracy and ESOL Support in Rural England: A Comparative Case Study</i> . London, England: National Research and Development Centre (NDRC) for Adult Literacy and Numeracy.
2005, 2008, 2009	Research Poster Reviewer: Kansas Public Health Association's (KPHA) Annual Conference.
2005-2006	<p><i>Healthy Kansans 2010" Statewide Workgroup Member: Office of Health Promotion, Kansas Department of Health & Environment; Workgroup #1 Member: Reducing and Eliminating Health/Disease Disparities; Workgroup #2 Member: Cultural Competency Action Group.</i></p> <p><i>Contributor: Healthy Kansans 2010</i> (Sep 2006, Sebelius K, Bremby R, Rodenberg H). Kansas Department of Health and Environment. Office of Health Promotion. http://healthykansans2010.org/KPHAFiles/Final%20Report%2011-7-06.pdf</p>
2003-2008	<p>Study Section Grant Review Panel Member: Substance Abuse and Mental Health Services Administration (SAMHSA) for Center for Substance Abuse Treatment (CSAT) and Center for Substance Abuse Prevention (CSAP).</p> <p><u>SAMHSA / CSAT</u></p> <ul style="list-style-type: none"> ○ Expand Substance Abuse Treatment Capacity in Targeted Areas of Need (Short title: Targeted Capacity Expansion-TCE) (TI 08-005), June 2008. ○ Conference Grant Reviews. PA 06-001, April 2006. ○ Family Centered Substance Abuse Treatment Grants for Adolescents and their Families, TI-06-007 (short title: Assertive Adolescent and Family Treatment). Announcement No: TI-05-007 / TI06-07A20, March 2006. ○ Knowledge Dissemination Conference Grants. PA 05-001, March 2005. ○ Expand Substance Abuse Treatment Capacity in Targeted Areas of Need (Targeted Capacity Expansion Grants). RFA Number: TI 05-003, February 2005. ○ Grants to Expand Substance Abuse Treatment Capacity in Targeted Areas of Need (Short Title: Targeted Capacity Expansion Grants) TI-04-003, June & July 2004. ○ Effective Adolescent Treatment. Review Administrator: RFA Number: TI03-007, April 2004. ○ Knowledge Dissemination Conference Grants (Short Title: SAMHSA Conference Grants). Program Announcement No. PE6; PA03-002, February 2004. ○ Knowledge Dissemination Conference Grants (Short Title: SAMHSA Conference Grants). Program Announcement No. PA 03-002, November 2003. ○ Effective Adolescent Treatment. G14. RFA: TI03-007, June 2003.

SAMHSA / CSAP

- CSAP/CSAT: Conference Grants (Knowledge Dissemination Conference Grants). PA 06-001, February/March 2008.
- Conference Grant Reviews. PA 06-001, April 2006.
- Knowledge Dissemination Conference Grants. PA 05-001, December 2004.
- Minority SAP and HIV Prevention Services Program. RFA No. SP-03-005, June and July 2003.
- Conduct Targeted Capacity Expansion (TCE) of Methamphetamine and Inhalant Prevention Interventions and/or Infrastructure Development (Short Title: Prevention of Meth and Inhalant Abuse). RFA #SP-03-006, July 2003.

2003-
Present

Ad Hoc Reviewer:

- *Health Promotion Practice*
- *Journal of Health Care for the Poor & Underserved*
- *Journal of Health Disparities Research & Practice*
- *American Journal of Health Behavior*
- *American Journal of Preventive Medicine*
- *Preventing Chronic Disease*
- *Journal of Child Neurology*
- *Journal of Rehabilitation and Development*
- *Health Education Research*
- *Journal of Nutrition Education and Behavior*
- *Preventive Medicine*
- *Preventive Medicine Reports*
- *Epilepsy & Behavior*
- *Seizure*
- *Epilepsia*
- *BMC Complementary and Alternative Medicine*

Centers for Disease Control and Prevention (2021-Present)

2023	Workgroup Member: Simulation Model of Interventions Linking Evidence to Social Chronic Disease Prevention and Health Promotion, Disease Control and Prevention.
2022	Workgroup Member: Implementation Science Workgroup, Division for HIV Prevention, Centers for Disease Control and Prevention.
2022	Workgroup Member: Equity Research Agenda workgroup, Department of Health and Human Services

University of Alabama Service (2012-2021)

2016-2021	Promotion & Tenure Committee Member, College of Human Environmental Sciences
2016-2021	Graduate Council Member, Representative for the College of Human Environmental Sciences
2016-2021	Coordinator for the development of the MPH in Health Education & Promotion program, Department of Health Science, College of Human Environmental Sciences
2014-2021	Coordinator of the M.A. Health Studies, Main Campus Program Department of Health Science, College of Human Environmental Sciences
2015-2021	Graduate Studies Committee Member, College of Human Environmental Sciences
2017-2021	Center for Community-Based Partnerships UA Division of Community Affairs Seed Funding Committee Member (2017) Saving Lives Advisory Board Member (2018-2021)
2013-2015; 2017-2021	Advisory Board Member, Saving Lives Initiative UA Center for Community-Based Partnerships
2017	Abstract Review Committee Member, 18 th Annual Rural Health Conference Institute for Rural Health Research, College of Community Health Sciences
2015	Strategic Planning Committee, Chair of the Service Sub-Committee College of Human Environmental Sciences Strategic Planning Committee
2014-2016	Chair of the Academic Conference and Presentation Support Committee, and CCBP Executive Council Member UA Center for Community-Based Partnerships (CCBP), Division of Community Affairs

2014-2019	<p>Faculty Search Committees</p> <ul style="list-style-type: none"> -- Assistant/Associate Professor, Department of Health Science (2019) - <i>Search Committee Chair</i> -- Assistant/Associate Professor, Department of Consumer Sciences (2019) - <i>Search Committee Chair</i> -- Department Chair, Department of Health Science (<i>2018 Search Committee Chair; 2019 Search Committee Member</i>) -- Dean, Honors College (2018) – <i>Search Committee Member</i> -- Assistant/Associate Professor, Substance Use/Abuse/Addictions Research, Department of Health Science (2018) – <i>Search Committee Member</i> -- Assistant/Associate Professor, Epidemiology and/or Biostatistics, Department of Health Science (2018) – <i>Committee Member</i> -- Instructor, Department of Health Science (2018) – <i>Search Committee Chair</i> -- Adjunct Faculty Members (2018-2020) – Hired five additional adjunct faculty during Interim Department Chair position -- Department Chair & Associate/Full Professor, Department of Human Development and Family Studies Dept (2017) – <i>Search Committee Member</i> -- Assistant/Associate Professor (Addictions Specialty), Department of Human Development and Family Studies (2016) – <i>Search Committee Member</i> -- Assistant/Associate Professor, Health Promotion, Department of Health Science (2015) - <i>Search Committee Member</i> -- Instructor, Department of Health Science (2014) – <i>Search Committee Member</i>
2013-2016	Faculty Senate Mediation Committee Member, UA faculty representative
2012-2015	Research Committee Member, College of Human Environmental Sciences

Mississippi University for Women (MUW) Service (2010-2012):

2011-2012	Chair, Graduate Student Scholastic Appeals Committee
2011-2012	Sexual Harassment Policy & Grievance Hearing Panel Member
2011-2012	<p>MUW Diversity Steering Committee Member</p> <p>Chair--MUW Curriculum Diversity Subcommittee</p> <p>Purpose: To enhance the overall curriculum by infusion of content that enhances awareness and understanding of under-represented groups</p>
2011-2012	Program Coordinator, B.S. Public Health Education Program Department of Health & Kinesiology
2011-2012	Research Committee Member, MUW committee
2010-2012	Academic Standards Board Member
2010-2012	Faculty Senate Member

University of Kansas School of Medicine-Wichita Service (2003-2010):

- 2008-2009 Research Committee Member, Preventive Medicine and Public Health Department
University of Kansas School of Medicine-Wichita
- 2007 Steering Committee Member, Faculty Development Lecture Series on Cultural
Competence and Health Disparities,
Office of Cultural Enhancement and Diversity
University of Kansas Medical Center (KUMC) - Kansas City
- 2006-2010 Chair, MPH Bi-Campus Curriculum Committee
University of Kansas Master of Public Health (MPH) Program
- 2006-2010 MPH Bi-Campus Executive Council Member
University of Kansas Master of Public Health (MPH) Program
- 2006 Executive Faculty Council Member (during Department Chair vacancy)
Preventive Medicine and Public Health Department
University of Kansas School of Medicine-Wichita
- 2006 Research Advisory Council Member
Office of Research, University of Kansas School of Medicine-Wichita
- 2005-2009 Institutional Review Board (IRB) Committee Member
Human Subjects Committee-II (HSC-2) Member
University of Kansas School of Medicine-Wichita (KUSM-W)
- 2003-2010 KPHLI Advisory Council Member
Kansas Public Health Leadership Institute (KPHLI)
University of Kansas School of Medicine-Wichita
- 2003-2006 Chair, MPH Bi-Campus Admissions Committee
University of Kansas Master of Public Health (MPH) Program

Community Service

- 2013-2016 *Professional Advisory Board Member, Epilepsy Foundation of Alabama (EFA):*
Provide strategic counsel and guidance for leveraging resources to help the EFA provide
services and resources to individuals and families affected by epilepsy
- 2013 *Program Evaluator for the Diabetes Education Program, Whatley Health Services:*
Whatley Health Services is a nonprofit Federally Qualified Community Health Center
UA Masters students conducted an evaluation of the Diabetes Education program as part
of the service learning project.
- 2012-2017 *External Advisory Committee Member, Master of Public Health Program*
School of Public & Community Health Sciences
University of Montana

- 2012-2013 *University of Alabama (UA) Team Member, Coordinated School Health Project*
Faculty (Birch DA and Paschal A) and doctoral students (Mitchell Q and Priest H) worked with the Tuscaloosa City Magnet Schools to improve health promotion programs for students and staff in the schools. With support from the TCSS's Assistant Superintendent, Dr. Michael Daria, the UA Team worked with the principal and PE teachers in their efforts to conduct a comprehensive Coordinated School Health (CSH) assessment and planning project.
- 2012-2021 *Oral Health Coalition of Alabama Member*
Led by the Alabama Department of Public Health, the Coalition's mission was to ensure every child in Alabama enjoys optimal health by providing equal and timely access to quality, care comprehensive oral health care, where prevention is emphasized promoting well-being the total of the child.
- 2012 *WCBI Television's "Sunrise" Show Discussant, May 2012*
Learning Matters segment – partnership with WCBI & MUW Center for Creative Learning; Discussed "Promoting Oral Health among Children", Columbus, MS
- 2011 *WCBI Television's "Sunrise" Show Discussant, July 2011*
Learning Matters segment – partnership with WCBI & MUW Center for Creative Learning; Discussed "Healthy Lifestyles for Children", Columbus, MS
- 2009 *Advisory Board Member, Racial/Ethnic Minority Outreach & Services*
Wichita Area Sexual Assault Center, Wichita, KS
- 2008-2010 *Program Evaluator, Give Kids a Smile Program*
The purpose of the annual Give Kids a Smile program was to provide free restorative and preventive dental services to uninsured children in Sedgwick County, Kansas. The program was spearheaded by the Wichita-Sedgwick County Oral Health Coalition.
- 2008-2011 *Wichita-Sedgwick County Oral Health Coalition Member*
The purpose of the Coalition was to increase oral health services and access to medically underserved communities in the greater Wichita Metropolitan area. The fiscal agent for the Coalition was the GraceMed Clinic.
- 2008 *Kansas Health Policy Authority's (KHPA) Medical Home Guiding Principles Committee Member* – The purpose of the committee was to identify priorities and strategies
- 2007 *Promoting Regional Operations in Public Health with Information and Technology (PROPHIT), Immunization Initiative Member*
PROPHIT was sponsored by the Kansas Health Institute, the Kansas Association of Local Health Departments, and the Kansas Department of Health & Environment
- 2007-2009 *Steering Committee Member (2007-2008); Member (2007-2009)*
Immunize Kansas Kids (IKK) Work-Group
IKK was led by the Kansas Department of Health & Environment (KDHE), the Kansas Health Institute (KHI), and the Kansas Association of Local Health Departments (KALHD). The purpose of IKK was to assure adequate coverage and timely vaccination of children against vaccine preventable diseases.
- 2007 *Diabetes Summit Planning Committee Member*
Kansas Department of Health & Environment (KDHE), Office of Minority Health

- 2007 *Minority Health Advisory Committee Member, Positive Directions, Inc.*
This organization was established to engage the community to work towards the prevention of HIV/AIDS in the African American community
- 2006-2009 *Community Advisory Council Member, Pure & Simple Lifestyle Project*
The purpose of this program was to promote sexually healthy choices among youths, Wichita, KS
- 2006 *Kansas Epilepsy Symposia Planning Committee Member*
University of Kansas School of Medicine-Wichita, Via Christi Comprehensive Epilepsy Center, and Wichita State University School of Nursing
- 2006-2009 *Northeast Wichita Health Coalition Member and Program Evaluator*
Led by the E.C. Tyree Health & Dental Clinic, the mission of this coalition was to decrease health disparities in the Northeast area of Wichita, KS (a socioeconomically poor and medically underserved area) through effective collaboration among agencies and organizations.
- 2006-2007 *Regional Steering Committee Member, Kansas, Missouri & Oklahoma Leadership Institute (KMOLI)*
- 2004-2006 *DELTA Project Council Member*
A prevention initiative, the Domestic Violence Prevention Enhancement and Leadership through Alliances Project (DELTA) was implemented by the Wichita/Sedgwick County Domestic Violence Coalition to reduce domestic and partnership violence, Wichita, KS
- 2003-2005 *Kansas Minority Health Advocacy Network (KMHAN) Member*
The purpose of KMHAN, a Kansas statewide organization, was to bring together key health providers, public health professionals, researchers, and community-based organizations across the state of Kansas to advocate to public and private entities for the purpose of being accountable towards eliminating health disparities in racial and ethnic minorities.

Workshops and Trainings Provided

The Social Ecological Model

- *Conducted workshop, The Social Ecological Model: A Multifaceted Approach to the Morehouse School of Medicine/Tuskegee University/University of Alabama-Birmingham Cancer Partnership, CHA Summer Institute, Birmingham, AL.*

Obesity Disparities

- *Conducted workshop on disparities in obesity in rural Alabama for the Mini Research School, which was sponsored by the College of Community Health Sciences and the Institute for Rural Health Research at The University of Alabama as part of its NIH-funded Community-based Participatory Research (CBPR) grant. The purpose of the Mini Research School was to train Community Scholars in their efforts to conduct research with academic partners. September 2013.*

Saving Lives Initiative

- Presented three workshop presentations: “How to communicate with your doctor and other health professionals” for the Saving Lives initiative, which was a faith-based health program spearheaded by the Center for Community-Based Partnerships (CCBP). The CCBP is part of the Division of Community Affairs at The University of Alabama. April 2013.

Cultural Competency Training

- Was co-investigator, co-developed training curriculum, and provided online training program for public health professionals in partnership with Dr. Suzanne Hawley. This was a self-paced course funded by the Kansas Department of Health & Environment and provided through the online KS-TRAIN learning management system – a public health professional development resource. June 2008-2010.

Reducing and Eliminating Health and Disease Disparities

- Conducted a seminar on reducing/eliminating health disparities which was provided to public health professionals as part of the Kansas Public Health Certificate Program. The program was sponsored by the Kansas Department of Health & Environment, Topeka, Kansas. October 2007.

Immunization Technology Training Program

- Provided nine workshops across the state of Kansas to local and county health department personnel. Was the Principal Investigator of the grant; developed training curriculum and provided workshops with Julie Oler-Manske, MS. The program was funded by the Kansas Association of Local Health Departments. June 27– September 21, 2007.

Health Disparities; Cultural Competency in Primary Health Care

- Provided two in-service workshops to staff at the Center for Health & Wellness in Wichita, KS. Provided the workshop in collaboration with Dr. Rhonda K Lewis. November 3, 2004.

The University of Memphis Board of Trustees

Recommendation for Approval

Date: June 5, 2024

Committee: Academic and Student Affairs Committee

Presentation: Tenure Upon Appointment as Professor, Loewenberg College of Nursing – Dr. Debra Lynn Kelly (Recommendation for Approval)

Presented by: Dr. David Russomanno, Executive Vice President for Academic Affairs and Provost

Background:

Dr. Kelly is a Tenured Associate Professor and Associate Dean for Undergraduate Programs at the University of Florida (UF) College of Nursing, where she has been a faculty member since 2013. She is a certified nurse educator (CNE) with experience developing and implementing innovative teaching strategies for a diverse student body at various levels of education. Dr. Kelly's teaching and accreditation expertise is evident from her involvement in writing accreditation reports for the past ten (10) years in her current role at UF to the Commission on Collegiate Nursing Education (CCNE). She is also serving at the university level in completing her college report for the Southern Association of Colleges and Schools Commission.

Dr. Kelly's research focuses on mitigating the impact of the symptom burdens of chronic illness with a population focus on chronicity, mainly in oncology. She is a co-investigator on an R01 study examining biomarkers associated with healing in chronic venous leg ulcers and has served as a PI or CO-I on projects totaling more than \$8,000,000 in external funding. As a leader of the Biobehavioral Research and Palliative Care Special Interest Groups of the American Society of Transplant and Cellular Therapy and researcher working with diverse teams of multi-disciplinary scientists, she has published fifty-seven (57) peer-reviewed in multi-disciplinary journals. Additionally, Dr. Kelly has received R-level financing through the National Institutes of Health National Institute for Nursing

Bringing Dr. Kelly as a Tenured Full Professor upon appointment will help boost the teaching and research mission of both the College of Nursing and the UofM.

Recommendation:

The Academic and Student Affairs Committee recommends approval of tenure for Dr. Kelly as Professor upon her appointment at the Loewenberg College of Nursing.

TIMELINE ADJUSTMENT FOR PROMOTION AND/OR TENURE

(formerly known as "Tenure Reduction Form")

FACULTY INFORMATION

NAME: Debra Lynch Kelly U-NUMBER: U00123456
FIRST MIDDLE LAST

COLLEGE/SCHOOL: Loewenberg College of Nursing

DEPARTMENT: _____

PLEASE CHECK ONE (1):

☒ **TENURE UPON APPOINTMENT****

☐ **PROMOTION TIMELINE** TIMELINE REDUCTION _____ YEAR(S)

☐ **TENURE TIMELINE *** TIMELINE REDUCTION _____ YEAR(S)

☐ **TENURE & PROMOTION TIMELINE *** TIMELINE REDUCTION _____ YEAR(S)

* WILL THIS REDUCTION RESULT IN A CHANGE IN THE INDIVIDUAL'S MID-TENURE REVIEW TIMING? ☐ YES ☐ NO

IF YES, INDICATE THE ADJUSTED MID-TENURE YEAR: _____
(YEAR ONLY – 20XX)

JUSTIFICATION REQUIRED

PLEASE SUBMIT YOUR CV AND JUSTIFICATION, ALONG WITH THIS FORM TO PROVOST@MEMPHIS.EDU.

**Please reference [Section 4.9.3A in the Faculty Handbook](#) regarding procedures for Tenure Upon Appointment

RECOMMEND APPROVAL

RECOMMENDED

Gloria Carr 04/04/24 ☒ YES
CHAIR SIGNATURE DATE (MM/DD/YYYY)

Linda Haddad 4/5/2024 ☒ YES
DEAN SIGNATURE DATE (MM/DD/YYYY)

APPROVAL

APPROVED

David Russomanno 04/09/2024 ☒ YES
PROVOST SIGNATURE DATE (MM/DD/YYYY)

*ADJUSTED TENURE AND/OR PROMOTION APPLICATION: _____
*COMPLETED BY PROVOST (SEMESTER) (YEAR – 20XX)

April 5, 2024

Dr. David Russomanno
Provost
University of Memphis
Memphis, TN 38152

RE: Tenure of Dr. Debra Kelly upon appointment

This letter represents a rationale for hiring Dr. Debra Kelly as a professor with tenure upon appointment. This request is based on her exceptional and sustained record of research, teaching, service to the nursing profession, and science discovery.

Dr. Kelly is currently a tenured associate professor and associate dean for undergraduate programs at the University of Florida College of Nursing, where she has been a faculty since 2013. Her teaching experience covers multiple teaching modalities, including online instruction and face-to-face didactic education in undergraduate programs and DNP programs. She is a certified nurse educator (CNE) with experience developing and implementing innovative teaching strategies for a diverse student body at various levels of education. Her teaching and accreditation expertise is evident from her involvement in writing ten (10) years of accreditation reports for her college to the Commission on Collegiate Nursing Education. She is also serving at university level in completing her college report for the Southern Association of Colleges and Schools Commission.

Dr. Kelly's research focuses on mitigating the impact of the symptom burden of chronic illness with a population focus on chronicity, mainly in the field of oncology. Funding has included pilot funding through the Oncology Nursing Foundation and the American Cancer Society from the University of Florida Health Cancer Center. She has received R-level funding through the National Institutes of Health National Institute for Nursing Research examining biobehavioral mechanisms such as the intersectionality among the gut microbiota, inflammation, and cancer-related symptoms (fatigue, depression and anxiety, pain, and neurocognitive dysfunction) in efforts to design and implement interventions targeting pathways to mitigate distressing symptoms and improve quality of life.

She is currently a co-investigator on an R01 study examining biomarkers associated with healing in chronic venous leg ulcers. She has served as either a PI or CO-I on projects totaling more than \$8,000,000 in external funding. As a leader of the Biobehavioral Research and Palliative Care Special Interest Groups of the American Society of Transplant and Cellular Therapy and researcher working with diverse teams of multi-disciplinary scientists, she has fifty-seven (57) peer-reviewed publications in multi-disciplinary journals.

She is a recipient of the Icon Award for Nursing Research from the Florida Nursing Association and was inducted as a Fellow into the Academy of Nursing in 2021.

In summary, Dr. Kelly meets the University and the College's teaching, research, and service tenure criteria, and I recommend hiring her with tenure at the rank of Professor upon appointment.



Sincerely,

Linda Haddad

Linda Haddad, RN, PhD, FAAN
Dean, Loewenberg College of Nursing



Loewenberg College of Nursing

2502 Community Health Building
Memphis, Tennessee 38152

Office: 901.678.2003
Fax: 901.678.4541

www.memphis.edu

4/17/24

Dear Dr. Linda Haddad,

I am pleased to send this memo from the Promotion & Tenure Committee recommending Tenure of Dr. Debra Kelly upon appointment. The tenured professors from P&T committee have reviewed Dr. Kelly's dossier during the interview process and have voted for Tenure of Dr. Debra Kelly upon appointment.

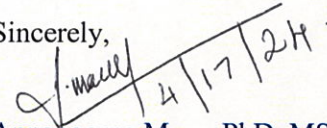
The committee applauds and welcomes Dr. Kelly's funded program of research. Dr. Kelly's research focuses on mitigating the impact of the symptom burden of chronic illness with a population focus on chronicity, mainly in the field of oncology. Oncology research opens a new avenue and opportunities for Loewenberg College of Nursing (LCN) research and scholarship mission. Her research also has broader implications and potentials for interdisciplinary collaborations within the University of Memphis community, aligning with the University of Memphis Research mission.

The committee appreciates Dr. Kelly's research fundings including a pilot funding through the Oncology Nursing Foundation and the American Cancer Society from the University of Florida Health Cancer Center. In addition, she has received R-level funding through the National Institutes of Health National Institute for Nursing Research examining biobehavioral mechanisms such as the intersectionality among the gut microbiota, inflammation, and cancer-related symptoms (fatigue, depression and anxiety, pain, and neurocognitive dysfunction) in efforts to design and implement interventions targeting pathways to mitigate distressing symptoms and improve quality of life. Further, she is currently a co-investigator on an R01 study examining biomarkers associated with healing in chronic venous leg ulcers. She has served as either a PI or CO-I on projects totaling more than \$8,000,000 in external funding.

As a leader of the Biobehavioral Research and Palliative Care Special Interest Groups of the American Society of Transplant and Cellular Therapy and researcher working with diverse teams of multi-disciplinary scientists, she has fifty-seven (57) peer-reviewed publications in multi-disciplinary journals.

Dr. Kelly meets the University and the College's teaching, research, and service tenure criteria, we recommend hiring her with tenure at the rank of Professor upon appointment.

Sincerely,


Annapoorna Mary, PhD, MSc(N), RN, CNE
Associate Professor
Loewenberg College of Nursing

NAME: Debra Lynch Kelly, PhD, RN, OCN®, FAAN

MAILING ADDRESS:

3824 SW 30th Terrace
Gainesville, FL 32608

PHONE:

804-240-3803

EMAIL:

debfed98@gmail.com

UFID: 1848-1063

CURRENT RANK:

Associate Professor and
Associate Dean for Academic Affairs Undergraduate Education
(Appointment: November 1, 2020-Present)

DATE APPOINTED: July, 2014

TENURE AWARDED: July, 2020

EDUCATION:

<u>Institution</u>	<u>Field of Study</u>	<u>Degree</u>	<u>Date</u>
Virginia Commonwealth University	Nursing	PhD	May, 2014
Virginia Commonwealth University	Nursing	BS	May, 1996
Northern Virginia Community College	Liberal Arts	AA	May, 1992

EMPLOYMENT:

<u>Institution</u>	<u>Title</u>	<u>Date</u>	<u>Major Responsibility</u>
University of Florida, College of Nursing	Associate Dean for Academic Affairs Undergraduate Education	2020-Present	Responsible for the academic integrity of the undergraduate programs (Traditional BSN, Accelerated BSN, and RN to BSN), including development of curricular and program innovations and educational partnerships. Directs implementation of the undergraduate curriculum to deliver high quality learning outcomes. Evaluates the school's overall undergraduate academic program, including course, program, teacher, alumni, employer, and clinical agency evaluations.
University of Florida, College of Nursing	Associate Professor	2020-Present	Makes a substantive contribution to the UF CON research mission by generating, applying, and disseminating new knowledge that has an impact on transforming health. Makes a substantive contribution to the UF CON teaching mission by applying expertise to create effective and collaborative teaching and learning environments. Makes a substantive contribution to the UF CON service mission by applying expertise within the organization, profession, research communities,

LICENSURE/CERTIFICATION:

License Registered Nurse, Florida Department of Health, 2014, RN9388860 (active)

License Registered Nurse, Virginia Department of Health, 1996 – 2016, RN0001149157

Oncology Certified Nurse, Oncology Nursing Certification Corporation, December 2012 - Present

Certified Nurse Educator, National League for Nursing, July 2018 - Present

University of Florida, College of Nursing	Assistant Professor	2014-2020	and/or practice. Supporting the University and the College of Nursing's tripartite mission of education, research, and practice through initiating and maintaining a program of research leading to external funding, contributing to the organizational development of a community of scholars and participation in all aspects of curriculum including teaching across programs (BS, DNP, PhD).
Virginia Commonwealth University	Project Director	2011-2014	Research, Study management, oversight of daily operations of research project.
Virginia Commonwealth University	Graduate Teaching Assistant	2013- 2014	Develop, Teach Hybrid PhD course; Grade undergraduate papers
Virginia Commonwealth University	Graduate Research Assistant	2009- 2010	Recruitment onto studies, Consenting participants and Data Collection
Massey Cancer Center at Virginia Commonwealth University	RN Dalton Oncology Clinic	2010- 2011	Direct nursing care and chemotherapy infusion
Virginia Commonwealth University Health Systems	RN Supplemental Staffing	2001- 2010	Direct patient care all adult units including Emergency Department and Intensive Care Units
Virginia Commonwealth University Health Systems	RN Coronary Intensive Care Unit	1996 - 2001	Direct patient care for patients admitted to the Coronary Intensive Care Unit

GRADUATE COMMITTEE ACTIVITIES:**Chair, PhD Committees**

<u>Student Name</u>	<u>Research Topic</u>	<u>Home Department</u>	<u>Completion Date</u>
Bai, Ailiya	Integrative therapies and biological mechanisms of cancer-related symptoms	Biobehavioral Nursing Science	Anticipated May 2026
Samami Kojidi, Elham	Microbiota and Cancer Related Symptoms	Biobehavioral Nursing Science	Anticipated May 2026
Bala, Trina	Distressing symptoms of Chronic Venous Leg Ulcers	Biobehavioral Nursing Science	Anticipated May 2024
Hunter, Samantha	Biobehavior correlates of Sleep Dysfunction among Individuals with Chronic Venous Leg Ulcers	Biobehavioral Nursing Science	May 2022
Al anazi, Amal	Lifestyle behavior impact on breast cancer	Biobehavioral Nursing Science	May 2021

Member, PhD Committees

<u>Student Name</u>	<u>Research Topic</u>	<u>Home Department</u>	<u>Completion Date</u>
Al-Bashaireh, Ahmad	The effect of smoking on human serum of RANKL-OPG Axis and bone turnover biomarkers	College of Nursing Family, Community and Health System Science	May 2018
Alabasi, Karima	Malnutrition in Community-Dwelling Elderly: Development and Validation	Institute of Food and Nutritional Service	August 2019

of a Comprehensive Older
Adult Screening Tool
(COAST)

Davis, Nicole	Nursing Resources, Emergency Department Length of Stay and Inpatient Mortality for Intracerebral Hemorrhage Patients	College of Nursing Biobehavioral Nursing Science	August 2019
Sheehan, Tiffany	Client and System Characteristics Associated With Time To Aneurysm Repair and Outcomes of Aneurysmal Subarachnoid Hemorrhage	College of Nursing Biobehavioral Nursing Science	August 2019
<u>Chair, DNP Committees</u>			
<u>Student Name</u>	<u>Research Topic</u>	<u>Home Department</u>	<u>Completion Date</u>
West, Corey	Smoking cessation education intervention	Family and Community Health	Anticipated May 2023
Tataris, Maria	Central Line Catheter Infections	Biobehavioral Nursing Science	Anticipated December 2021
Tagel-Suzor, Danielle	Factors and Descriptors of CHF	Biobehavioral Nursing Science	Anticipated August 2021
Masforroll, Claire Marie	Factors influencing Readmission of Adolescent Patients after Discharge following Hematopoietic Cell Transplantation	Biobehavioral Nursing Science	Anticipated May 2020
Wu, Yu	Evidence Based Clinical Decision Support Tool in Medical Intensive Care Unit: When to Obtain On-Demand Chest X-ray	Biobehavioral Nursing Science	Anticipated May 2017

Member, DNP Committees

<u>Student Name</u>	<u>Research Topic</u>	<u>Home Department</u>	<u>Completion Date</u>
None			

Chair, Masters Committees

<u>Student Name</u>	<u>Research Topic</u>	<u>Home Department</u>	<u>Completion Date</u>
None			

Member, Masters Committees

<u>Student Name</u>	<u>Research Topic</u>	<u>Home Department</u>	<u>Completion Date</u>
Asmaa, Fatima	Increasing Fiber in Chronic Kidney Disease: A Community Education Intervention	Human Food and Nutrition	Anticipated May 2016
Mead, Lacey	Associations among fiber and health outcome in hematopoietic cell transplant survivors	Human Food and Nutrition	Anticipated May 2019

Chair, Undergraduate Honors Activities: (For Honors Projects, University Scholars projects, and undergraduate thesis only)

<u>Student Name</u>	<u>Research Topic</u>	<u>Home Department</u>	<u>Completion Date</u>
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University Scholars

Pierre, Reneisha	Pain following Hematopoietic Cell Transplant	Florida Comprehensive Cancer Research Training Opportunities for Outstanding Leaders Program	July 2019
Barnes, Jaysha	Prostate Cancer and Fatigue	Minority Cancer Research and Training Center	July 2016
Stefano, Michael	Stem cell therapy education for pediatric blood and marrow transplant recipients	UF College of Nursing Student EMBRACE	May 2018

Refereed Publications

- 2023 Jackson, M., Schmidt, R., Lally, R., Tlusty, G., Arthur, E., Flora, L., Krok-Schoen, J., **Lynch Kelly, D. L.**, Starkweather, A., Barr, A., Loftis, J., Brassil, K., Saligan, L., Tavormina, A., Vazquez, M., Wright, A., Halpenny, B., & Hammer, M. (2023). Preliminary dietary assessment in the COACH study for cancer survivors: A trial in progress. *Journal of the Academy of Nutrition and Dietetics*, 123(9), A36. doi: 10.1016/j.jand.2023.06.121
- 2023 Lyon, D. E., Yao, Y., Garrett, T., **Lynch Kelly, D. L.**, Cousin, L., Archer, K. J. (2023). Comparison of serum metabolomics in women with breast cancer prior to chemotherapy and at 1 year: cardiometabolic implications. *BMC Women's Health*, 23, 221. doi: 10.1186/s12905-023-02355-7
- 2023 Alanazi, A., **Lynch Kelly, D. L.**, Weaver, M., & Lyon, D. E. (2023). A scoping review of psychological distress instruments in women with early stage breast cancer during chemotherapy. *Cancer Reports*, June 2023, e1833. doi: doi.org/10.1002/cnr2.1833
- 2023 Winders, S., Lyon, D. E., Stechmiller, J. & **Lynch Kelly, D. L.** (2022). Biomarkers of Sleep Disturbance in Adults with Chronic Illness: A Scoping Review. *Chronic Illness*, 19(1), 3-25. doi: 10.1177/17423953211073697
- 2022 Yang, G. S., Yang, K., Weaver, M., **Lynch Kelly, D. L.**, Dorsey, S., & Lyon D. (2022). Exploring the relationship between DNA methylation age and psychoneurological symptoms in women with early stage breast cancer. *Journal of Supportive Care in Cancer*, 20(3), 31:65 1-12. doi: 10.1007/s00520-022-07519-z
- 2022 Kim, J. L., Stechmiller, J., Weaver, M., Gibson, D., Horgas, A., **Lynch Kelly, D. L.**, & Lyon, D. E. (2022). The association of wound factors and symptoms of fatigue and pain with wound healing in chronic venous leg ulcers. *International Wound Journal*, 20(4), 1098-1111. doi: 10.1111/iwj.13966
- 2022 Mayo, S., Kuruvilla, J., Laister, R. C., Ayala, A. P., Alm, M., Byker, W., **Lynch Kelly, D.**, & Saligan, L. (2022). Blood-based biomarkers of cancer-related cognitive impairment in non-central nervous system cancer: protocol for a scoping review. *British Medical Journal (BMJ) Open*, 8(1), e017578. doi: 10.1136/bmjopen-2017-017578
- 2021 Kim, J., Wilkie, D. J., Weaver, M., Lyon, D. E., **Lynch Kelly, D. L.**, Millna, S. B., Park, J., & Stechmiller, J. (2021). Multidimensional pain characteristics in older adults with chronic venous leg ulcers. *Advances in Wound Care*, 10(10), 544-556. doi: 10.1089/wound.2020.1355
- 2021 **Lynch Kelly, D. L.**, Syrjala, K., Taylot, M., Rentschner, K. E., Hashmi, S., Wood, W. A., Jim, H., Barata, A., Flynn, K. E., Burns, L. J., Shaw, B. E., Petersdorf, E., Carrazana Yero, A., Emmrich, A. A., Morris, K. E., Costanzo, E., & Knight, J. M. (2021). Biobehavioral research and hematopoietic stem cell transplantation: Expert review from the Biobehavioral Research Special Interest Group of the American Society for Transplant and Cellular Therapy. *Transplantation and Cellular Therapy*, 27(9), 747-757. doi: 10.1016/j.jtct.2021.06.007
- 2021 Farhadfar, N., Gharaibeh, R. Z., Dahl, W., Mead, L., Alabasi, K., Newsome, R., . . . **Lynch Kelly, D.**, (2021). Gut microbiota dysbiosis associated with persistent fatigue in hematopoietic cell transplantation survivors. *Transplant and Cellular Therapy*, Feb 27, S2666-6367(21)00704-1. doi: 10.1016/j.jtct.2021.02.017 (online ahead of print)
- 2021 Farhadfar, N., Gharaibeh, R. Z., Lyon, D. E., Weaver, M T., Whitlock, J. A., Murthy, H. S., . . . **Lynch Kelly, D. L.** (2021). Microbiota phylogenetic analysis revealed decreased abundance of *Faecalibacterium prausnitzii*, an anti-inflammatory commensal bacterium, in patients with chronic graft-versus-host disease. *Hematology/Oncology and Stem Cell Therapy*, March 19, S1658-3876(21)00033-9. doi: 10.1016/j.hemonc.2021.03.004 (online ahead of print)

- 2021 Kim, J., Yang, G. S., Lyon, D. E., **Lynch Kelly, D. L.**, & Stechmiller, J. (2021). Metabolomics: Impact of comorbidities and inflammation on sickness behaviors for individuals with chronic wounds. *Advances in Wound Care*, 10(7), 357-369. doi: 10.1089/wound.2020.1215
- 2021 Menzies, V., **Lynch Kelly, D. L.**, Yang, G. S., & Lyon, D. E. (2019). A Systematic Review of the Association between Fatigue and Cognition in Chronic Noncommunicable Diseases (NCDs). *Chronic Illness*, 17(2), 129-150. doi: 10.1177/1742395319836472
- 2021 Davis, N. W., O Sheehan, T., Guo, Y., **Lynch Kelly, D. L.**, Horgas, A., Yoon, S. (2021). Factors associated with emergency department length of stay and in-hospital mortality in intracerebral hemorrhage patients. *Journal of Neuroscience Nursing*, 53, 92-98. doi: 10.1097/JNN.0000000000000572
- 2021 O Sheehan, T., Davis, N., Peach, B., Ansell, M., Cimiotti, J. P., Guo, Y., **Lynch Kelly, D. L.**, Yoon, S. L., & Horgas, A. L. (2021). Hospital characteristics and mortality in aneurysmal subarachnoid hemorrhage. *Journal of Neuroscience Nursing*, 53, 2-4. doi: 10.1097/JNN.0000000000000549
- 2020 **Lynch Kelly, D. L.**, Farhadfar, N., Starkweather, A. R., Garrett, T. J., Yao, Y., Wingard, J. R., . . . Lyon, D. E. (2020). Global metabolomics in allogeneic hematopoietic cell transplantation recipients discordant for chronic graft-versus-host disease. *Biology of Blood and Marrow Transplantation*, 26, 1803-1810. doi: 10.1016/j.bbmt.2020.06.014
- 2020 Alhareeri, A., Archer, K., Fu, H., Lyon, D. E., Elswick, R. K., **Lynch Kelly, D. L.**, Starkweather, A. R., Elmore, L. W., Bokhari, Y. A., & Jackson-Cook, C. (2020). Telomere lengths in women treated for breast cancer show associations with chemotherapy, pain symptoms, and cognitive domain measures: a longitudinal study. *Breast Cancer Research*, 22(1), 137. doi: 10.1186/s13058-020-01368-6
- 2020 Farhadfar, N., **Lynch Kelly, D. L.**, Mead, L., Nair, S., Hsu, J. S., Brown, R., Hiemenz, J., Wingard, J. R., & Dahl, W. (2020). Dietary intake and diet quality of hematopoietic stem cell transplant survivors. *Biology of Blood and Marrow Transplantation*, 24, S1083-8791. doi: 10.1016/j.bbmt.2020.02.017.
- 2020 Murthy, H. S., Gharaibeh, R. Z., Al-Mansour, Z., Kozlov, A., Garav, T., Newsome, R. C., . . . Wingard, J. R. (2020). Baseline gut microbiota composition is associated with major infections early after hematopoietic cell transplantation *Biology of Blood and Marrow Transplantation*, 26, 2001-2010. doi: 10.1016/j.bbmt.2020.07.023
- 2020 Yang, G. S., MI, X., Jackson-Cook, C. K., Starkweather, A. R., **Lynch Kelly, D. L.**, Archer, K. J., Zou, F.; & Lyon, D. E. (2020). Differential DNA methylation following chemotherapy for breast cancer is associated with lack of memory improvement at one year. *Epigenetics*, 15, 499-510. doi: 10.1080/15592294.2019.1699695
- 2020 Menzies, V., Starkweather, A., Yao, Y., **Lynch Kelly, D. L.**, Garrett, T. J., Yang, G. S., . . . Lyon, D. E. (2020). Exploring associations between metabolites and symptoms of fatigue, depression and pain in women with fibromyalgia. *Biological research for nursing*, 23, 119-126. doi: 10.1177/1099800420941109
- 2020 Hsiao, C., Dickinson, K., Gonzalez-Mercado, V., **Lynch Kelly, D. L.**, McCabe, M., Mayo, S., . . . Saligan, L. (2019). Consortium building for early career symptom scientists in the era of precision health. *Journal of Nursing Scholarship*, 52, 183-191. doi: 10.1111/jnu.12534
- 2020 Davis, N. W., O Sheehan, T., Peach, B. C., Ansell, M., Cimiotti, J. P. Guo, Y., **Lynch Kelly, D. L.**, Horgas, A. L., & Yoon, S. (2020). Emergency Department length of stay and other factors contributing to intracerebral hemorrhage patient outcomes: An executive summary. *Journal of Neuroscience Nursing*, 52, 264-266. doi: 10.1097/JNN.0000000000000537
- 2020 Wu, Y., Rose, M. Q., Freeman, M. L., Richard-Lany, N. P., Spaulding, A. C., Booth, S. C., **Lynch Kelly, D. L.**, & Franco, P. M. (2020). Reducing chest radiography utilization in the medical intensive care unit. *Journal of the American Association of Nurse Practitioners*, 32, 390-399. doi: 10.1097/JXX.0000000000000256
- 2019 Farhadfar, N., Garaibeh, R., Lyon, D. E., Jobin, C., Whitlock, J., Wang, G., . . . **Lynch Kelly, D. L.** (2019). Microbiota Phylogenetic Analysis Revealed Decreased Abundance of *Faecalibacterium Prausnitzii*, an Anti-Inflammatory Commensal Bacterium, in Patients with Chronic Graft-Versus-Host Disease. *Cancer Medicine*, (submitted August 5, 2019).
- 2019 Farhadfar, N., Hsu, J., Logan, B., Sees, J., Chitpha, P., Abdelazim, H., . . . Wingard, J. R. Weighty choices: selecting optimal G-CSF doses for stem cell mobilization to optimize yield. *Haematologica*, (submitted July 30, 2019).
- 2019 Menzies, V., Starkweather, A., Yao, Y., Thacker, L. R., Garrett, T., Swift-Scanlan, T., **Lynch Kelly, D. L.**, . . . Lyon, D. E. (2019). Metabolomic Differentials in Women with and without Fibromyalgia. *Clinical and Translational Science*, August 14, 2019. doi: 10.1111/cts.12679
- 2019 Gullett, J. M., Cohen, R. A., Menzies, V. S., Fieo, R. A., **Lynch Kelly, D. L.**, Starkweather, A. S., Jackson-Cook, C. & Lyon, D. E. (2019). Relationship of Fatigue with Cognitive Performance in Women with Early-Stage Breast Cancer over Two Years. *Psycho-Oncology*, 28, 997-1003. doi:10.1002/pon.5028
- 2019 Inamoto, Y., Valdes-Sans, N., Ogawa, Y., Alves, M., Berchicci, L., Galvin, J., . . . Petricek, I. (2109). Ocular Graft-versus-Host Disease after Hematopoietic Cell Transplantation: Expert Review from the Late Effects and

- Quality of Life Working Committee of the Center for International Blood and Marrow Transplant Research and Transplant Complications Working Party of the European Society of Blood and Marrow Transplantation. *Biology of Blood and Marrow Transplantation*, 18, 30754-30757. doi: 10.1016/j.bbmt.2018.11.021
- 2019 Inamoto, Y., Valdes-Sans, N., Ogawa, Y., Alves, M., Berchicci, L., Galvin, J., . . . Petricek, I. (2019). Ocular Graft-versus-Host Disease after Hematopoietic Cell Transplantation: Expert Review from the Late Effects and Quality of Life Working Committee of the Center for International Blood and Marrow Transplant Research and Transplant Complications Working Party of the European Society of Blood and Marrow Transplantation. *Bone Marrow Transplantation*, 54, 662-673. doi: 10.1038/s41409-018-0340-0
- 2019 Dickinson, K. A., **Lynch Kelly, D. L.**, Jin-Shei, L., & Saligan, L. N. (2019). Development of the PROMIS-based Research Assessment and Clinical Tool-Fatigue (ReACT-F). *Supportive Care in Cancer*, (Epub ahead of print). doi: 10.1007/s00520-018-4614-2
- 2019 Yoon, S. L., Kim, J. A., **Lynch Kelly, D. L.**, Lyon, D. E., & George, T., (2019). Predicting unintentional weight loss in patients with gastrointestinal cancer. *Journal of Cachexia, Sarcopenia, and Muscle*, 10, 526-535. doi: 10.1002/jcsm.12398
- 2018 Al-Bashaireh, A., Haddad, L., Weaver, M. T., Xing, C., **Lynch Kelly, D. L.**, & Yoon, S. L. (2018). The Effect of Tobacco Smoking on Bone Mass: An Overview of Pathophysiologic Mechanisms. *Journal of Osteoporosis*, Vol 2018, Article ID 1206235, 17 pages. doi: 10.1155/2018/120623
- 2018 **Lynch Kelly, D. L.**, Yang, GeeSu, Starkweather, A. R., Siangphoe, Uma, Alexander-Delpech, P., & Lyon, D. E. (2018). Relationships among fatigue, anxiety, depression and pain and health-Promoting lifestyle behaviors in women with early stage breast cancer. *Cancer Nursing*, (accepted for publication).
- 2018 Cohen, R. A., Gullett, J. M., Fieo, R., **Lynch Kelly, D. L.**, Starkweather, A., Jackson-Cook, C., & Lyon, D. E. (2018). Fatigue among women with breast cancer: Longitudinal relationship to cognitive performance. Chemotherapy and other clinical factors. *Journal of Cancer Research and Treatment*, 6, 1-12. doi: 10.12691/jcrt-6-x-x
- 2018 Al-Bashaireh, A., Haddad, L., Weaver, M. T., **Lynch Kelly, D. L.**, Xing, C., Yoon, S. L. (2018). The Effect of Tobacco Smoking on Musculoskeletal Health: A Systematic Review. *Journal of Environmental and Public Health*, 2018, Article ID 4184190, 1-11. doi:10.1155/2018/4184190
- 2018 **Lynch Kelly, D. L.**, Buchbinder, D., Duarte, R. F., Auletta, J., Bhatt, N., Byrne, M., . . . Shaw, B. E. (2018). Neurocognitive dysfunction in hematopoietic cell transplantation recipients: Expert review from the Late Effects and Quality of Life Working Committee of the CIBMTR and Complications and Quality of Life Working Party of the EBMT. *Bone Marrow Transplantation: Nature*, January, (Epub ahead of print). doi: 10.1038/s41409-017-0077-7 (dual submission with permission from editor)
- 2018 **Lynch Kelly, D. L.**, Lyon, D. E., Garvan, C., Periera, D., & Wingard, J. R. (2018). Lifestyle behaviors, perceived stress and inflammation of individuals with chronic graft-versus-host disease. *Cancer Nursing*, 41(1), 11-22. doi:10.1097/NCC.0000000000000453 [PMID: 27922915]
- 2018 Oliveira, T., Starkweather, A., Ramesh, D., Fetta, J., **Lynch Kelly, D. L.**, Lyon, D. E., & Sargent, L. (2018). Putative mechanisms of cognitive decline with implications for clinical research and practice. *Nursing Forum*, January, (Epub ahead of print). doi: 10.1111/nuf.12247
- 2018 Mayo, S. J., KJuruville, J., Laister, R. C., Ayala, A. P., Alm, A., Byker, W., **Lynch Kelly, D. L.**, & Saligan, L. (2018). Blood-based biomarkers of cancer –related cognitive impairment in non-central nervous system cancer: Protocol for a scoping review. *Bone Marrow Journal Open*, 8(1), e017578. doi: 0.1136/bmjopen-2017-017578
- 2017 **Lynch Kelly, D. L.**, Buchbinder, D., Duarte, R. F., Auletta, J., Bhatt, N., Byrne, M., . . . Shaw, B. E. (2017). Neurocognitive dysfunction in hematopoietic cell transplantation recipients: Expert review from the Late Effects and Quality of Life Working Committee of the CIBMTR and Complications and Quality of Life Working Party of the EBMT. *Biology of Blood and Marrow Transplantation*, September, (Epub ahead of print). doi: 10.1016/j.bbmt.2017.09.004 (dual submission with permission from editor)
- 2017 Starkweather, A., **Lynch Kelly, D. L.**, Thacker, L., Wright, M., Jackson-Cook, C., & Lyon, D. (2017). Relationships among psychoneurological symptoms and levels of C-reactive protein over 2 years in women with early-stage breast cancer. *Supportive Cancer Care*, 25(1), 167-176. doi: 10.1007/s00520-016-3400-2 [PMID: 27599815]
- 2017 Young, E. E., **Lynch Kelly, D. L.**, Shim, I., Braumbauer, K. M., Starkweather, A., & Lyon, D. E. (2017). Variations in COMT and NTRK2 Influence Symptom Burden in Women Undergoing Breast Cancer Treatment. *Biological Research for Nursing*, February, (Epub ahead of print). doi: 10.1177/10998004 [PMID: 28205449]
- 2017 Lyon, D. E., Starkweather, A., Yao, Y., Garrett, T., **Lynch Kelly, D. L.**, Menzies, V., . . . Jackson-Cook, C. (2017). Pilot study of metabolomics and psychoneurological symptoms in women with early stage breast cancer. *Biological Research for Nursing*, January 1, 1-10 (Epub ahead of print). doi: 10.1177/1099800417747411
- 2016 **Lynch Kelly, D. L.**, Dickinson, K., Hsiao, C. P., Lukkahatai, N., Gonzalez-Marrero, V., McCabe, M., & Saligan, L. (2016). Biological basis for the clustering of symptoms. *Seminars in Oncology Nursing*, 32(4), 351-360. doi:

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- 2016 Haddad, L., **Lynch Kelly, D. L.**, Wiglicki, L.S., Barnett, T., Ferrell, A.F., & Ghadban, R. (2016). A Systematic Review of Effects of Waterpipe Smoking on Cardiovascular and Respiratory Health Outcomes. *Tobacco Use Insights*, 9, 13-28. doi:10.4137/TUI.S39873 [PMID: 27398028]
- 2016 Lyon, D. E., Cohen, R., Chen, H., Starkweather, A., Jackson-Cook, C. K., **Lynch Kelly, D. L.**, & Ahn, B. (2016). Relationship of systemic cytokine concentrations to cognitive function over two years in women with early stage breast cancer. *Journal of Neuroimmunology*, 301, 74-82. doi: 10.1016/j.jneuroim.2016.11.002 [PMID: 27890459]
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- 2016 **Lynch Kelly, D. L.**, Lyon, D.E., Yoon, S.J., & Horgas, A. (2016). The microbiome and cancer: Implications for oncology nursing science. *Cancer Nursing*, 39(3), E56-62. doi: 10.1097/NCC.0000000000000286 [PMID: 26110573]
- 2015 Lyon, D. E., **Lynch Kelly, D. L.**, Walter, J., Bear, H., Thacker, L., & Elswick, R. K. (2015). Randomized Sham Controlled Trial of Cranial Microcurrent Stimulation for Symptoms of Depression, Anxiety, Pain, Fatigue and Sleep Disturbances in Women Receiving Chemotherapy for Early-Stage Breast Cancer. *SpringerPlus*, 4, 369. doi:10.1186/s40064-015-1151-z [PMID: 264335889]
- 2015 Aboalela, N., Lyon, D. E., Elswick, R. K., **Lynch Kelly, D. L.**, Brumelle, J., Bear, H., & Jackson-Cook, C. (2015). Perceived Stress Levels, Chemotherapy, Radiation Treatment and Tumor Characteristics Are Associated with a Persistent Increased Frequency of Somatic Chromosomal Instability in Women Diagnosed with Breast Cancer: A One Year Longitudinal Study. *PLOS*, 10, 1-22. doi: 10.1371/journal.pone.0133380 [PMID: 26177092]
- 2015 **Lynch Kelly, D. L.**, Lyon, D. E., Ameringer, S. A., Elswick, R. K., & McCarty, J. M. (2015). Symptoms, cytokines, and quality of life of patients with chronic graft-versus-host disease. *Oncology Nursing Forum*, 42(3), 265-275. doi:10.1188/15.ONF.265-275 [PMID: 25901378]
- 2015 DellaRipa, J., Conlon, A., Lyon, D., Ameringer, S., **Lynch Kelly, D. L.**, & Menzies, V. (2015). Perceptions of distress in women with ovarian cancer. *Oncology Nursing Forum*, 42(3), 292-300. doi: 10.1188/15.ONF.292.300 [PMID: 25901381]
- 2014 Lyon, D.E., Mohanraj, L., **Lynch Kelly, D. L.**, & Elswick, R.K., (2015). Health promoting life-style behaviors and systemic inflammation in African American and Caucasian women prior to chemotherapy for breast cancer. *Health Promotion Perspectives*, 4(1), 18-26. doi:10.5681/hpp.2014.003 [PMID: 25097833]
- 2013 Jallo, N., Lyon, D.E., Kinser, P.A., **Lynch Kelly, D. L.**, Menzies, V., & Jackson-Cook, C. (2013). Recruiting for epigenetic research: Facilitating the informed consent process. *Nursing Research and Practice*, 2013, 1-8. doi: 10.1155/2013/935740 [PMID: 23840949]
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- 2010 Rattican, D., Lynch Kelly, D. L., Filler, K.A., & Lyon, D.E. (2010). Back pain caused by a solitary plasmacytoma of bone. *Clinical Journal of Oncology Nursing*, 14(2), 149-152. doi: 10.1188.10.CJON.149-152 [PMID: 20350888]

Refereed Research Abstracts

- 2021 Farhadfar, N., Gharaibeh, R. Z., Dahl, W., Mead, L., Alabasi, K., Newsome, R., . . . **Lynch Kelly, D. L.**, (2021). Gut microbiota dysbiosis associated with persistent fatigue in hematopoietic cell transplantation survivors. February 26, 2021 DOI:https://doi.org/10.1016/j.jtct.2021.02.017
- 2019 Farhadfar, N., **Lynch Kelly, D.**, Mead, L., Nair, S., Brown, R., Hiemenz, J., . . . Dalh, W., (2019). Diet quality of long-term allogeneic and autologous stem cell transplant (HCT) survivors. *Blood*, 134(supplement 1), 4565. doi: 10.1182/blood-2019-127648
- 2016 **Lynch Kelly, D. L.**, Lyon, D., Garvan, C., & Wingard, J., (2016). Associations among Inflammation, Perceived Stress, and Lifestyle Behaviors of Individuals with Chronic Graft-versus-Host Disease (cGVHD) following Allogeneic Blood and Marrow Transplantation. 2016 Blood and Marrow Tandem Meeting. 2016, 22(3), S187.
- 2016 Yoon, S., **Lynch Kelly, D. L.**, George, T. J., & Garvan, C. (2016). Biological correlates and mortality in individuals with gastrointestinal cancer. 30th Annual Conference of the Southern Nursing Research Society. B5-1.

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- 2016 **Lynch Kelly, D. L.**, Lyon, D., Garvan, C., & Wingard, J. (2016). Lifestyle Behaviors, Perceived Stress, and Inflammation in Chronic Graft-versus-Host Disease. 30th Annual Conference of the Southern Nursing Research Society, CD-ROM, Abstract #PSI-27. Retrieved from: <http://snrs2016abstracts.conferencespot.org/61616-snrs-1.2951650/t002-1.2953141/f002-1.2953142/a173-1.2953182/ap173-1.2953183>
- 2014 Lyon, D., Elswick, R., **Lynch Kelly, D. L.**, Alhareen, Areej., Jackson-Cook, Colleen. (2014). The relationship of Chromosome Specific Telomere Length in Women with Breast Cancer to Chemotherapy and Acquired Psychoneurological Symptoms. Council for the Advancement of Nursing Science Conference.
- 2014 Alhareeri, A., Lyon, D., Elswick, R.K., **Lynch-Kelly, D. L.**, & Jackson-Cook, C. (2014). Chromosomal-Specific Telomere Length in Women with Breast Cancer: Their Relationship to Chemotherapy and Acquired Psychoneurological Symptoms. *Cytogenetic and Genomic Research*, 2014, 146:226. doi: 10.1159/000360710
- 2014 Aboalela, N., Lyon, D., Elswick, R.K., York, T.P., **Lynch Kelly, D. L.**, & Jackson-Cook, C. (2014). Acquired Epigenetic/Chromosomal Changes in Women with Breast Cancer Are Associated With Chemotherapy and the Acquisition/Persistence of Psychoneurological Symptoms. *Cytogenetic and Genomic Research*, 2014, 146:226. doi: 10.1159/000360710
- 2014 **Lynch Kelly, D. L.**, Lyon, D. Ameringer, S. Elswick, R. & McCarty, J. (2014). Symptoms, Inflammation, and Quality of Life of Patients with Chronic Graft-versus-Host Disease following Allogeneic Hematopoietic Stem Cell Transplantation. Council for the Advancement of Nursing Science Conference, Abstract.
- 2014 **Lynch Kelly, D. L.**, & Lyon, D.E. (2014). Symptoms, Cytokines, & Quality of Life Profiles of Patients with Chronic Graft-Versus-Host Disease: A Cross-Sectional Study. 28th Annual Conference of the Southern Nursing Research Society, CD-ROM, Abstract #PSI-84.
- 2013 **Lynch Kelly, D. L.**, Poulose, S., Mohanraj, L., & Lyon, D.E. (2013). Lifestyle Differences between African American and Caucasian Women Diagnosed with Early Stage Breast Cancer. 27th Annual Conference of the Southern Nurses Research Society, CD-ROM, Abstract #PS1-42.
- 2012 **Lynch Kelly, D. L.**, & Lyon, D. E. (2012). Cytokine Levels in Patients with Chronic Graft Versus Host Disease: An Integrative Review. 26th Annual Conference of the Southern Nursing Research Society, CD-ROM, Abstract #PS3-40.
- 2010 Chaber, D., **Lynch Kelly, D. L.**, & Lyon, D.E. (2010). Biological Correlates of Mindfulness Meditation. Proceeding from the 24th Annual Conference of the Southern Nursing Research Society, Abstract #P11-56. Retrieved from: <http://www.resourcenter.net/images/SNRS/Files/2010/AnnMtg/AbstractProceedings/start.htm>

LECTURES, SPEECHES, OR POSTERS PRESENTED AT PROFESSIONAL CONFERENCES/MEETINGS:

International Presentations:

Refereed Papers

Refereed Posters

- Lynch Kelly, D. L.**, Farhadfar, N., Samami, E., Lyon, D., Starkweather, A., Weaver, M. Langer, K., & Cohen, R. (2023). Longitudinal examination of symptoms and C-Reactive Protein correlates of neurocognitive dysfunction following hematopoietic cell transplantation. *Florida Academy of Science Conference*. Poster# MED-001, March 10, 2023. Florida Polytechnic University, Lakeland, FL.
- Farhadfar N, Gharabieh ZR, Mead L, Wang G, Jobin C, Lyon D, Dahl W, Wingard JR, **Lynch Kelly, D. L.** Gut microbiota associated with persistent fatigue in hematopoietic stem cell transplant survivors. *Transplantation & Cellular Therapy Meeting*. February 9, 2021. (Virtual meeting)
- Kim, J., Wilkie, D., Lyon D., Lynch Kelly, D., Stechmiller, J. (2021). The multidimensional pain report from older adults with chronic venous leg ulcers. *2021 Wound Healing Society Virtual Meeting*. Poster#21-A-71-WHS, May 11-15, 2021.
- Mead L, **Lynch Kelly, D.L.**, Irizarry Gatel, V., Coleen, J., Wingard, J. R., & Farhadfar, N. (2021). Physical Activity Levels of Long-Term Hematopoietic Stem Cell Transplant Survivors. *2021 Transplantation & Cellular Therapy Meetings*. Poster#463, January 29, 2021 (Virtual meeting).
- Lyon, D.E., Cohen, R., Gullett, J., Fieo, R., **Lynch-Kelly, D. L.**, Starkweather, A. Jackson-Cook, C. Fatigue Among Women with Breast Cancer: Longitudinal Relationship to Cognitive Performance, Chemotherapy and Clinical Factors, MASCC, IOO, Annual Meeting of Supportive Care in Cancer, Vienna, Austria. June 28-30, 2018.
- Lynch Kelly, D. L.**, Lyon, D., Garvan, C., & Wingard, J. (2016). Associations among Inflammation, Perceived Stress, and Lifestyle Behaviors of Individuals with Chronic Graft-versus-Host Disease (cGVHD) following Allogeneic Blood and Marrow Transplantation. 2016 Blood and Marrow Tandem Meeting; Honolulu, HI; February 18-22, 2016.

Invited Presentations

- Lynch Kelly, D. L.** (2023). Neurocognitive Dysfunction Intersectionality TCT and COVID-19: Biobehavioral Implications of Covid-19 for Transplantation and Cellular Therapy Recipients. Transplant and Cellular Therapy Meeting. Orlando, FL; February, 14-16, 2023.
- Lynch Kelly, D. L.** (2021). The Biological Basis for the Clustering of Symptoms. Transplantation & Cellular Therapy Meeting. February 9, 2021. (Virtual meeting).
- Farhadfar N, Gharabieh ZR, Mead L, Wang G, Jobin C, Lyon D, Dahl W, Wingard JR, **Lynch Kelly, D. L.** Gut microbiota associated with persistent fatigue in hematopoietic stem cell transplant survivors. Transplantation & Cellular Therapy Meeting. February 9, 2021. (Virtual meeting)
- Lynch Kelly, D. L.,** & Buchbinder, D. (2017). Neurocognitive Dysfunction in Hematopoietic Cell Transplant Recipients: Recommendations from the Late Effects and Quality of Life Working Committee of CIBMTR and EBMT. 2017 Blood and Marrow Tandem Meeting, Orlando, FL; February 22-26, 2017.

National Presentations**Refereed Papers**

- Winders, S., Lyon, D.E., Lynch Kelly, D., & Weaver, M.T. (2022, June). Exploring the relationship between sleep and wound healing status over time in older adults with chronic venous leg ulcers (CVLUs) Summer Institute on Symptoms and Omics (SISO) Virtual Conference.
- Winders, S., Lyon, D.E., Stechmiller, J., Garrett, T. J., Weaver, M.T., Kim, J., & Lynch Kelly, D. (2022, April). *Serum metabolic profiles associated with healing vs. non-healing in chronic venous leg ulcers.* Wound Healing Society Annual Meeting, Phoenix, AZ, United States.
- Lynch Kelly, D. L.,** Lyon, D., Garvan, C., & Wingard, J. (2016, February). Lifestyle Behaviors, Inflammation and Perceived Stress of Individuals with Chronic Graft-versus-Host Disease (cGVHD) following Allogeneic Stem Cell Transplantation. Oncology Nursing Society Conference; San Antonio, TX

Refereed Posters

- Farhadfar, N., **Lynch Kelly, D.,** Mead, L., Nair, S., Brown, R., Hiemenz, J., . . . Dahl, W., (2019, December). Diet quality of long-term allogeneic and autologous stem cell transplant (HCT) survivors. 62nd American Society of Hematology Conference and Exposition 2019; San Diego, CA.
- Menzies, V., Starkweather, A., Yao, Y., Thacker, L. R., Garrett, T., Swift-Scanlan, T., **Lynch Kelly, D. L.,** . . . Lyon, D. E. (2019, November). Metabolomic and symptom comparison in women with/without fibromyalgia: A pilot study. 2019 American College of Rheumatology/ American Rheumatology Professionals Annual Meeting; Atlanta, GA.
- Farhadfar, N., Gharabieh, R., Wingard, J., Lyon, D. E., Weaver, M., Jobin, C., Wang, G., & **Lynch Kelly, D. L.** (2018, November). Decreased abundance of *Faecalibacterium prausnitzii*, an anti-inflammatory commensal bacterium, in chronic graft-versus-host disease. American Society of Hematology Conference 2018; San Diego, CA.
- Lynch Kelly, D.,** Yoon, S., Kim, J., & Lyon, D. (2018, May). Comorbid conditions in individuals diagnosed with GI cancer: Predictors of increased mortality. Oncology Nursing Society 43rd Annual Congress, Washington, DC.
- Yoon, S., Kim, J. A., **Lynch Kelly, D.,** George, T., & Lyon, D. (2018, May). Impact of cachexia in patients with gastrointestinal (GI) cancer on overall survival. Oncology Nursing Society 43rd Annual Congress, Washington, DC.
- Kim, J.A., **Lynch Kelly, D.,** Lyon, D., & George, T., & Yoon, S. (2018). Influence of cachexia and biologic markers on survival in patients with pancreatic cancer compared to colorectal cancer. Oncology Nursing Society 43rd Annual Congress; Washington, DC.
- Lynch Kelly, D. L.,** Lyon, D., Ameringer, S., Elswick, R. & McCarty, J. (2014, September). Symptoms, Cytokines, and Quality of Life of Patients with Chronic Graft-versus-Host Disease following Allogeneic Hematopoietic Stem Cell Transplantation. Council for the Advancement of Nursing Science Conference 2014 State of the Science Congress on Nursing Research, Optimizing Health by Addressing Complexity; Washington, DC .
- Lyon, D., Elswick, R., **Lynch Kelly, D. L.,** Alhareen, A., & Jackson-Cook, C. (2014, September). The relationship of Chromosome Specific Telomere Length in Women with Breast Cancer to Chemotherapy and Acquired Psychoneurological Symptoms. Council for the Advancement of Nursing Science Conference 2014 State of the Science Congress on Nursing Research, Optimizing Health by Addressing Complexity; Washington, DC.
- Alhareeri, A., Lyon, D., Elswick, R.K., **Lynch-Kelly, D. L.,** & Jackson-Cook, C. (2014, May). Chromosomal-Specific Telomere Length in Women with Breast Cancer: Their Relationship to Chemotherapy and Acquired Psychoneurological Symptoms. The 43rd Biennial American Cytogenetics Conference; Ashville, NC.
- Aboalela, N., Lyon, D., Elswick, R.K., York, T.P., **Lynch Kelly, D. L.,** Jackson-Cook, C. (2014, May). Acquired Epigenetic/Chromosomal Changes in Women with Breast Cancer Are Associated with Chemotherapy and the Acquisition/Persistence of Psychoneurological Symptoms. The 43rd Biennial American Cytogenetics Conference; Ashville, NC.

Invited Presentations

- Lynch Kelly, D. L.** (2018, November). Foundations for the Self-Management of Psychoneurologic Symptoms in Hematopoietic Cell

Transplantation (HCT) Survivors. The University of Connecticut Center for Advancement in Managing Pain Symposium, Pain Management: Innovations in Research and Practice; Storrs, CT.
Other

Regional Presentations:

Refereed Papers

Lynch Kelly, D. L. (2015, February). Strategies for Recruitment of Vulnerable Populations in Biologic Research. 28th Annual Conference of the Southern Nursing Research Society, Tampa, FL.

Refereed Posters

Lynch Kelly, D., Yoon, S., Kim, J. & Lyon, D., (2018, March). Comorbid conditions predictive of mortality among individuals diagnosed with gastrointestinal (GI) cancer. Presented March 2018 at the Southern Nursing Research Society (SNRS) 32nd Annual Conference, Atlanta, GA.

Yoon, S., **Lynch Kelly, D.,** Kim, J., Lyon, D., & George, T (2018, March). Trajectory of weight loss in patients with gastrointestinal (GI) cancer based on BMI and type of cancer. Presented March 2018 at the Southern Nursing Research Society (SNRS) 32nd Annual Conference, Atlanta, GA.

Lynch Kelly, D. L., Lyon, D., Garvan, C., & Wingard, J. (2016, February). Lifestyle Profile, Perceived Stress, and Inflammation of Chronic Graft-versus-Host Disease. 30th Annual Conference of the Southern Nursing Research Society; Williamsburg, VA.

Yoon, S., **Lynch Kelly, D. L.,** George, T. J., & Garvan, C. (2016, February). Biological correlates and mortality in individuals with gastrointestinal cancer. 30th Annual Conference of the Southern Nursing Research Society; Williamsburg, VA.

Lynch Kelly, D. L. & Lyon, D.E. (2014, February). Symptoms, Cytokines, & Quality of Life Profiles of Patients with Chronic Graft-Versus-Host Disease: A Cross-Sectional Study. Southern Nursing Research Society Conference, 2014 Annual Conference.

Lynch Kelly, D. L., Poulouse, S., Mohanraj, L., & Lyon, D.E. (2013, February). Lifestyle Differences between African American and Caucasian Women Diagnosed with Early Stage Breast Cancer. Southern Nurses Research Society Conference, 2013 Annual Conference; Little Rock, AR.

Lynch Kelly, D. L., & Lyon, D.E. (2012, February). Cytokine Levels in Patients with Chronic Graft-Versus-Host Disease: An Integrative Review. Southern Nurses Research Society Conference, 2012 Annual Conference; New Orleans, LA

Chaber, D., **Lynch Kelly, D. L., & Lyon, D.E.** (2010, February). Biological Correlates of Mindfulness Meditation. Southern Nursing Research Society, 2010 Annual Conference; Austin TX.

Invited Presentations

State Presentations:

Refereed Papers

Refereed Posters

Invited Presentations

Stacciarini, J. M., & **Lynch Kelly, D. L.** (2021, April). Diversity in the Nursing Curriculum. University of Florida College of Nursing, Panel Discussion, 2021; Gainesville, FL.

Lynch Kelly, D. L. & Lyon, D.E. (2013, November). Engaging Patients in Clinical Trials: An Update of Study Progression. Riverside Oncology Nursing Conference, 2013 Annual Conference; Newport News, VA.

Lynch Kelly, D. L. & Lyon, D.E. (2012, November). Advancing Symptom Management Research: An Overview of Two Clinical Trials. Riverside Oncology Nursing Conference, 2012 Annual Conference; Newport News, VA.

Local Presentations:

Refereed Papers

Refereed Posters

Lynch Kelly, D. L., Starkweather, A. S., Samami, E. K., Langer, K., Cohen, R., Weaver, M., & Lyon, D. E. (2023, March). Longitudinal Examination of Symptoms and C-Reactive Protein Correlates of Neurocognitive Dysfunction following Hematopoietic Cell Transplantation (HCT). Florida Science Academy 86th Annual Meeting; Lakeland, FL.

Invited Presentations

CONTRACTS AND GRANTS:

a. Funded Externally

<u>Effective Dates</u>	<u>Role, Project Title, Funding Agency, Amount</u>
04/01/2018-01/31/2023	Co-I, Biobehavioral mechanisms underlying symptoms and healing outcomes in older individuals with CVLU, R01 (5R01NR016986-03) NIH/NINR \$4,200,000.00 (10%)
09/28/2018-07/31/2021	PI, Developing the Biobehavioral Foundation for Self-Management of Psychoneurological Symptoms in Hematopoietic Cell Transplant (HCT) Survivors, R21 (R21NR017749) NINR/NIH \$419,375

08/01/2018-08/31/2019	PI , Exploring Biomarkers of Wound Pain and Wound Healing, National Institutes of Health/National Institute of Nursing Research, (Contract) \$31,787.00
01/16/2017-01/15/2018	PI , Relationship of Mitochondrial Enzymes with Cancer-Related Fatigue, National Institutes of Health/National Institute of Nursing Research, (Contract) \$27,958.00
08/05/2015-01/15/2017	PI , Relationship of Mitochondrial Enzymes with Cancer-Related Fatigue, National Institutes of Health/National Institute of Nursing Research, (Contract) \$9,000.00
04/2014-04/2016	Co-I, Epigenetics and Psychoneurologic Symptoms in Women with Breast Cancer, National Institute of Nursing Research, National Institute of Nursing Research (R01 NR012667; Debra E. Lyon, PI), \$3,368,295.00
09/2012-05/2014	Student Investigator, Symptoms, Cytokines and Quality of Life of Individuals with Chronic Graft-versus-Host Disease following Allogeneic Hematopoietic Stem Cell Transplantation, Stokes Doctoral Fellowship (Suzanne Ameringer, PI), \$12,000.00

b. Funded Internally

<u>Effective Dates</u>	<u>Role, Project Title, Funding Agency, Amount</u>
01/2023-06/2024	Site PI , Comprehensive Outcomes for After Cancer Health (COACH): The Feasibility and Impact of an mHealth Augmented Coaching Program for Self-Management in Cancer Survivors. A multi-site national collaboration to examine to understand the experiences of individuals following completion of primary treatment.
09/2022-09/2023	MPI , Feasibility of Implementation of a Patient Reported Symptom Assessment and Proactive Telephone Triage to Reduce Emergency Department and Inpatient Admissions in Adult Oncology Patients Receiving Chemotherapy: A Nurse Led Initiative, CON 4,250.00
07/2019-12/2020	MPI , A pilot study using metabolomics to identify the tryptophan (TRP) L-Kynurenine (KYN) metabolic pathway as a biomarker of healing vs. non healing chronic venous leg ulcers symptom phenotypes in older adults, CON \$12,000.00
12/2017-12/2019	MPI , Foundations for a Targeted Dietary Intervention to Mitigate Dysbiosis and Persistent Fatigue for Survivors of Allogeneic Hematopoietic Cell Transplantation (HSCT), UFHCC, \$49,459.00
07/2017-12/2018	Co-Investigator, Evaluation of Nutrient Intake and Diet Quality in Allogeneic and Autologous Hematopoietic Stem Cell Transplant Survivors UL1TR001427 NIH/NCATS; Nosha Farhadfar, PI) \$12,968.00
04/2017-04/2019	Co-investigator, Outcomes following Hematopoietic Cell Transplantation of Individuals Receiving a Neutropenic Diet Compared to a Standard Diet, UF Gatorade Foundation, (Hemant Murthy, PI) \$92,000.00
11/2016-11/2017	PI , Global Metabolomics in Chronic Graft-versus-Host Disease and Psychoneurologic Symptoms in Survivors of Allogeneic Hematopoietic Stem Cell Transplantation, University of Florida College of Nursing, \$12,060.00
12/2014-12/2016	PI , Comparison of the Fecal Microbiome, Peripheral Inflammatory Markers, and Symptoms in Individuals Discordant for Chronic Graft-versus-Host Disease, Institutional Research Grant: American Cancer Society (01-188-07), \$30,000.00
10/2014-04/2016	MPI , Biobehavioral Predictors of Persistent Post-surgical Pain in Women Undergoing Breast Cancer Treatment, Clinical and Translational Science Institute Award to the University of Florida (UL1 TR00006; NIH/NCATS; Ann Horgas, Co-PI), \$25,639.00

c. Submitted but Not Funded or Pending

<u>Effective Dates</u>	<u>Role, Project Title, Funding Agency, Amount</u>
July 2023	PI , Individualized Dietary Engagement and Action to Promote Quality of Life following Autologous Hematopoietic Cell Transplantation (IDEAL), National Cancer Institute (R01: 1R01CA289525-01), \$3,604, 000.00 (pending)
June 2020	PI , Chronological and Epigenetic Age Disparities of Individuals Undergoing Allogeneic Hematopoietic Cell

Transplantation and Associations among Mortality, Comorbidities, and Quality of Life, National Institute for Nursing Research (R21: 1R21NR019897-01), \$425,344.00 (not discussed)

- October 2018 **Co-Investigator**, A Phase III, Randomized Clinical Trial Comparing Two Diets in Patients Undergoing Hematopoietic Stem Cell Transplant (HSCT) or Remission Induction Chemotherapy for Acute Leukemia/Myelodysplastic Syndrome, National Cancer Institute (R01), \$1,500,000.00 (score 43)
- February, 2017 **PI**, Developing the Biobehavioral Foundation for Self-Management of Psychoneurological Symptoms in Hematopoietic Cell Transplant (HCT) Survivors, National Institute of Nursing Research (R21), \$275,000.00 (score 28)
- November, 2015 **Pilot Project Principal Investigator**, Diet, Gut Microbiota, Inflammation, Pain and Cognitive/ Affective Symptoms in Hematopoietic Cell Transplant Survivors: Foundations for a Self-Management Intervention, National Institute of Nursing Research (1P20NR016597-01), Pilot Project Total: \$93,748.00; Center Total: \$1,249,995.00

Collaborative research unfunded

<u>Effective Dates</u>	<u>Role, Project Title, Funding Agency, Description of Work</u>
October, 2018-Present	Co-Investigator , A Phase III, Randomized Clinical Trial Comparing Two Diets in Patients Undergoing Hematopoietic Stem Cell Transplant (HSCT) or Remission Induction Chemotherapy for Acute Leukemia/Myelodysplastic Syndrome. (ongoing).
05/2017-05/2019	Co-investigator , Neuroinflammation and Cognitive Dysfunction in Older Women with Breast Cancer; Older women (>60 years of age) with breast cancer may be biologically at higher risk for cognitive dysfunction than younger women. Research supports relationship between inflammation and cognition. Neuroimaging provides novel methods for measuring neuroinflammation. This study will examine the neuroimaging, inflammation and cognitive function relationships of older women with breast cancer. Results may lead to identification of subgroups likely to be at highest risk for cognitive decline. (closed)
02/2017-02/2020	Co-investigator ; A Non-interventional Study Exploring Quality of Life in Multiple Myeloma According to Treatment following Autologous Stem Cell Transplant; To describe the health-related quality of life of MM patients by treatment following autologous stem cell transplant.
01/2016-01/2019	Co-investigator ; Neuroinflammation and cognitive dysfunction in older women with breast cancer; To examine correlates of neuroinflammation using fMRI and peripheral markers of inflammation. (closed)

GOVERNANCE AND SERVICES:

International

<u>Date</u>	<u>Role, Title</u>
September, 2014- Present	Center for International Bone Marrow Transplant, Late Effects Working Group, Member
April, 2018-Present	Center for International Bone Marrow Transplant and American Society of Transplant and Cellular Therapy Late Effects Patient Reported Outcome and Quality of Life Special Task Force, Member

National

<u>Date</u>	<u>Role, Title</u>
June 2022-Present	American Society of Transplant and Cellular Therapy, Palliative Care Special Interest Group, Steering Committee member
February 2021-Present	American Society of Transplant and Cellular Therapy, Biobehavioral Special Interest Group, Steering Committee, Chair
February 2020-February 2021	American Society of Transplant and Cellular Therapy, Biobehavioral Special Interest Group, Steering Committee, Vice Chair
March 2019-Present	Leukemia and Lymphoma Society Speaker
February 2019-May 2022	American Society of Transplant and Cellular Therapy, Biobehavioral Special Interest Group, Steering Committee, Member
May 2017-February 2023	American Society of Transplant and Cellular Therapy, Survivorship Interest Group, Steering Committee, Member

Regional

December 2009- Present Southern Nursing Research Society, Biobehavioral Research Interest Group, Member

December 2010- December 2011 Southern Nursing Research Society, Membership Committee, Student State Liaison

State

Date Role, Title

Local

Date Role, Title

University of Florida

July 2015-July 2017 Faculty Marshal, Member

UF Health Science Center

Date Role, Title

August 2019- Present Data Safety and Integrity Committee, UF Health Cancer Center, member

January 2016- Present Cancer Population Science, Pilot Studies Core Group and Survivorship and Palliative Care Group, member

Present

UF College of Nursing

Date Role, Title

November 2018- 2019 PhD Program Review Task Force

July 2018-March 2021 Academic Affairs Committee, Chair

December 2017- June 2018 Curriculum Transformation Team, Co-Leader (Specialty Core Course Development)

May 2017- Present Curriculum Course Coordinator (Adult Health Medical-Surgical Course: NUR 4739, Systems of Care 3)

May 2017- August 2017 Realignment Task Force, Leader (Adult Health Medical-Surgical courses)

October 2016- Present UF CON Search Committee

October 2016- October 2017 UFCON Innovation Task Force, Member

October 2016- October 2017 BSN Task Force, Member

July 2016-July 2018 Academic Affairs Committee, Member

May 2016 RN to BSN Portfolio Review Working Group, Leader

March 2016 PhD Student Evaluation Policy Review Group, Leader

July 2015- Present Reviewer for Selection of the CON Care, Lead, Inspire Student Awards

Other

Date Role, Title

None

CONSULTATIONS OUTSIDE THE UNIVERSITY:

Date Agency, Project

May 2019 Leukemia and Lymphoma Society, Speaker presentation for cancer survivors: Cancer Survivorship: Living through and beyond Cancer

March 2019 Leukemia and Lymphoma Society, Speaker presentation for cancer survivors: Surviving the Cure: Living Well after Cancer Treatment

EDITOR/EDITORIAL ADVISORY BOARD/REVIEWER:

<u>Date</u>	<u>Role, Journal</u>
2020-Present	Associate Editor, <i>Psychoneuroimmunology Journal</i>
2020-2022	Associate Editor, <i>Oncology Nursing Forum</i>
2017-Present	Reviewer, <i>Blood</i>
2017- Present	Reviewer, <i>Blood and Marrow Transplantation</i>
2016- Present	Reviewer, <i>World Journal of Transplantation</i>
2011- Present	Reviewer, <i>Clinical Journal of Oncology Nursing</i>

CLINICAL SERVICE/PRACTICE:

<u>Date</u>	<u>Role, Agency</u>
N/A	

MEMBERSHIPS AND ACTIVITIES IN THE PROFESSION:

<u>Date</u>	<u>Organization, Role</u>
2019-Present	American Academy of Nursing
2017-Present	American Society of Transplant and Cellular Therapy, Member
2015-Present	University of Florida Southeast Center for Integrative Metabolomics, Affiliate Scientist
2015-Present	University of Florida Institute on Aging, Affiliate Scientist
2015-Present	University of Florida Pain Research and Intervention Center of Excellence, Affiliate Scientist
2014-Present	University of Florida Health Cancer Center, Affiliate Scientist
2014-Present	Center for International Blood and Marrow Transplantation, Affiliate Scientist
2014-Present	American Nurses' Association/ Florida Nurses' Association, Member
2011-Present	Council for the Advancement of Nursing Science, Member
2010-Present	Oncology Nursing Society, Member
2009-Present	Southern Nursing Research Society, Member
1994-Present	Sigma Theta Tau, Member

HONORS:

<u>Date</u>	<u>Award/Honor</u>
2023	Florida Nursing Association Research Icon Award
2023	Florida Academy of Science Research Award (nominated)
2023	AACN Elevating Leaders in Academic Nursing Fellow
2019	Fellow American Academy of Nursing
2019	University Term Assistant Professor
2018	Dr. Molly Dougherty and Mr. Edmund Dougherty UF College of Nursing Faculty Research Enhancement Fund
2018	Loan Repayment Program Award, National Institute of Nursing Research at the National Institutes of Health
2016	Swiss PhD Platform in Nursing Science Education
2016	NINR "Precision Health: From 'Omics to Data Science" Boot Camp
2015	NINR "Symptoms and Big Data" Boot Camp
2014	Recipient of the Stokes Doctoral Fellowship Award
2013	NINR "Fatigue/Sleep Methodologies" Boot Camp

The University of Memphis Board of Trustees

Recommendation for Approval

Date: June 5, 2024

Committee: Academic and Student Affairs Committee

Presentation: Tenure Upon Appointment as Associate Professor, School of Public Health
Dr. Maryam Karimi (Recommendation for Approval)

Presented by: Dr. David Russomanno, Executive Vice President for Academic Affairs and Provost

Background:

Dr. Karimi has an exceptional and sustained record of research, teaching, and mentorship. She currently holds a joint appointment at University of Alabama – Birmingham as an Assistant Professor in the Department of Health Sciences and as Assistant Professor in the Department of Civil, Construction and Environmental Engineering. In addition, she holds an administrative role as the Associate Director of Public Health and Environmental Sustainability, Department of Environmental Health Sciences; The Sustainable Smart Cities Research Center at UAB.

She has been published in more than 30 peer-reviewed journals and she has been first or senior author in 16 publications. She has authored or co-authored three book chapters. Her scholarly and professional record is indicative of her capacity to build and maintain long-lasting partnerships. She has provided mentorship and support for students at all levels through her career.

The School of Public Health's Tenure and Promotion committee has reviewed Dr. Karimi's research, teaching, and service activities and the committee agrees with this recommendation.

Recommendation:

The Academic and Student Affairs Committee recommends approval of tenure for Dr. Karimi as Professor upon her appointment in the School of Public Health.

TIMELINE ADJUSTMENT FOR PROMOTION AND/OR TENURE

(formerly known as "Tenure Reduction Form")

FACULTY INFORMATION

NAME: Maryam Karimi **U-NUMBER:** U00123456

FIRST MIDDLE LAST

COLLEGE/SCHOOL: School of Public Health

DEPARTMENT: School of Public Health

PLEASE CHECK ONE (1):

- ☒ **TENURE UPON APPOINTMENT****
- ☐ **PROMOTION TIMELINE** **TIMELINE REDUCTION** _____ **YEAR(S)**
- ☐ **TENURE TIMELINE *** **TIMELINE REDUCTION** _____ **YEAR(S)**
- ☐ **TENURE & PROMOTION TIMELINE *** **TIMELINE REDUCTION** _____ **YEAR(S)**

* WILL THIS REDUCTION RESULT IN A CHANGE IN THE INDIVIDUAL'S MID-TENURE REVIEW TIMING? ☐ YES ☐ NO

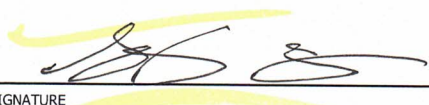
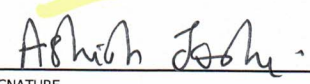
IF YES, INDICATE THE ADJUSTED MID-TENURE YEAR: _____
(YEAR ONLY – 20XX)

JUSTIFICATION REQUIRED


PLEASE SUBMIT YOUR CV AND JUSTIFICATION, ALONG WITH THIS FORM TO PROVOST@MEMPHIS.EDU.

**Please reference [Section 4.9.3A in the Faculty Handbook](#) regarding procedures for Tenure Upon Appointment

RECOMMEND APPROVAL

		RECOMMENDED
	04/23/2024	<input checked="" type="checkbox"/> YES
CHAIR SIGNATURE	DATE (MM/DD/YYYY)	
	04/23/2024	<input checked="" type="checkbox"/> YES
DEAN SIGNATURE	DATE (MM/DD/YYYY)	

APPROVAL

		APPROVED
	04/23/2024	<input checked="" type="checkbox"/> YES
PROVOST SIGNATURE	DATE (MM/DD/YYYY)	

*ADJUSTED TENURE AND/OR PROMOTION APPLICATION:

*COMPLETED BY PROVOST

(SEMESTER)

(YEAR – 20XX)



School of Public Health
236 Robison Hall
Memphis, Tennessee 38152-3370

Office: 901-678-1706
Fax: 901-678-0372

www.memphis.edu/sph

Memorandum

To: Dr. Bill Hardgrave, President University of Memphis
From: Dr. Ashish Joshi, Dean School of Public Health
Date: April 23, 2024
Re: Tenure on appointment for Dr. Maryam Karimi

This memo is to request that Dr. Maryam Karimi be granted tenure on appointment as Associate Professor, Environmental Health, School of Public Health. This request is based on her exceptional and sustained record of research, teaching, and mentorship. I have attached the recommendation from the School of Public Health's Tenure and Promotion Committee to support this request.

Dr. Karimi is an Assistant Professor and Associate Director of Public Health and Environmental Sustainability, Department of Environmental Health Sciences; The Sustainable Smart Cities Research Center at the University of Alabama Birmingham and has been an Associate Scientist, UAB Center for Community Health since 2023. She has a joint appointment as Assistant Professor, Department of Civil, Construction and Environmental Engineering, UAB.

She has a proven track record of innovative research. She is a patent holder for An Innovative Real-Time Environmental Exposure and Respiratory Health Assessment, Connecting Environment, Patients and Health Care Providers. Her research portfolio total is approximately \$8.2 million and includes awards from various funders including the USDA and the National Science Foundation.

She has been published in more than 30 peer-reviewed journals and she has been first or senior author in 16 publications. She has authored or co-authored three book chapters. Her scholarly and professional record is indicative of her capacity to build and maintain long-lasting partnerships.

Dr. Karimi is supportive of students and has provided engaging and meaningful mentorship. She has served on the dissertation committees for several doctoral candidates and she has provided financial support through graduate assistantships on her funded research projects. She has mentored undergraduate and high schools students while at UAB, Rowan University and City University of New York.

Dr. Karimi has provided email confirmation from University of Alabama-Birmingham confirming that she has been recommended for tenure and promotion to Associate Professor. I have attached the committee recommendation from the University of Memphis School of Public Health tenure and promotion committee to support my request of the same.

I request your approval of her tenure on appointment.

**The University of Memphis
School of Public Health**

Memorandum

Date: April 18, 2024

From: Hongmei Zhang, PhD, Chair, School of Public Health Promotion and Tenure (P&T) Committee

P&T Committee Members: Drs. Chunrong Jia, Yu Jiang, Satish Kedia, Marian Levy, Fawaz Mzayek, Latrice Pichon, Meredith Ray, Matthew Smeltzer, Yong Yang, Xinhua Yu, Hongmei Zhang.

To: Dr. Ashish Joshi, PhD, MBBS, MPH, Dean

Re: Committee Report of Dr. Maryam Karimi' appointment with Associate Professor and tenure

The School of Public Health P&T Committee reviewed Dr. Maryam Karimi' teaching, research, and service and assessed her qualification for offering Associate Professor with tenure upon appointment.

Currently, Dr. Karimi is an Assistant Professor in the Department of Environmental Health Sciences of the School of Public Health at the University of Alabama, Birmingham (UAB). She has a joint appointment with the Department of Civil, Construction and Environmental Engineering at UAB. Dr. Karimi is the Associate Director of Public Health and Environmental Sustainability at the Sustainable Smart Cities Research Center of UAB. Before she joined UAB in 2019, she was a post-doctoral fellow in the Mailman School of Public Health at the Columbia University.

Thus far, Dr. Karimi has published 32 peer-reviewed articles in scientific journals since 2014. She also has experience in securing research funds from external agencies. Dr. Karimi has teaching experience closely related to environmental health, one discipline in the School of Public Health (SPH) at the University of Memphis. Dr. Karimi has served on different committees at all levels.

After reviewing, of the 11 committee members, eight voted Yes for tenure and promotion to Associate Professor, of which one had a concern of fitness to the research areas in SPH. For the remaining three members, two abstained due to lack of information to evaluate the candidate's qualification, and one requested more information to evaluate the qualification of the candidate.

MARYAM E. KARIMI, PhD, MPA, MS

Assistant Professor and Associate Director of Public Health and Environmental Sustainability
Department of Environmental Health Sciences; The Sustainable Smart Cities Research Center (SSCRC)
1665 University Blvd, Birmingham, AL 35294; Phone: (205) 934-7060, Email: karimi@uab.edu

Current Positions

Assistant Professor – Department of Environmental Health Sciences, School of Public Health, UAB
Associate Director of Public Health and Environmental Sustainability, The Sustainable Smart Cities Research Center (SSCRC), UAB
Assistant Professor, Department of Civil, Construction and Environmental Eng., UAB (Joint Appointment)

Education

2017- 2019 Columbia University, Mailman School of Public Health, Postdoctoral Fellow
2012-2017 The Graduate Center of CUNY- Ph.D. in Earth and Environmental Science
2010-2012 The Graduate Center of CUNY, M.S. in Earth and Environmental Science
2006-2010 The Baruch College of CUNY, MPA in Public Administration and Policy
2002-2006 John Jay College of CUNY, BA in International Criminal Justice

Faculty Appointments

2020- Faculty- Lung Health Center, UAB
2019- Assistant Professor, Department of Environmental Health Sciences, UAB School of Public Health, UAB
2019- Faculty, Department of Civil, Construction and Environmental Eng., UAB
2015- 2019 Visiting Assistant Professor, Rowan University
2011-2016 Adjunct Professor, City University of New York
2014-2016 Affiliated Faculty at CUNY, Geospatial Center of the CREST Institute

Scientific Appointments and Positions

2023- Associate Scientist, UAB Center for Study of Community Health
2021- Associate Director of Public Health and Environmental Sustainability, Sustainable Smart Cities Research Center, UAB
2021-Founder and Chief Technology Officer (CTO), CanAiry, LLC.
2015-2016-Research Lead, Earth Institute of Columbia University
2011-2016-Research Assistant, NOAA Crest Institute of the City College of New York
2014-2015-NSF-REU Student Mentor, NOAA Crest Institute of the City College of New York

Patents

Inventor: An Innovative Real-Time Environmental Exposure and Respiratory Health Assessment, Connecting Environment, Patients and Health Care Providers ID: FWA00005960

Awards and Fellowships

2021 Delta Omega Honor Society, Upsilon Chapter of UAB- recognized for excellence in leadership, scholarship, research and service in public health.
2021 Exceptional Performance Award, SOPH, UAB
2016- 2018 Awarded Postdoctoral scholarship from the National Institutes of Health (NIH), Mailman School of Public Health, Columbia University
2011-2015 NOAA-CREST full scholarship, City University of New York
2012-2014 Two years scholarship by Alfred P. Sloan Foundation, PhD Program
2011 Fellowship, The Earth Science and Environmental Sustainability Program, The City University of New York

Nominations

-Senior Scientist, Center Scholar for the UAB, Center for the Study of Community Health, one of 26 Prevention Research Centers (PRCs), the UAB Center for the Study of Community Health, Feb 2023

-Dean Nomination, UAB Delegation to the United Nations 2023 Water Conference, New York, NY, April 2023

Research Interest

Urban Heat Island, Climate Change Impact on Environment and Human Health, urban heat mitigation strategies, mitigation strategies for dealing with urban heat and air quality, Air pollution exposure and increased risk of COPD exacerbation and asthma attacks, Flood Resiliency Modeling and Planning Application of Remote Sensing in Environment; Water, Environment Systems and Public Health, Landfill Monitoring and Management, vulnerability to flooding and water pollution.

1. Current Research Funded

Total Awarded Funding: \$8,227,349

1. United States Department of Agriculture (USDA), Solid Waste Management Impact on Soil-Water Resources Across the Underserved Rural Communities of Black-Belt and the Deep South of Alabama and Mississippi. Maryam Karimi (**PI**), October 1st 2023- September 30th 2025, \$191,900
2. SSCRC Pilot Program- UAB; Addressing Urban Heat Mitigation, Health, Equity and Climate Change Issues in Birmingham, Alabama, Maryam Karimi (**PI**), September 2023-August 2024, \$25,000
3. United States Department of Agriculture (USDA) NIFA: Catalyzing Local Food Value Chain Development through a Cross-functional Alliance and Economic Investment in Birmingham, Alabama, Maryam Karimi (**Co-PI**), July 1st, 2023 – June 30st, 2027, \$1,000,000
4. National Science Foundation (NSF), I-Corp: CanAiry: An Innovative Technology for Environmental Exposure and Respiratory Response Assessment, Maryam Karimi (**PI**), July 2022- August 2024, \$50,000
5. National Science Foundation (NSF), FII Track-2 FEC: Facilitating Ubiquitous Technology Utilizing Resilient Eco-friendly Sensors, Maryam Karimi (**Co-PI**), November 1st, 2022 – October 31st, 2026, \$6,000,000
6. United States Department of Agriculture (USDA), Development of Multi-Scale Non-Invasive In Situ and Remote Sensing Techniques for Proactive Waste Management: Demonstration and Training, Maryam Karimi (**Co-PI**), October 1st 2023 - September 30st 2025, \$210,449
7. United States Department of Agriculture (USDA), Development of Multi-Scale Non-Invasive In Situ and Remote Sensing Techniques for Proactive Waste Management: Demonstration and Training, Maryam Karimi (**Co-PI**), October 1st 2022 - September 30st 2024, \$250,000
8. The National Academies' of Science and Engineering, Gulf Research Program (GRP), Coastal Communities Knowledge Development and Technical Assistance, Maryam Karimi (**Co-PI**), January 2022-December 2025, \$450,000
9. US EPA, Modelling Outdoor Comfort with UAV-based Digitization Technique and a Comfort Tracking System for Underserved Communities. Maryam Karimi (**PI**), August 1st, 2023 – July 31st, 2025, \$25,000

10. US EPA, Urban water pollution extent and impact on the Village Creek in Birmingham, AL – Analysis and Mitigation strategies. Maryam Karimi (PI), August 1st, 2023 – July 31st, 2025, \$25,000

2. Completed Research

11. The Lung Health Center Pilot Program- (UAB), An Innovative Real-Time Environmental Exposure Assessment, Connecting Patients and Health Care Providers, Maryam Karimi (PI), 05/2021- 12/2022, \$40,000
12. FGDP-UAB, Quantifying the coupled impact of urban heat island and air pollution on Birmingham, Maryam Karimi (PI), 05/2021- 12/2022, \$10,000
13. BOE- UAB, Developing a Framework for Infectious Disease Transmission and Spread using SARS, MERS and COVID-19 Data, Maryam Karimi (PI), 05/2020- 04/2021, \$10,000
14. USDA, Title: Development of Multi-Scale Non-Invasive In Situ and Remote Sensing Techniques for Proactive Waste Management: Demonstration and Training, Maryam Karimi (Co-PI), \$191,774
15. NIH- NASA Develop, Applied Sciences Program, Modeling Near-Surface Air Temperature Profile of Complex Urban Systems Based on Land Surface Properties and Correlating On-Site and Satellite Data to Better Understand Temperature Profiles in Urban Microclimates, Maryam Karimi (PI), 2015-2016 \$30,000
16. NJDOT, Promoting Diversity and Multiculturalism with Emerging Technologies, Maryam Karimi (Co-PI), 2013- 2014, \$60,000
17. NYDOT, Federal Highway Administration (FHWA), Maryam Karimi (PI), 2013-2014, \$30,000

3. Pending

18. NIH- STTR, CanAiry: A Stand-Alone Wearable for Tracking Environmental Exposure and Evaluating Respiratory Response, Maryam Karimi (PI), 09/2024- 08/2025, \$365,500
19. NIH- R01, Epigenomic and neighborhood determinants of racial disparities in breast cancer outcomes, Maryam Karimi (Co-PI), 05/2024- 04/2028, \$3,500,000

Peer-Reviewed Journal Publication

*Graduate student co-authors

32 Total Publications, 16 first/senior author, 7 second author

1. Malekzadeha, S*, Balistb, J*, Abshirinic, E*, Nazari, R., **Karimi, M.**, Wilkes-Allemanne, J*, Alizadehf, J*, Salamatniag, A*, and Chehrazarh, F*, Multi-scale Solar Energy Development Spatial Modeling (case study: Sistan & Baluchestan Province), (*In Press*)
2. **Karimi, M.**, Rabbani Fahad, MD*, Sabrin, S*, and Nazari, R., Predicting Micro Scale Surface Temperatures in Complex Urban Settings, Accounting for Built Environment Impact, Sustainable Cities and Society, Elsevier (*In Press*)
3. Rabbani Fahad, MD*, Nazari, R., **Karimi, M.**, Quantifying the micro and macro scale flood damage and structural resiliency for the coastal communities under extreme storm events (*In Press*).
4. Museru, M*, Giglou, A*, Opare, K*, Nazari, R., and **Karimi, M.**, Advancing Flood Damage Modeling for Coastal Alabama Residential Properties: A Multivariable Machine Learning Approach, Science of Total Environment, Volume 907, 2024, 167872, ISSN 0048-9697, <https://doi.org/10.1016/j.scitotenv.2023.167872>

5. Giglou, A*, Nazari, R., Jazaei, F., and **Karimi, M.**, Numerical analysis of surface hydrogeological water budget to estimate unconfined aquifers recharge, Journal of Environmental Management, Volume 346, 2023, 118892, ISSN 0301-4797, <https://doi.org/10.1016/j.jenvman.2023.118892>.
6. Sabrin, S*, **Karimi, M.**, and Nazari, R., The cooling potential of various vegetation covers in a heat-stressed underserved community in the deep south: Birmingham, Alabama, Urban Climate, Volume 51, 2023, <https://doi.org/10.1016/j.uclim.2023.101623>
7. Wahid, F, Hindori-Mohangoo, A, Covert, H., **Karimi, M.**, Sabrin, S*, Shafer, M., Gokoel, A., Shankar, A, Zijlmans, W., Lichtveld, M., Wickliffe, J., Geographic differences in exposures to metals and essential elements in pregnant women living in Suriname, Journal Of Exposure Science And Environmental Epidemiology - Decision on Manuscript ID JESEE-22-4029, 2023, <https://doi.org/10.1038/s41370-023-00526-0>
8. Nazari Giglou, A*, Jazaei, F., Nazari, R., and **Karimi, M.**, Assessing the effects of increased impervious surface on the aquifer recharge through river flow network, a case study of Jackson, Tennessee, USA. The Science of the Total Environment: Volume 872, 2022, <https://doi.org/10.1016/j.scitotenv.2023.162203>
9. Sabrin, S*, **Karimi, M.**, and Nazari, R., Modeling heat island exposure and vulnerability utilizing earth observations and social drivers: A case study for Alabama, USA, Building and Environment, Volume 226, 2022, <https://doi.org/10.1016/j.buildenv.2022.109686>.
10. Rabbani, R*, Nazari, R., Motamedi, M.H., **Karimi, M.**, A Decision-Making Framework Integrating Fluid and Solid Systems to Assess Resilience of Coastal Communities Experiencing Extreme Storm Events, Reliability Engineering & System Safety, Volume 221, 2022, <https://doi.org/10.1016/j.ress.2022.108388>
11. Rabbani, F*, Zech, W., Nazari, R., and **Karimi, M.**, Developing a Geospatial Framework for Severe Occupational Injuries Using Moran's I and Getisord Gi Statistics for Southern United States, ASCE, Volume 23, Issue 3, 2022, [https://doi.org/10.1061/\(ASCE\)NH.1527-6996.0000566](https://doi.org/10.1061/(ASCE)NH.1527-6996.0000566)
12. **Karimi, M** and Nazari, R and Fahad, R* and Sabrin, S*, Impact of the Built Environment on Near Surface Temperatures in Complex Urban Settings, SSRN, 2022. <http://dx.doi.org/10.2139/ssrn.4181530>
13. Nazari, R., Vasiliadis, H., **Karimi, M.**, Rabbani, R*, Simon, S*, Zhang, T*, Sun, Q*, Peters, R., Hydrodynamic Study of the Impact of Extreme Flooding Events on Wastewater Treatment Plants Considering Total Water Level, Natural Hazards Review, Volume 23, Issue 1, 2022, [https://doi.org/10.1061/\(ASCE\)NH.1527-6996.0000531](https://doi.org/10.1061/(ASCE)NH.1527-6996.0000531)
14. Fifolt, M., Mooney, S., Nabavi, M., **Karimi, M.**, Nassel, A., and McCormick, L., Examining the built environment for healthy living via virtual street audits, Journal of Environmental Health Insights, 2022, <https://doi.org/10.1177/11786302221104653>
15. Rabbani Fahad, MD*, Nazari, R., **Karimi, M.**, Developing A Geospatial Framework for Coupled Large Scale Thermal Comfort and Air Quality Indices Using High-Resolution Gridded Meteorological and Station Based Observations, Sustainable Cities and Society, 2021, <https://doi.org/10.1016/j.scs.2021.103204>
16. Sabrin, S*, Zech, W., Nazari, R., And **Karimi, M.**, Understanding occupational heat exposure in the United States and proposing a quantifying stress index, International Archives of Occupational and Environmental Health, 2021, <https://doi.org/10.1007/s00420-021-01711-0>

17. Sun, Q*., Nazari, R., **Karimi, M.**, Rabbani Fahad, MD*., and Peters, R, Comprehensive Flood Risk Assessment for Wastewater Treatment Plants under Extreme Storm Events: A Case Study for New York City, United States, Appl. Sci. 2021, 11, 6694.
<https://doi.org/10.3390/app11156694>
18. Sabrin, S*., **Karimi, M.**, Rabbani Fahad, MD*., Uddin, A., Nazari, R., The Impact of Stay-At-Home Orders on Air-Quality and COVID-19 Mortality Rate in the United States, Urban Climate, 2021, <https://doi.org/10.1016/j.uclim.2021.100946>
19. Sabrin, S*., Nazari, R., **Karimi, M.**, Rabbani, MD*., Everett, J., and Peters, P. Development of a Conceptual Framework for Risk Assessment of Elevated Internal Temperature in Landfill, Science of the Total Environment, Elsevier, Science Direct, 782 (2021) 14683, doi: 10.1016, Volume 782, ISSN 0048-9697, 2021, <https://doi.org/10.1016/j.scitotenv.2021.146831>.
20. Sabrin, S*., **Karimi, M.**, Nazari, R., Pratt, J*., & Bryk, J*., Effects of Different Urban-Vegetation Morphology on the Canopy-level Thermal Comfort and the Cooling Benefits of Shade Trees: Case-study in Philadelphia. Sustainable Cities and Society, 66, 2021, <https://doi.org/10.1016/j.scs.2020.102684>
21. Sabrin, S*., Nazari, R., **Karimi, M.**, Everett, J., and Peters, R, Investigating Effects of Landfill Soil Gases on Landfill Elevated Subsurface Temperature, MDPI, Journal of Applied Sciences, 0, 10, 6401, 2021, <https://doi.org/10.3390/app10186401>
22. Nazari, R.; Alfergani, H.; Haas, F.; Karimi, M.E.; Fahad, M.G.R*.; Sabrin, S*.; Everett, J.; Bouaynaya, N.; Peters, R.W. Application of Satellite Remote Sensing in Monitoring Elevated Internal Temperatures of Landfills. Appl. Sci. 2020, 10, 6801. <https://doi.org/10.3390/app10196801>
23. Sabrin, S*., **Karimi, M.**, Rabbani Fahad, Md*., and Nazari, R, Quantifying environmental and social vulnerability: Role of urban Heat Island and air quality, a case study of Camden, NJ, Urban Climate, Volume 34, 2020, 100699, ISSN 2212-0955, 2020, <https://doi.org/10.1016/j.uclim.2020.100699>
24. Sabrin, S*., **Karimi, M.**, and Nazari, R., Developing Vulnerability Index to Quantify Urban Heat Islands Effect Coupled with Air Pollution: A Case Study of Camden, NJ, ISPRS International Journal of Geo-Information Manuscript. 9, 349, 2020, <https://doi.org/10.3390/ijgi9060349>
25. Sabrin, S*.; Nazari, R.; Fahad, M.G.R*.; **Karimi, M.**; Everett, J.W.; Peters, R.W. Investigating Effects of Landfill Soil Gases on Landfill Elevated Subsurface Temperature. Appl. Sci. 2020, 10, 6401. <https://doi.org/10.3390/app10186401>
26. Rabbani Fahad, MD*., Nazari, R., Motamedi, H*, and **Karimi, M.**, Coupled Hydrodynamic and Geospatial Model for Assessing Resiliency of Coastal Structures under Extreme Storm Scenarios, Journal of Water Resources Management, 34, 1123–1138, 2020, <https://doi.org/10.1007/s11269-020-02490-y>
27. Rabbani Fahad, MD*., Nazari, R., Bhavsar, P., Jalayer, M., and **Karimi, M.**, A decision-support framework for emergency evacuation planning during extreme storm events, Transportation Research Part D, Volume 77, Pages 589-605, ISSN 1361-9209, 2019, <https://doi.org/10.1016/j.trd.2019.09.024>
28. **Karimi, M.** Nazari, R. Dutovo, D*., Vant-Hull, B., Khanbilvardi, R., A Conceptual Framework for Environmental Risk and Social Vulnerability Assessment in Complex Urban Settings, Journal of Urban Climate, Elsevier, ISSN: 2212-0955, Journal of Urban Climate, Vol. 26, pp. 161-173, 2018, <https://doi.org/10.1016/j.uclim.2018.08.005>

29. **Karimi, M.**, Impact of Urbanization on Temperature Variation in Big Cities: Measuring Health Risk While Targeting Vulnerable Population, CUNY Academic Works. 2017, https://academicworks.cuny.edu/gc_etds/1728
30. **Karimi, M.**, Vant-Hull, B., Nazari, R., Mittenzwei, M*, & Khanbilvardi, R., Predicting surface temperature variation in urban settings using real-time weather forecasts. *Urban Climate*, 20, 192-201. 2017, <https://doi.org/10.1016/j.uclim.2017.04.008>
31. **Karimi, M.**, Nazari, R. Vant-Hull, B., and Khanbilvardi, R., Urban Heat Island Assessment with Temperature Maps Using High Resolution Datasets Measured at Street Level, *Journal of Constructed Environment*, Vol. 6, Issue 4, pp. 17-28. 2015
32. Vant-Hull, B., **Karimi, M.**, Sossa, A*, Wisanto, J*, Nazari, R., and Khanbilvardi, R., Fine Structure in Manhattan's Daytime Urban Heat Island: a New Dataset", *Urban and Env. Eng.* vol. 8, núm. 1, pp. 59-74, 2014, [doi: 10.4090/juee.2014.v8n1.059074](https://doi.org/10.4090/juee.2014.v8n1.059074)

Submitted/ Under Review

33. Yandra, B*, Nazari, R., Sabrin, S*, and **Karimi, M.**, Tackling Urban Heat Islands and Health Inequalities: An Integrative Study in Birmingham, Alabama, MDPI (*Submitted for review*)
34. Nazari Giglou1, A*, Nazari, R., Jazaei, F., **Karimi, M.**, Addressing echo-hydrological responses to climate and LULC changes in the Upper Black Warrior River Basin, central Alabama (*submitted for review*)
35. Kaushal, A*, Nazari, R., **Karimi, M.**, Geospatial analysis of COPD exacerbations, health disparities, and environmental exposures - *International Journal of Environmental Research and Public Health (IJERPH)* (ISSN 1660-4601), (*under review*)
36. Sabrin, S*, Dransfield, M., Kaushal, A., Savage, A*, Nazari, R., **Karimi, M.**, Examining Environmental Equity and Respiratory Symptoms: A Study of COPD Patients Living Near Superfund Sites in Jefferson County, Alabama, *Environmental Research* (*under review*)
37. **Karimi, M.**, Rabbani Fahad, MD*, Sabrin, S*, and Nazari, R., Modeling Surface Temperatures in Urban Settings Using Coupled Landsat and Downscaled NLDAS Data, Wiley (*under review*)
38. **Karimi, M.**, Rabbani Fahad, MD*, and Sabrin, S*, Nazari, R., Developing Large Scale Outdoor Comfort Assessment Framework by Using High Resolution Gridded Meteorological and Station Based Observations, *Sustainable Cities and Society*, Elsevier (*Under review*)
39. Rabbani Fahad, MD*, Sabrin, S*, Ho, A*, Nazari, R., and **Karimi, M.**, COVID-19 Vulnerability Assessment Using Fuzzy Analytical Hierarchy Process and Multi Criteria Decision Making Approach at County Level for United States, *Journal of Public Health*, Elsevier (*Under Review*).
40. Sadra, N., Nikoo, M., Nazari, R., and **Karimi, M.**, Wildfires in Iran: A Spatiotemporal Analysis and Time Series Modeling Using CO2 Emissions, Average Temperature and Random Forest Regression Approach, (*submitted for review*)
41. Nazari Giglou1, A*, Nazari, R., and , **Karimi, M.**, Addressing echo-hydrological responses to climate and LULC changes in the Upper Black Warrior River Basin, central Alabama, (*submitted for review*)

In Preparation

42. Sadegh Zarea, M., Nikoob, M.R., Al-Rawasb, G., Al-Wardyc, M., Nazarid, R., **Karimi, M.**, and, Gandomif, A., Bootstrap-Based Efficient DEA Water Quality Index Calculation with Uncertainty Handling: A Case Study of Wadi Dayqah Dam, Oman, (*working paper*).

43. Sabrin, S*, Nazari, R., and **Karimi, M**, Evaluating environmental exposure and health of COPD patients using remote monitoring device and its role in self-management and behavior modification - *JMIR mHealth and uHealth* (JMU, ISSN 2291-5222): <https://mhealth.jmir.org/about-journal/focus-and-scope> (working paper)
44. Sabrin, S*, and **Karimi, M**, The Role of Building Height/ Street Width Ratio in Pedestrian Comfort Level for the East-West Oriented Street-sides: Case-studies in Philadelphia, (working paper).

Books and Book Chapter

1. Nazari, R., Rabbani Fahad, MD., **Karimi, M.**, Eslamian, S., Continuous Large-Scale Simulation Models in Flood Studies, (2022), Flood Handbook, Edition 1, Imprint CRC Press, Pg 16, eBook ISBN: 9780429463938
2. **Karimi, M.**, Nazari, R., and Sabrin, S., (2021) Extreme Heat, Public Health Emergencies: Case Studies, Competencies, and Essential Services of Public Health, Springer
3. Nazari, R., **Karimi, M.**, and Mahani, S., (2013). "Environmental Contamination", Encyclopedia of Crisis Management, SAGE Publications, Inc, Vol. 1, n 128, pp. 372-376.

Peer-Reviewed Conference Proceeding

- 1) **Karimi, M.**, Sabrin, S*, Kaushal, A*, and Nazari, R., Disparities in Environmental equity and Respiratory Symptoms of COPD patients in terms of Proximity to National Priorities List (NPL) sites, SOPH Poster Session, April 2023
- 2) Nazari, R., **Karimi, M**, High-Resolution hydrodynamic modeling and flood damage assessment in complex urban systems, IUGG23, Berlin, Germany, July 2023
- 3) **Karimi, M.**, Sabrin, S*, and Nazari, R., Assessing the Impact of Urban Canopy Thermal Level on Pedestrian Comfort and the Benefits of Vegetation in Colling, Earth Science 2023 Congress, UAE, April 2023
- 4) **Karimi, M.**, Nazari, R., High-Resolution Flood Modeling and Resiliency Planning in Urban Coastal Environment, AMS Conference, Colorado, January 2023
- 5) Fifolt, M., Mooney, S., Nabavi, M., **Karimi, M.**, Nassel, A., and McCormick, L, Examining the built environment for physical activity through virtual street audits, APHA, Boston, Nov 2022
- 6) **Karimi, M.**, Nazari, R., Sabrin, S*, and Rabbani, F*, Developing a Framework for Infectious Disease Transmission and Spread Using SARS, MERS and COVID19 Data, GSPHPM2022, Munich, Germany, May 2022
- 7) Nazari, R., Rabbani, F*, and **Karimi, M.**, High Resolution Hydrodynamic Modeling in Complex Urban Systems, American Meteorological Society, Houston, Texas, 2022
- 8) **Karimi, M.**, Sabrin, S*, and Nazari, R., Effects of Different Urban-Vegetation Morphology on the Canopy-level Thermal Comfort and the Cooling Benefits of Shade Trees: Case-study in Philadelphia, FOREM, Budapest, Hungary, March 21-23, 2022
- 9) **Karimi, M.**, Sabrin, S*, and Nazari, R., Understanding the Importance of Thermal level Comfort and Impact of Cooling Vegetations, American Water Resources Association, 2022 Geospatial Water Technology Conference, Urban and Climate, Houston, Texas, March, 2022
- 10) **Karimi, M.**, Sabrin, S*, and Nazari, R., Built Environment and Surface Properties Impact on Human Health, Public health World Forum, Lisbon, Portugal, 2022
- 11) R. Nazari and **M. Karimi**, An Innovative Decision-Making Framework For Assessing Resilience And Vulnerability of Urban Coastal Communities, 14th Ecocity World Summit 2022, Ecocity 2022
- 12) **Karimi, M.**, Sabrin, S*, and Nazari, R., Modeling Heat-Exposure and Heat-Risk Vulnerability Utilizing Earth Observations and Social Drivers of Heat Island Effects: A Case Study for Eight Cities in Alabama, USA, American Meteorological Society Annual Meeting (13th Conference on Environment and Health), Texas, Houston, January 2022

- 13) Fifolt, M., McCormick, L., **Karimi, M.**, Mooney, S., and Nassel, A., APHA 2021 Annual Meeting and Expo, Examining the built environment for healthy living through virtual street audits, 2021
- 14) Gupta, S*, Sack, C., Paulin, A., Gasset, A., Sung, C., Hess, J., Woodruff, P., Dransfield, M., Paine., R., Barjaktarevic, I., Comellas, A., **Karimi, M.**, Pirozzi, C., Ortega, V., Labaki, W., Hansel, N., and Kaufman, J., Effects of ambient temperature on COPD symptoms and exacerbations in the SubPopulations and Intermediate Outcome Measures In COPD Study (SPIROMICS) cohort, European Respiratory Society Conference (<https://www.ersnet.org/>), 2021
- 15) Nazari, R., **Karimi, M.**, Assessing the Role of the Built Environment in Resiliency Planning of Vulnerable Coastal Cities, the 3rd International Conference on Sustainable Development of Water and Environment (ICSDWE2020), South Korea, Jan 2020
- 16) **Karimi, M.**, Sabrin., S*, A Systematic Approach to Quantifying the Impacts of Built Environment and Surface Properties on Temperature Extremes and Health, 2020 Preparedness Summit, Dallas, TX 2020.
- 17) **Karimi, M.**, and Nazari, R., Application of an Innovative Method in Assessing the Role of Vegetation on Cooling Urban Built Environment, World Sustainable Built Environment Conference, Sweden , June 2020
- 18) **Karimi, M.**, Nazari, R., Sabrin, S*, and Pratt, J*, Understanding Urban Microclimate Using an Innovative Technology to Measure Temperature Felt by Pedestrians, World Congress Environmental Health 2020 (WCEH 2020), Malaysia, 2020.
- 19) **Karimi, M.**, and Nazari, R., Application of an Innovative Technology in Measuring the Impact of Urban Obstacles and Vegetation on Human Health, ICSDWE2020, 3rd International Conference on Sustainable Development of Water and Environment, South Korea, 2020.
- 20) **Karimi, M.**, and Nazari, R., Application of RayMan Model in Quantifying the Impacts of the Built Environment and Surface Properties on Surrounding Temperature, ICCCEH, 22th International Conference on Changing Climate and Environmental Health, Phuket, Thailand, 2020
- 21) **Karimi, M.**, Sabrin, S*, Pratt, J*, Measuring the Impact of Urban Morphology and Green Infrastructure on Health, JIS Smart Cities, 1st Joint International Conference on Design and Construction of Smart City Components, Egypt, December 2019
- 22) **Karimi, M.**, Pratt, J*, Bryke, J*, Sabrin, S*, and Ferriola, V*, Application of an Innovative Method in Determining the Impacts of urban Morphology and Air Quality on Human Health in Urban Settings, Ninth International Conference on The Constructed Environment, Portugal, May 2019.
- 23) **Karimi, M.**, Shaman, J., Nazari, R., Quantifying the Impacts of Built Environment and Surface Properties on Temperature Extremes, Environmental Pollution and Health Hazards, Osaka, Japan, October 2018.
- 24) **Karimi, M.**, Shaman, J., Quantifying the Impacts of Built Environment and Surface Properties on Temperature Extremes, 4th International Conference on Pollution Control and Sustainable Environment, Rome, Italy, 2018.
- 25) **Karimi, M.**, Vant-Hull, B., Nazari, R., and Khanbilvardi, R. Surface Temperature Variation Prediction Model Using Real-Time Weather Forecasts, American Meteorological Society (AMS) New Orleans, LA, 2016.
- 26) Vant-Hull, B., **Karimi, M.**, Sossa, A*, Waxman, L., Giterez, E., and Khanbilvardi, R. Some Validations Results of a Spatially Fine Scale Air Temperature Statistical Model in New York City, American Meteorological Society (AMS), New Orleans, LA, 2016
- 27) Nazari, R., **Karimi, M.**, Goins, C., Musili, A., Ghandehari, M., and Khanbilvardi, R. A Framework to Conceptualize Environmental and Social Vulnerability to High Temperatures in Urban Landscapes, American Meteorological Society (AMS), New Orleans, LA, 2016
- 28) **Karimi, M.**, Vant-Hull, B., Nazari, R., and Khanbilvardi, R. Impact of Environmental Factors in Variation of Temperature in Respect to Urban Heat Island, Manhattan, New York, American Meteorological Society (AMS), Phoenix, AZ, 2015.

- 29) **Karimi, M.**, Vant-Hull, B., Nazari, R., Khanbilvardi, R. Land Surface and Climate Change Impacts on Temperature Variation in New York City. 9th International Conference on Urban Climate, France, 2015.
- 30) Nazari, R., Ghandehari, M., **Karimi, M.**, Vant-Hull, B., and Khanbilvardi, R. New York City Thermal Cycle Assessment and Neighborhood Temperature Variations Due to the Urban Heat Island, American Meteorological Society (AMS), Phoenix, AZ, 2015.
- 31) Vant-Hull, B., **Karimi, M.**, Sossa, A., Nazari, R., and Khanbilvardi, R., A Simple Statistical Model for Predicting Fine Scale Spatial Temperature Variability in Urban Settings, ICUC, 9th International Conference on Urban Climate, At Toulouse, France, 2015
- 32) **Karimi, M.**, Vant-Hull, B., Nazari, R., and Khanbilvardi, R. Investigating Uneven Heating of Neighborhoods Due to Urban Heat Island for Climate Health Impacts in New York City, American Meteorological Society (AMS), Atlanta, GA, 2014.
- 33) Sossa, A., **Karimi, M.**, Khanbilvardi, R., and Vant-Hull, B. Establishing a Correlation Between the Urban Heat Island Effect in New York City and The Land Cover, American Meteorological Society, GA 2014.
- 34) Arend, M., Gutiérrez, E., Moshary, F., Bornstein, R., Khanbilvardi, R., **Karimi, M.**, Vant Hull, B., and Gonzalez, J. Monitoring and Modeling Urban Climates to Better Understand Climate Risks, AAG Annual Meeting, Los Angeles, California, 2013.
- 35) **Karimi, M.**, Vant-Hull, B., Khanbilvardi, R., and Nazari, R. Characterizing Temperature Variations Due to the Urban Heat Island for Climate Health Impacts in New York City, American Meteorological Society (AMS), Austin, TX. 2013.
- 36) **Karimi, M.**, Vant-Hull, B., Nazari, R., and Khanbilvardi, R. Thermal Neighborhood Observations and Effects on Human Health Neighborhood Variations in Urban Northeast Urban Heat Island, IEEE International Geoscience & Remote Sensing Symposium, Germany, 2012.
- 37) **Karimi, M.**, Vant-Hull, B., Nazari, R., and Khanbilvardi, R. Characterizing Environmental Factor for Climate Health Impacts and Asthma, The Sixth Education and Science Forum, NOAA Educational Partnership Program, Florida A&M University, 2012.
- 38) Nazari, R., Ghandehari, M., **Karimi, M.**, Vant-Hull, B., and Khanbilvardi, R. New York City Thermal Cycle Assessment and Neighborhood Temperature Variations Due to the Urban Heat Island, American Meteorological Society (AMS), GA, 2014.
- 39) Vant-Hull, B., **Karimi, M.**, and Khanbilvardi, R. Fine Scale Mapping of the Manhattan Heat Island for Health Impacts, American Meteorological Society, GA, 2014.

***Students Included in Presentations**

Student Presentations

- 40) Sabrin, S, Kaushal, A, Nazari, R., and **Karimi, M.** Assessing Respiratory Symptoms of COPD patients and their Environmental equity in terms of Proximity to National Priorities List (NPL) sites, APHA Conference, 2023
- 41) Kaushal, A., Nazari, R., and **Karimi, M.** Assessing the role of elevation and Socio-Demographic (SD) Factors in Susceptibility to Flash Flooding in Birmingham, AL, SOPH Poster Session, April 2023.
- 42) Kaushal, A., Nazari, R., **Karimi, M.** Role of Elevation and Socio-Demographic factors in susceptibility to urban flooding in Birmingham, Alabama, AWI Symposium, Oral presentation, University of Alabama, April 2023
- 43) Kaushal, A., Nazari, R., and **Karimi, M.** Examining the Relationship Between Geographic Proximity to Toxic Chemical Release Sites, and COPD Prevalence in vulnerable communities in Birmingham, Alabama, EPA TRI Conference, Virginia, October 2023.
- 44) Nazari, A., Nazari, R., and **Karimi, M.** Development, and Assessment of Multivariable Flood Risk Models Using Machine Learning for Coastal Alabama, GISTAM, 9th International Conference on Geographical Information, Czech Republic 2023

- 45) Lancaster, E., and **Karimi, M**, Alabama Science and Engineering Fair (ASEF), Estimating Particulate Matter Exposure Across Populations in Alabama, Auburn University, 2022
- 46) Lancaster, E., and **Karimi, M** , Alabama Junior Academy of Science (AJAS), Estimating Particulate Matter Exposure Across Populations in Alabama, Poster presentation, 2022
- 47) Lancaster, E., and **Karimi, M**, National Association of Academies of Science, Estimating Particulate Matter Exposure Across Populations in Alabama, Poster presentation. 2022
- 48) Lancaster, E., and **Karimi, M**, Central Alabama Regional Science and Engineering Fair, March 2022, Estimating Particulate Matter Exposure Across Populations in Alabama, UAB Birmingham, Alabama, 2022.
- 49) Patel, S., Mirbozorgi, S.A., and Saha, R., **Karimi, M.**, Standalone Wearable Lung Performance and Air Quality Monitoring Device for Chronic Respiratory Diseases, 20th IEEE Interregional NEWCAS Conference, Quebec, Canada 2022
- 50) Small, S., Nazari, R., and **Karimi, M.**, Air Pollution Exposure in Alabama as it Relates to Demographic Associations and Proximal Pollution Sources, Alabama Academy of Sciences, 2022
- 51) Sabrin, S., Nazari, R., and **Karimi, M.**, Cooling potential of different vegetation covers in a heat-stressed underserved community, North Birmingham, AL, Alabama Academy of Sciences, 2022
- 52) Kaushal, A., Nazari, R., and **Karimi, M.**, Socio-Demographic factor-based analysis of population impacted by flooding in the city of Birmingham, the Alabama Academy of Sciences, 2022
- 53) Kaushal, A., and **Karimi, M.**, UAB SOPH Doctoral Student Seminar- Flash Floods: Impact on Birmingham by Demographics, 2021
- 54) Albert, R., **Karimi, M.**, Sabrin, S, UAB-SOPH Public Health Virtual Research Poster session, Quantifying the Coupled Impact of the Urban Heat Island Effect and Air Pollution in the 35th Avenue Superfund Site, - *Won 3rd place Bachelor's student.* 2021
- 55) Sabrin, S., **Karimi, M.**, and Nazari, N., UAB-SOPH Public Health Virtual Research Poster session, Studying the Effects of Different Green Covers on the Canopy-Level Thermal Comfort by ENVI-Met Modelling in North-Birmingham, Alabama, 2021.
- 56) Kaushal, A., Nazari, R., **Karimi, M.**, UAB-SOPH Public Health Virtual Research Poster session, Flash Floods; Impact on the UAB Campus Area, 2021
- 57) Fahad, MD. R., Nazari, R., **Karimi, M.**, UAB-SOPH Public Health Virtual. Research Poster session, Developing Large Scale Outdoor Comfort Assessment Framework by Combining Thermal Bioclimate (UTCI) and Air Quality (AQI) Indices Using High Resolution Gridded Meteorological and Station Based Observations, 2021
- 58) Sabrin, S., **Karimi, M.**, A Technique to Design Sidewalks with Focus on Mitigating Trapped Canopy-Heat, The Environmental Design Research Association (EDRA) Conference, Tempe, Arizona, April 2020.
- 59) Sabrin, S., **Karimi, M.**, and Nazari, R., (2020), Application of GIS in Public-health: Quantifying Vulnerability due to urban heat islands effect and air-pollution, GISTAM2020 Conference, Poland, May 2020
- 60) Sabrin, S., **Karimi, M.**, and Nazari, R., Application of GIS in Public-health: Quantifying Vulnerability Due to Urban Heat Islands Effects and Air Pollution, 6th International Conference on Geographical Information Systems Theory, Application and Management, GISTAM2020, Czech Republic, May 2020.
- 61) Pratt, J., Bryke, J., Sabrin, S., and **Karimi, M.**, Determining the Impacts of Urban Morphology and Air Quality on Human Health in Megacities with the Application of an Innovative Method, ISUHI, International Conference on Urban Health, Xiamen, China, November 2019
- 62) Sabrin, S., Pratt, J., Bryk, J., and **Karimi, M.**, A Systematic Approach to Mitigate the Impact of Increased Temperature and Air Pollution in Urban Settings, ICUPPW 2019: International Conference on Urban Planning and Public Works, New York, NY, June 2019.
- 63) Cangialosi, M., Kalogirato, A., Strauss, M., Sabrin, S., and **Karimi, M.**, Characterizing Temperature Variation Due to Air Quality for Climate Health Impacts in Camden, NJ, Rowan University Student Scholars (RUSSS) STEM Symposium, Rowan University, April 2019.

- 64) Pratt, J., Bryke, J., Sabrin, S., and **Karimi, M.**, Application of the RayMan Model in Determining the Effects of Urban Morphology and Vegetation on the Urban Heat Island, Rowan University Student Scholars (RUSSS) STEM Symposium, Rowan University, April 2019
- 65) Briguglio, M., Cangialosi, M., Kalogiratos, A., and **Karimi, M.**, Developing an Air Quality Impact Index for Camden, New Jersey Based on Physical and Social Indicators, 99th American Meteorological Society Annual Meeting (AMS), Phoenix, AZ, October 2018.

Press and News

- Birmingham Business Journal, CanAiry, Wearable Health Tech device, Startup funded by UAB professor aims to improve asthma respiratory diseases, <https://www.bizjournals.com/birmingham/inno/stories/news/2023/10/03/canairy-this-startup-is-honed-in-on-air-quality.html>, https://m.facebook.com/story.php?story_fbid=pfbid0sCfU8zGX2Mt7DkZj6EY2xnxwq43QJ2siCSXxDeRKwBKNrBeeqZeMqxmFzy7522Fkl&id=100064208641168&mibextid=Nif5oz , October 2023
- School of Public Health Faculty Research Spotlight, <https://www.uab.edu/soph/home/research/faculty-research-spotlight/october-2023-maryam-karimi-phd-ms-mpa> , October 2023
- ProPublica, North Birmingham Air Quality, August 2022
- WBHM, WBHM 90.3 | Public Radio for the Heart of Alabama, North Birmingham Air Quality, October 2020
- CGTNTV, The Climate Change Extinction Rebellion, September 2020, <https://www.youtube.com/watch?v=1FVVsjZ-c2Y>
- CGTN TV, The Climate Change and Extreme Weather Events in Latin America, July 2020 <https://www.youtube.com/watch?v=ewqPE10PbbI>
- School of Public Health Faculty Research Spotlight, January 2020
- BirminghamWatch, how rising temperatures and other aspects of climate change affect (or might affect) health of people living in rural Alabama, November 20, 2019
- Newsweek, Tech and Science, Climate Change is Going to Make Extreme Weather Events Worse: Here's Why, September 20, 2019 <https://www.newsweek.com/climate-change-extreme-weather-events-worse-1460125>
- New Jersey Healthy Communities Network, A New Path Forward, May 2019, <http://www.njhc.org/a-new-path-forward/>
- New Jersey Healthy Communities Network, Leveraging Partnership: Addressing the Quality of Air in Camden. March 2019, <http://www.njhc.org/leveraging-partnership-addressing-the-quality-of-air-in-camden/>
- New Jersey Healthy Communities Network, Could Planting a Tree Help Manage Asthma? July 2019, <http://www.njhc.org/could-planting-a-tree-help-manage-asthma/>
- New Research Shows Temperatures Vary Block by Block. Pix11 News, August 2014, <http://pix11.com/2014/08/27/think-it-was-a-mild-summer-new-research-shows-it-varies-block-by-block/>

Invited Talks- Keynote Speaker

- **September 2022**, Karimi, M., UAB Sigma Xi Chapter, Modeling Urban Health Vulnerability and Heat Risk for Best Mitigation Strategies, *Invited Speaker* **April 2021**, Karimi, M., CUNY Climate Change Education Virtual Conference- *Keynote speaker*
- **February 2020**, Karimi, M., EnviroDay Research Forum and Symposium (2020), the University of Virginia (UVA), *Keynote speaker*

- **September 2019**, Karimi, M., NASA TEMPO Health Conference, New Application in the Use of Satellite Data Monitoring for Population Health, University of Alabama in Huntsville, ***Invited Speaker***

On- campus invited talks

- **November 2021**, UAB PHSA Coffee Hour- on Environmental Racism, ***Panelist Speaker***
- **March 2021**, Karimi, M , UAB MPA Alumni Luncheon- on equity and justice in public health, ***Panelist Speaker***

Selected Review Panel

- 2023 Gulf Research Program, National Academies, The Improving Public Health Data Systems to Address Health Equity Challenges for At-Risk Communities in the U.S. Gulf Coast- ***Cycle 2 Review Panel***.
- 2023 California Climate Action Initiative, University of California, Community Health and Policy- ***Panel Reviewer***
- 2020- NSF- CIVIC COI- ***Review Panel***
- 2020- NSF- AI Institutes Theme 3: AI-Driven Innovation in Agriculture and the Food System, ***Review Panel***
- 2020- NSF- Infrastructure Resilience Including Water/Energy for the Smart & Connected Communities program- ***Review Panel***
- 2020- UAB Center for Clinical and Translational Science CCTS Interdisciplinary- ***Network Pilate Program Reviewer***
- 2019- NSF GRFP- ***Review Panel***

Selected Journal Editorial And Referee

- 2023- Sustainability Journal, Exploring Urban Health Islands: A Special Issue on the Environmental Impacts and Root Causes, ***Guest Editor***
- 2022- Journal of Health and Environmental Research, ***Editorial Board member***
- 2021- Science Opinion Panel Survey (SciOPS), ***Expert***
- 2020- Remote Sensing, MDPI I- ***Reviewer***
- 2020- De Gruyter, Open Health Peer Reviewed Open Access Journal- ***Advisory Board***
- 2020- Urban Science, MDPI- ***Advisory Panel***
- 2020- 2020 Lancet Countdown U.S. Policy Brief –***Brief Working Group***
- 2020- International Journal of Environmental Monitoring and Analysis - ***Reviewer***
- 2020- Open Health- ***Advisory Board***
- 2017- Urban Climate, Elsevier- ***Reviewer***
- 2016- PLOS ONE- Open access journal- ***Reviewer***

TEACHING INTEREST

Environmental Sciences; Environmental Health and Human; Environmental System Process; Earth and Atmospheric Science; Environmental Impact Assessment; Environmental Systems Management; Mapping and Geographic Information System (GIS); Remote Sensing of the Environment; Global Hazard of the Environment, Urban and Environmental Monitoring; Global Hazard of the Environment, Environmental Regulations and Waste Management; Hydrometeorology; Waste management.

Training and workshops completed

- 2023 Gener8tor- gBETA Prosper Healthtech Accelerator program
- 2022 NSF National I-Corp Training, New York National I-Corps Hub Program

2022	National Institutes of Health (NIH) Applicant Assistance Program (AAP), SBIR- 10-week training
2022	NIH Grant Writing Boot Camp- Columbia University
2021	NSF Regional I-Corp Training Academy@ NCATS- University of Miami
2019	NSF 2 nd Sustainable Smart Cities, “Sustainable Smart Cities in Arid Regions”, International Workshop- Cairo, Egypt

Lead instructor

University of Alabama at Birmingham

2022-	Scientific Basis Environmental Health (ENH 700)
2019- 2022	Fundamentals of Environmental Health Sciences (ENH 600)

Rowan University

2018- 2019	Hydrometeorology and Advanced Hydrometeorology- Engineering Course
2018- 2019	Sustainable Buildings- Engineering Course
2018- 2019	Junior/Senior Engineering Clinic
2018- 2019	Solid Waste Management- Engineering Course
2018- 2019	Sustainable Technology for Built Environment- Engineering Course
2017- 2019	Climatology
2015- 2018	Geology- Geomorphology
2015- 2018	World Regional Geography

City University of New York

2011- 2016	Environmental Science
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Curriculum Development

Course Developer

2022-	ENH 700, UAB
2019-	ENH 600, UAB
2018-	Sustainable Building, Rowan University
2018-	Solid waste Management, Rowan University
2018-	Hydroclimatology, Rowan University
2015-	Geology, Rowan University
2015-	Geography, Rowan University

Dissertation Committees Membership

2023-	Kelsey Maclin, PhD, Environmental Health Sciences (<i>Dissertation Committee member</i>)
2022-	Andria Cimino, PhD, UAB Dept. of Medical Sociology (<i>Dissertation Committee member</i>)
2020-	Lana Marji, PhD-CCEE, UAB School of Engineering (<i>Dissertation Committee member</i>)
2020-	Aishwarya Kaushal, PhD- Environmental Health Sciences (<i>Advisor, Dissertation Committee Chair</i>)

Student advising and mentoring

2022-	Bhuvan Yandra, MS- CCEE, UAB School of Engineering (<i>Co- Adviser</i>)
2021-	Crystal Stephens, PhD- Pulmonology and Environmental Health Sciences (<i>Co-Adviser</i>)
2022-2023	Evelyn Siqueira Caixeta, Full Bright Student, Environmental Health Sciences (<i>Co-Adviser</i>)
2021- 2023	Mujungu Lawrence Museru, PhD- CCEE, UAB School of Engineering (<i>Mentor</i>)

2021- 2022	Gurcharan Singh, MS- Civil, Construction and Environmental Engineering (<i>Mentor</i>)
2020-	Aishwarya Kaushal, PhD- Environmental Health Sciences (<i>Advisor, Dissertation Committee Chair</i>)
2020- 2022	Qing Sun, MS- Construction and Environmental Engineering (<i>Mentor</i>)
2019- 2022	Fahad Rabbani, PhD- Construction and Environmental Engineering (<i>Co-Advisor</i>)
2018- 2023	Samain Sabrin, PhD- Construction and Environmental Engineering (<i>Co-Advisor</i>)

Other Students in My Research Group

1. Graduate students

UAB

2020- 2021	Jared Blake, Health Care Organization, UAB School of Public Health
2020	Wen-Ling Yu, Health Care Organization, UAB School of Public Health
2020- 2021	Amy Faith Ho, Health Care Organization, UAB School of Public Health
2020- 2021	Zoe Vanderboegh, UAB School of Public Health
2020- 2021	Brianna Watkins, Health Care Organization Policy, UAB School of Public Health
2020- 2022	Rose Albert, Chemistry/ Fast-Track MPH, UAB
2020- 2021	Norah Madden-Lunsford, EHS, UAB School of Public Health
2020- 2021	Fariha Hasan, EHS, UAB School of Public Health
2020- 2021	Kerri Tang, EHS, UAB School of Public Health
2020- 2021	Aakruti Sharma, HCOP, UAB School of Public Health
2019- 2021	Drashti Shah, MS, Environmental Health Sciences, UAB School of Public Health
2019- 2020	AJ Brown, MS, Environmental Health Sciences, UAB School of Public Health
2019- 2020	Divya Polasa, MS, Environmental Health Sciences, UAB School of Public Health

Rowan University

2018- 2019	Joshua Pratt, Civil and Environmental Engineering, Rowan University
2018- 2019	Samain Sabrin, UAB School of Engineering, PhD Candidate

2. Undergraduate level

UAB

2023	Amy Yang, UAB, Presidential fellow
2023-	Sydney Williams, UAB, Public Health, Undergrad
2023-	Nehu Alwanim, UAB, Public Health Undergrad
2023-	Hannah Jones, UAB, Public Health Undergrad

Rowan University

2018-2019	Vincent Ferriola, Civil and Environmental Engineering, Rowan University
2018- 2019	Anna Kalogiratou, Civil and Environmental Engineering, Rowan University
2018- 2019	Michael Cangialosi, Civil and Environmental Engineering, Rowan University
2018- 2019	Matthew Strauss, Civil and Environmental Engineering, Rowan University
2018- 2019	Marcel Briguglio, Civil and Environmental Engineering, Rowan University

City University of New York

2012-2014	Awolou Sossa, Civil and Environmental Engineering, NOAA Crest, CUNY
2012-2014	Jade Wisanto, Medical School, CUNY

3. Highschool level

2022-	Julia Downs, <i>Math/Science senior</i> , Internship, Alabama School of Fine Arts
2021- 2022	Elizabeth Lancaster, <i>Math/Science senior</i> , Internship, Alabama School of Fine Arts

2012-2014 Carolyn Curtis, Summer High School Internship (SHIP), CUNY

Academic advising

2022- Emily Anderson, MPH EOH Q
2022- Darnika, Embry-MPH EOH
2021- Ryan Carner- MPH EOH
2020- Aishwarya Kaushal, PHD
2020- Judith Pohla- MPH EOH Q
2020- Donna Brooks- MPH EOH Q
2020- Carmen Hendrick- MPH EOH Q
2020- Jessica Ingram- MPH EOH Q
2020- Brian Templeton- MPH EOH
2020- Andrew Tripp- MPH EOH Q
2020- Clarissa Urrutia- MPH EOH Q

Students Supported by My Research

2023- Aravind Nune
2023- Kanthi Kiran Damarla
2022- Bhuvan Yandra, MS- CCEE, UAB School of Engineering
2021-2022 Sahaj Patel, PhD, Electrical Engineering
2021-2022 Rose Albert
2020- 2023 Samain Sabrin
2020- Aishwarya Kaushal, PHD
2020- 2022 Rose Albert, Chemistry/ Fast-Track MPH, UAB
2019- 2021 Drashti Shah, MS, Environmental Health Sciences, UAB School of Public Health

Student Awards/ Scholarships

2023 **Aishwarya Kaushal**, UAB School of Public Health Global Health Foreign Travel Award, United Nations 2023 Water Conference
2022 **Samain, Sabrin**, The Dory Award, Postdoc award
2022 **Aishwarya Kaushal**, 1st place in Environmental Health Sciences, SOPH Research Poster Session 2022 Elizabeth Lancaster, 2nd place in Environmental Science, Alabama Junior Academy of Science (AJAS), Poster presentation
2022 **Elizabeth Lancaster**, NOAA's Taking the Pulse of Planet Award
2022 **Elizabeth Lancaster**, First Place Award in Environmental and Earth Science 2022 Alabama Region Science and Engineering Fair
2022 **Elizabeth Lancaster**, Only Female Award, Association for Women Geoscience, 2022
Samain Sabrin, Dean's Award: Outstanding Overall Graduate Student, School of Engineering,
2022 **Samain Sabrin**, UAB, CCEE Outstanding Student Award
2021 NASA DEVELOP internship program, **Samain Sabrin**
2021 **Samain Sabrin**, ISSS Scholarship Award- Caroline and Charles Ireland International Scholarship
2021 **Rose Albert**, The Harry Truman Scholarship
2020 Aishwarya Kaushal, ISSS Scholarship Award- The Caroline and Charles W. Ireland International Student Fund
2020 **Rose Albert**, UAB Presidential Award
2020 **Fahad Rabbani**, UAB Blazer
2019 **Drashti Shah**, Joseph F. Volker scholarship

Services

National Services

- 2023- Alison Canyon Gas Well Blowout Disaster (overseeing comprehensive study of the health impacts)- **Scientific Expert**
- 2023 Central Alabama Regional Science & Engineering Fair (CARSEF) on the UAB Campus Recreation Center Saturday, **Faculty Judge**
- 2022 Central Alabama Regional Science & Engineering Fair (CARSEF) on the UAB Campus Recreation Center Saturday, **Faculty Judge**
- 2020- The Institute for Systems and Technologies of Information, Control and Communication, a scientific, (INSTICC)- **Member**
- 2019- De Gruyter, Open Health Editorial Advisory Board of Open Health- **Member**
- 2018- Cooper's Ferry and NY Tree Foundation Committee- **Lead Adviser**
- 2018- Camden Collaborative Initiative at Cooper's Ferry- **Partner**
- 2017-2019 Camden Collaborative Initiative- **Partner**
- 2008-2009 New York City Council- Member Services Division – **Intern**
- 2011- American Meteorological Society (AMS)- **Member**
- 2011- Institute of Electrical and Electronics Engineers (IEEE)- **Member**
- 2011- American Geophysical Union (AGU)- **Member**

UAB Service

- 2023- University Faculty Senate, **Senator**
- 2022- UAB Social Science and Justice Research (SSJR) Consortium, **Associate Scientist**
- 2022 UAB Graduation Commencement Marshal- **Faculty**
- 2021 CEPH Steering Committee- **Member**
- 2020- Global Health Case Competition-**Mentor**
- 2020 UAB Sustainability Ambassador- **Faculty**
- 2020- Green Thumb Student Organization- **Advisor**
- 2019- UAB Tree Campus USA Advisory Committee- **Member**

SOPH Service

- 2022- UAB ENH Future Faculty Hiring Committee
- 2022 Faculty Judge for SOPH Research Poster Session, **Faculty Judge**

Department Service

- 2022- MSPH EOH Graduate Admission Review Committees
- 2022- EHS Strategic Hiring Committee
- 2022- EHS Research Institute Working Group
- 2020- MSPH EOH Admission Committee
- 2020- EHS Sustainability Committee- **Member**
- 2019- EHS Curriculum Committee member

Other University Service

Rowan University

- 2018-2019 Rowan's Sustainability Masterplan Committee- **Member**
- 2018-2019 Rowan's Environmental Sustainability Subcommittee- **Member**
- 2018-2019 Rowan's Energy Reduction Subcommittee- **Member**
- 2018- 2019 Co-Adviser of USGBS Student Club
- City University of New York*

2015-2016 Faculty and leading Member of Geospatial Center of the Crest Institute
2013-2015 Student Mentoring at NOAA CREST and SHIPP Program
2011-2015 Research Assistant at CCRUN Consortium for Climate Risk
in the Urban Northeast

Certification

Quality Matters (QM) Independent Applying the QM Rubric (APPQMR) certified, 2019

The University of Memphis Board of Trustees

Recommendation for Approval

Date: June 5, 2024

Committee: Academic and Student Affairs Committee

Presentation: Tenure Upon Appointment as Professor, College of Education
Dr. Michael Miller (Recommendation for Approval)

Presented by: Dr. David Russomanno, Executive Vice President for Academic Affairs and Provost

Background:

Dr. Miller has been named as dean, College of Education, effective July 1st. He comes to the UofM from the University of Arkansas, where he was the David and Jane Gearhart Endowed Faculty Fellow. He most recently served as dean of the College of Education and Health Professions at the University of Arkansas. Miller also held leadership roles at Southern Illinois University, the University of Nebraska, the University of Alabama, and San Jose State University.

He earned his bachelor's degree in Political Science and his master's degree in Higher Education, both from Southern Illinois and received his doctoral degree in Postsecondary Education from Nebraska.

His scholarly research includes a focus on educational outcomes related to access to postsecondary education and community colleges. He has authored and co-authored approximately 240 refereed publications. Among these, he was the sole author of 15, leading author of 89, and second author of 103. Additionally, he has contributed roughly 200 non-refereed articles, including book chapters, monographs, and invited publications, along with numerous conference presentations. The quality of his research is underscored by awards received from professional organizations. Furthermore, Dr. Miller boasts a strong record of securing 40 funded projects totaling over \$5.2 million as Principal Investigator (PI) or Co-PI.

The College of Education Tenure and Promotion Committee reviewed and recommended granting professor with tenure in the Department of Leadership.

Recommendation:

The Academic and Student Affairs Committee recommends approval of tenure for Dr. Miller as Professor upon his appointment in the College of Education.

TIMELINE ADJUSTMENT FOR PROMOTION AND/OR TENURE

(formerly known as "Tenure Reduction Form")

FACULTY INFORMATION

NAME: Michael T Miller U-NUMBER: U00123456
FIRST MIDDLE LAST

COLLEGE/SCHOOL: College of Education

DEPARTMENT: Leadership

PLEASE CHECK ONE (1):

☒ TENURE UPON APPOINTMENT**

☐ PROMOTION TIMELINE TIMELINE REDUCTION _____ YEAR(S)

☐ TENURE TIMELINE * TIMELINE REDUCTION _____ YEAR(S)

☐ TENURE & PROMOTION TIMELINE * TIMELINE REDUCTION _____ YEAR(S)

* WILL THIS REDUCTION RESULT IN A CHANGE IN THE INDIVIDUAL'S MID-TENURE REVIEW TIMING? ☐ YES ☒ NO

IF YES, INDICATE THE ADJUSTED MID-TENURE YEAR: _____

(YEAR ONLY – 20XX)

JUSTIFICATION REQUIRED

PLEASE SUBMIT YOUR CV AND JUSTIFICATION, ALONG WITH THIS FORM TO PROVOST@MEMPHIS.EDU.

**Please reference [Section 4.9.3A in the Faculty Handbook](#) regarding procedures for Tenure Upon Appointment.

Tenure Upon Appointment requires review from department/college T&P committee with written acknowledgment and agreement of proposed rank.

RECOMMEND APPROVAL

RECOMMENDED

CHAIR SIGNATURE

DATE (MM/DD/YYYY)

☐ YES

DEAN SIGNATURE

DATE (MM/DD/YYYY)

☐ YES

APPROVAL

APPROVED

PROVOST SIGNATURE

04/23/2024

DATE (MM/DD/YYYY)

☒ YES

THIS ADJUSTED TENURE AND/OR PROMOTION APPLICATION SUBMISSION WILL BE FALL:

* TO BE COMPLETED BY PROVOST

(YEAR – 20XX)



Department of
Counseling, Educational
Psychology & Research
Ball Hall Room 100
Memphis, TN 38152-3480
www.memphis.edu/cepr
Office: 901-678-2841

April 18, 2024

Dr. David J. Russomanno
Executive Vice President for Academic Affairs & Provost
The University of Memphis

Re: Appointment Recommendation Dr. Michael Miller

Dear Provost Russomanno:

The College of Education Tenure and Promotion Committee recommends granting the appointment of Full Professor with tenure to Dr. Michael Miller. This recommendation is based on a committee vote of four (4) positives, with zero (0) negatives, zero (0) absences, and zero (0) abstentions. Although one member at the Associate level was ineligible to vote, she provided valuable input to the committee's discussion.

Dr. Michael Miller's exceptional professional productivity, as evidenced in his CV, forms the basis of the committee's decision. Since 1990, Dr. Miller has authored and co-authored approximately 240 refereed publications. Among these, he was the sole author of 15, leading author of 89, and second author of 103. Additionally, he has contributed roughly 200 non-refereed articles, including book chapters, monographs, and invited publications, along with numerous conference presentations. The quality of his research is underscored by awards received from professional organizations. Furthermore, Dr. Miller boasts a strong record of securing 40 funded projects totaling over \$5.2 million as Principal Investigator (PI) or Co-PI.

Over his tenure spanning more than three decades across five different universities, Dr. Miller has amassed rich teaching experiences across a variety of courses related to adult and higher education and leadership. Awards for teaching and advising from his home institutions attest to his dedication to education. Equally noteworthy are his extensive involvements in professional organizations and local communities. His roles as unit director, department chair, and college dean demonstrate his leadership and commitment to community welfare.

Despite the unavailability of teaching and research statements, as well as external reviews in this case, the committee unanimously agrees that Dr. Miller's achievements in research, teaching, services, and administrative functions warrant his appointment as a full professor with tenure in the Department of Leadership at the University of Memphis.

Respectfully,

Yonghong Xu

Yonghong J. Xu

Chair, COE Tenure and Promotion Committee

MICHAEL T. MILLER

College of Education and Health Professions
University of Arkansas

EDUCATION

Ed.D. Postsecondary Education
Teacher's College
University of Nebraska-Lincoln, 1991

M.S. Higher Education
Southern Illinois University

B.A. Political Science
Minor: Journalism
Southern Illinois University

PROFESSIONAL EXPERIENCE

University of Arkansas, 2003-present
College of Education and Health Professions
Fayetteville, Arkansas

Professor (2005-present) and **David and Jane Gearhart Endowed Faculty Fellow** (2019-present), Higher Education Program; **Associate Professor**, 2003-2005; **Professor**, 2005-present; faculty appointments also in the Community College Leadership Program (2019-present), Adult and Lifelong Learning (2015-present), and the Interdisciplinary Doctoral Program in Public Policy (2013-present)

Dean, 2016-2019; **Senior Associate Dean**, 2013-2016; **Associate Dean for Academic Affairs**, 2009-2013; **Department Head**, Educational Leadership, Counseling, and Foundations, 2006-2009

As a faculty member, I am responsible for graduate instruction, conducting research, and providing institutional and professional service. As dean, I was responsible for all academic, student, and operational matters of the College which enrolled approximately 6,000 students in 42 academic programs, employed 193 full-time faculty members, and a support staff of approximately 300. Led efforts for development and fund raising, relationships with a variety of

stakeholders and external constituents, faculty and staff hiring and development, and overall budget oversight. Annual operating budget, including grants and general funds exceeded \$59M.

San Jose State University, 1999-2003
College of Education
San Jose, California

Associate Dean, College of Education
Associate Professor, Educational Administration

Primary responsibility for the college offices of development, credentials, student services, and technology. Coordinated faculty and staff development activities, represented College administration to all committees, assisted in the coordination of school- and community college based partnerships, and joint doctoral programs. Served as primary accreditation, budget, grievance, and planning officer. Accomplishments include: created leadership councils within bargaining units and streamlined office management procedures; doubled fund-raising totals and number of donors; coordinated successful re-accreditation self-studies, reports, and site visits for NCATE and the State of California; developed international exchange with three different institutions, and developed staff handbook and orientation procedures. Served on institutional committees, including undergraduate curriculum and general education assessment committee.

University of Alabama, 1994-1999
College of Education
Tuscaloosa, Alabama

Chair, Higher Education Administration Program, 1997-1999
Associate Professor, 1997-1999, **Assistant Professor**, 1994-1997

Responsible for five full-time and six part-time faculty in a comprehensive (MA, EdD, PhD) graduate program. Coordinated workload distribution, data collection, course scheduling, teaching evaluations, mentoring, admissions and recruitment, student data management, advising assignments, planning and program review, and classroom assignments. Accomplishments included: increased MA enrollment from 6 to 54; developed student handbooks and web-page; developed, wrote, and approved comprehensive exam policy; created an HEA Alumni Society and scholarship fund; instituted graduate student orientation and organization; initiated comprehensive campus-wide internship program.

University of Nebraska, 1989-1994
Teacher's College
Lincoln, Nebraska

Assistant Professor, Adult and Postsecondary Education, 1991-1994

Director, Nebraska Research and Development Unit for Vocational Education, 1991-1994

Graduate Research Assistant, 1989-1991

In addition to faculty duties, represented the State Department of Education to each of the vocational and occupational programs in Nebraska's 14 community, junior, and technical colleges. Brokered state and federal economic development money to business and industry in collaboration with two-year colleges, promoting such concepts as Train the Trainer, Just in Time, ISO, English as a Second Language, GED, and adult literacy training. Supervised \$1 million annual budget; coordinated state contract training with departments of Social Services, Labor, and Education.

Southern Illinois University, 1986-1989
Carbondale, Illinois

Graduate Assistant, College of Liberal Arts, 1988-1989

Director of Annual Giving, SIU Foundation, 1987-1988

Assistant Director of Annual Giving, SIU Foundation, 1986-1987

Designed and implemented training programs for alumni and community volunteers; organized and staffed 11 academic unit telefund campaigns which increased giving 135% in collected contributions; supervised all annual fund activities on the Carbondale campus; recruited and supervised 1,500 annual fund volunteers for alumni chapters, academic units, student organization, and alumni association boards; instituted upgrading and renewal telefund and direct mail programs; produced quarterly fund appeals for prospect list of 150,000; supervised giving club committees, projects, and personal solicitations; coordinated the University's first senior class giving program; coordinated annual fund donor research program; supervised, staffed, and organized various seasonal and athletic receptions and events; and served as representative to various constituent groups (such as the Morris Library, Touch of Nature, parent programs, theater, etc.).

ADDITIONAL PROFESSIONAL EXPERIENCES

Administrative, Organizational, and Fundraising Consultant, West Palm Beach Catholic Charities, 2004-2006

Capital Campaign Consultant, Tabitha Health Care Systems, 1990-1991

Contributing Investigator, Reorganization of Hungarian Higher Vocational Education, A World Bank Project, 1992-1994

Delta Leadership Institute Faculty, Delta Regional Authority, 2008

Director, National Data Base on Faculty Involvement in Governance, 1994-1999
 Exhibitor, Lakeshore Curriculum Materials, 1989-1991
 Fulbright Junior Faculty Development Program, Egypt, Co-Coordinator, 2017
 Fund Raising Consultant, Rockford Memorial Hospital Foundation, 1992
 Health Teams Abroad, Study Abroad Reviewer, Jonkoping, Sweden, 2014
 Interdisciplinary Public Policy PhD program, Postsecondary Education Area of Study
 Coordinator, University of Arkansas, 2008-present
 Intern for Alumni Chapter Development, Southern Illinois University, 1985-1986
 Jian National University Leadership Trainer, 2002
 Mid-South Community College Partnership, Round Table Participant, 2003
 National Lab for the Study of the College President, University of Arkansas,
 Director, 2021-present; Assistant Director, 2017-2021
 Organizational Development Consultant, Northwestern Technical Institute, 1999
 Panelist (2007, 2011), Moderator (2008, 2009), and Board of Coordinators (2007-2012), Annual
 College Student Athlete Roundtable Forum, University of Arkansas
 Program Coordinator, Higher Education Program, University of Arkansas, 2003-2008
 Program Reviewer, Nazarbayev University Research Center, 2013
 Qing Dao University Professional Development Trainer, 2003
 Research Associate, Ford Foundation Study of Rural Community Colleges, 1996
 Reviewer, Jamaican Job Training Expansion, Vocational Training Institute, 1993
 SACS Accreditation Consultant, Walker Technical College, Georgia, 1997, 1998
 St. Thomas University (Italy) Online Teacher Training Consultant, 2023
 University of Oklahoma Sports Administration Curriculum Reviewer, 2002
 US AID Consultant for Elementary/Early Childhood Education, Republic of Georgia,
 2021-2023

TEACHING EXPERIENCE, COURSES TAUGHT

Southern Illinois University

SOC 101 Introduction to University Life (2 credits)

University of Nebraska-Lincoln

VAE 120 Basic Business Communications (3 credits)
 VAE 424 Foundations of Vocational Education (3 credits)
 VAE 855 Administration of Adult Education Agencies (3 credits)
 EDAD 922 Higher Education Finance and Business Affairs (3 credits)
 EDAD 952 The American Professoriate: An Administrative Perspective (3 credits)

University of Alabama

BCE 520 Student Personnel Work in Higher Education II (3 credits)
 AHE 500 Perspectives on Higher Education (3 credits)
 AHE 510 The Community and Junior College (3 credits)

AHE 540	Organization and Administration of Higher Education (3 credits)
AHE 550	Finance and Business Affairs in Higher Education (3 credits)
AHE 560	Comparative Higher Education (3 credits)
AHE 591	Seminar: Improving College Teaching (3 credits)
AHE 591	Seminar: Academic Fund Raising (3 credits)
AHE 601	Professional Seminar in Higher Education (3 credits)
AHE 622	The Junior College (3 credits)
AHE 635	Seminar in Adult and Continuing Education (3 credits)
AHE 641	Personnel and Human Resource Management (3 credits)
AHE 642	Institutional Research and Evaluation (3 credits)
AHE 644	Academic Program Development and Evaluation (3 credits)

University of Arkansas

EDUC 1001	Freshman Seminar (1 credit)
UNIV 1001	University Perspectives: Destination Graduation (1 credit)
ADLL 6333	Quantitative Analysis (3 credits, online)
ADLL 6413	Quantitative Methods in Adult Education (3 credits)
CCLE 5043	Finance and Fiscal Management in Community Colleges (online, 3 credits)
CCLE 5063	Workforce and Economic Development (online, 3 credits)
CCLE 5083	Research and Assessment in the Community College (3 credits)
CCLE 5023	Organization and Leadership in Community Colleges (online, 3 credits)
CCLE 5103	Critical Issues in Community Colleges (online, 3 credits)
HIED 5003	Overview of American Higher Education (3 credits)
HIED 5043	Dissertation Writing Seminar (3 credits)
HIED 5053	The Community College (3 credits)
HIED 5093	Research in Higher Education and Student Affairs (3 credits)
HIED 6022	Management Concepts Applied to Higher Education (3 credits)
HIED 6023	Introduction to the Study of Higher Education (3 credits)
HIED 6173	Individual and Group Management Skills (3 credits)
HIED 6343	Strategies for Effective College Teaching (3 credits)
HIED 6423	Trends, Issues, and Problems in Higher Education (3 credits)
HIED 6643	College Students in the United States (3 credits)
HIED 6663	Finance and Fiscal Management in Higher Education (3 credits)
HIED 6683	Governance and Policy Making in Higher Education (3 credits)
HIED 6993	Research Techniques in Higher Education (3 credits)
WDED 5723	Dissertation Writing Seminar (online, 3 credits)

San Jose State University:

EDAD 200	The School Manager (3 credits)
EDAD 201	The School Leader (3 credits)
EDLD 242H	Fieldwork in Higher Education (2-6 credits)
EDLD 298X	Organization and Management of Higher Education (3 credits)

DISSERTATIONS AND THESIS SERVICE

I have chaired and/or served on over 200 doctoral dissertation committees and 15 master's thesis committees. Examples of recent doctoral dissertation committees that I have chaired include:

Jason Ramage (PhD, Public Policy, 2023) *The role of partisan politics on support for public institutions of higher education*

Johnathon E. Paape (EdD, Adult and Lifelong Learning, 2022) *Improving math placement of non-traditional students in Arkansas community colleges using multiple measures assessments*

Christina M. Smith (EdD, Higher Education, 2021) *Should I stay or should I go? Compassion organizing in the advancement workplace.*

Jennifer Edwards (PhD, Higher Education, 2021) *Alone together: The experiences of LGBTQIA+ undergraduates at faith-based colleges*

David V. Tolliver, III (PhD, Public Policy, 2020) *The development and postsecondary enrollment of Black American men: The perceived influence of environmental factors*

Jonathon Lopez (EdD, Higher Education, 2019) *Evaluating the efficacy of programs for veteran students*

PROFESSIONAL INVOLVEMENT

Professional Memberships and Involvement

American Association for Adult and Continuing Education, 2010-present

Proposal Reviewer, 2016, 2017, 2018, 2019, 2020, 2021; Session Chair, 2017, 2018, 2019, 2021, 2023; Commission on Workforce and Professional Education, 2019-present

American Vocational Association, 1989-1995

Association for Educational Communications and Technology, 2003-2006

International Council, 2003-2006

Association for the Study of Higher Education, 1990-(intermittent) present

Editor, Newsletter, 1996-1998; Research, Symposium, and Focused Dialogue Reviewer, 1994-2002, 2004, 2005; Conference Evaluation Chair, 1993, Co-Chair 1992

Council of Academic Deans at Research Institutions, 2016-2019

Council for the Advancement of Programs in Higher Education, 1996-2008

Vice President, 1996; 2005-2006; Secretary, 1997; Program Chair, 2001; Steering Committee, Council of Academic Programs Studying Higher Education, 1994-1995

Council for the Study of Community Colleges, 1994-2006, 2010-present

Board of Directors, 1997-2000; Conference Planning Committee, 2005, 2006;

Nominating Committee, 1996, 1997; 2000; Session Chair, 1997, 1999, 2001, 2002, 2005; 2010, 2018, 2019; Discussant, 2002, 2010; Newsletter Editor, 2001-2003; American Association of Community Colleges Proposal Reviewer, 2003, 2004; 2007; Proposal Reviewer, 2004, 2005, 2017, 2018, 2021, 2022, 2023

Eastern Educational Research Association, 1992-present (intermittent)
 Past-President, 2017-2019; President, 2015-2017; President-Elect, 2013-2015; Conference Discussant, 1997, 1999, 2000, 2001, 2004, 2009; Proposal Reviewer, 1997-2010; Session Chair, 2002, 2004, 2006, 2009, 2010, 2012, 2017, 2019; Special Interest Group Director, 2003-2006; 2008-2011; Division on Higher Education (16) Director, 2006-2008; Teaching and Faculty SIG Director, 2015-present; Board of Directors, 2008-2019

Education Deans for Justice and Equity, 2016-2019

Emerald Publishing Outstanding Doctoral Research Awards Committee, 2021-present

International Higher Education Teaching and Learning Association, 2020-present
 Country Director, USA, 2020-present

Mid-State Industry and Education Association, 1990-1996
 Board of Directors, 1992-1995

Mid-South Educational Research Association, 2005-present (intermittent)
 Proposal Reviewer, 2018, 2019, 2021

National Association of Student Personnel Administrators, 1989-2006
 Proposal Reviewer, 1998, 1999, 2000, 2003, 2009

National Society of Fund Raising Executives, St. Louis Chapter, 1986-1989

National Society of Shared Governance, 2005-2012
 President, 2007-2008; Vice President, 2006-2007; Conference Coordinating Committee, 2006, 2007, 2012; Communications Committee, 2005

Nebraska Vocational Association, 1989-1994
 Board of Directors, 1992-1994; Conference Planning Committee, 1992, 1993

Rural Community College Alliance
 Rural Community College Research Panel, 2010-2015

Society for Cross Cultural Research, 2002-2010; 2018-present (intermittent)

University Continuing Education Association, 2003-2008
 Elected Commissioner on Leadership and Management, 2005-2008

Editorial Involvement

Advisory Board, *ASHE Reader on Community Colleges*, 2000, 2005, *ASHE Reader on Higher Education Finance*, 2000

Editor, *Journal of College Orientation and Transition*, 2000-2005

Editor, *Journal of Research on the College President*, 2021-present
 Assistant Editor, 2017-2019; Co-editor, 2019-2021

Editor, *Journal of Organizational Learning and Leadership*, 2010-2015

Editor, *Journal of Research in Education*, 2008-2012 (interim editor, 2014)

Editorial Board, 2001-2007; Guest Editor 2005, Senior Associate Editor, 2004-2008
 Editorial Advisory Board, *Journal of Applied Research in Higher Education*, 2020-present
 Editorial Board, *Regional Economies*, 2018-present
 Editorial Board, *College Student Services Journal*, 2005-2008
 Editorial Board, *Community College Journal of Research and Practice*, 2000-2005;
 Guest Associate Editor, 2004; Guest Editor, 2005
 Editorial Board and Reviewer, *International Journal of Education Research*, 2020-present
 Editorial Board and Reviewer, *International Journal of Instructional Technology and Educational Studies*, 2021-present
 Editorial Board, *School Psychology Quarterly*, 2002-2008
 Editorial Reviewer, *Mid-South Partnerships for Rural Community Colleges Policy Brief Series*, 2006-2011
 External Reviewer, *New Directions for Community Colleges*, 2007
 Guest Editor, *Journal of Philosophy and Social Science*, 1998
 Reviewer, *Compare: A Journal of Comparative and International Education*, 2019, 2020
 Reviewer, *Discover Psychology*, 2021-present
 Reviewer, *Emerald Publishing Books*, 2021-present
 Reviewer, *Handbook of Research on Operational Quality*, 2019
 Reviewer, *International Journal of English and Literature*, 2013-2016
 Reviewer, *International Journal of English Literature and Culture*, 2013-2016
 Reviewer, *Journal of Diversity in Higher Education*, 2019-present
 Reviewer, *Journal of Human Resource Development*, 2019-present
 Reviewer, *Journal of Issues in Intercollegiate Athletics*, 2021-present
 Reviewer, *Methods and Protocols*, 2022
 Reviewer, *Multidisciplinary Health Journal*, 2019-present
 Reviewer, *Psychology Research and Behavior Management*, 2019-present
 Reviewer, *Psychosocial Issues in Human Resource Management*, 2018-present
 Reviewer, *Sage Open*, 2021
 Reviewer, *Sport in Society*, 2011-present
 Reviewer, *Community College Review*, 2008-present
 Reviewer, *The Rural Educator*, 2020-present
 Reviewer, *Psychological Reports*, 2006-2010
 Reviewer, *Journal of College Student Affairs*, 1996-1999

Selected Campus Involvement

University of Arkansas: Division of Student Affairs Strategic Planning Advisory Committee;
 University Program Review Committee; Human Resources and Workforce Development
 Education Faculty Search Committee; Honors College Scholarship Selection Committee
 Interview Panel Chair; Equal Opportunity Advisory Committee; UA Student Success Steering
 Committee; University Library Associate Dean Search Committee; UA CIO Search Committee;
 Community College Student Recruitment and Retention Committee; Associate Vice Provost for

Research and Economic Development Search Committee; NSF PIRE Competition Committee; Graduate School's Graduate Council; UATEACH Steering Committee; Academic Affairs Advisory Committee; Assistant Dean Search Committee; Inter-disciplinary Studies Faculty Evaluation Committee; Study Abroad Advisory Committee; Grant Pre-Award Specialist Search Committee; Office of Retention and Graduation Services Director Search Committee; University Freshman Year Experience Committee; University Registrar Search Committee; multiple faculty search committees, including Adult and Lifelong Learning, Higher Education, and Counselor Education; COEHP Personnel Document; Provost's Task Force on Retention; Provost's Distance Education Task Force; 15 for the Future COEHP Strategic Issue Committee; Teacher Education Technology Competence Committee; COEHP Task Force on Personnel Policies; University Wide Task Force on Faculty Governance Improvement Implementation; Educational Administration Curriculum Re-Design Statewide Steering Committee; COEHP NCATE Steering Committee; Continuing Education Committee; College-Wide Tenure and Promotion Committee; Student Affairs Strategic Planning Oversight Committee; Chair-Elect, COEHP Faculty Council; Chair, COEHP Faculty Leadership Development Council; Departmental Outstanding Dissertation Selection Committee; Chair, University Wide Task Force on the Reform of Faculty Governance; Vice Chair, Faculty Senate Task Force on Grade Inflation; Higher Education Program Faculty Search Committee; Educational Administration Faculty Search Committee Chair; COEHP Honors Council; Retention Research Initiative Collaborative Steering Committee; Task Force for the Reform of Student Government; Watercarrier Leadership Award Selection Committee; Southern Placement Exchange Faculty Representative; Faculty Research Advisory Council; COEHP Task Force on Technology; Director of University Housing Search Committee; Department Head Search, Endowed Department of Educational Reform; Graduate School Panel Discussant; Advisor, Aspiring Student Affairs Professionals Student Organization.

San Jose State University: Honors Convocation Planning Committee; Alumni Events Committee; Career Placement Expo Committee; Institutional Planning and Assessment Committee; University Major Gifts Team; Academic Senate Alternate for Dean's Council; Showcase for Learning; Academic Facilities Council; Spartans Exploring Intelligent Career Opportunities Mentor; Central Computing and Data Management Steering Committee

University of Alabama: Faculty Senate: Financial Affairs Committee, Steering Committee, Chair of Student Affairs Committee; College of Education Faculty Senate: Vice President, Secretary, Coordinating Committee, Chair of Student Affairs Committee, External Affairs Committee, Chair, Chair of College Honors Day Committee, College Exceptions Committee; Division of Student Affairs, Chair of Student Government Effectiveness Task Force, Recreation Center Planning Committee, Graduate Student Services Study Group, University Programs Leadership Selection Team, Alumni Student Award Committee, UA-Shelton State Community College Dual Enrollment Committee, Chair of the University Student Life Committee, Co-Chair of the Financial Affairs Sub-Committee; Academics and Athletics Committee, International Education Committee, International Student Services Committee, Criminal Justice Program Review

University of Nebraska: Coordinating Committee for the Center for the Study of Higher and Postsecondary Education; UNL-University of Southern Queensland Academic Administrator Training Team; Teachers College International Study Committee; Libertyville USA Small Group Decision Making Case Study Facilitator; Omicron Tau Theta President, Vice President

Southern Illinois University: Retention Committee; Morris Library Advisory Board; Touch of Nature Advisory Committee; Maximize Growth in College Mentor; Phi Sigma Kappa Board of Directors

Selected Community, State and Regional Involvement

Alabama Community College Leadership Program, Planning Team, 1999
 Coordinator, Community College Chair Assessment, 1994
 Arkansas Association of Two-Year Colleges Leadership Development Planning Group, 2012-2015
 Arkansas Council for Education Deans, 2016-2019
 Arkansas College of Education Deans Council [renamed], 2009-2015
 California State University Dean's Meeting Planning Team, 2000-2001
 California State University Central Management System Advisory Team, 2001-2003
 Elementary Science Education Committee of the Arkansas State-wide Science and Technology Coalition, 2006-2009
 Mid-State Industry and Education Consortia, Board of Directors, 1991-1994
 Chair, Mid-State Industry and Education Annual Conference, 1992
 Osher Lifelong Learning Board of Directors, 2016-present
 National Council of State Directors of Community Colleges Annual Survey Advisory Committee, 2010-present
 Nebraska Community College Association
 Conference Planning Committee, 1991; Community College Leadership Program, Coordinating Committee, 1992
 Nebraska Department of Education
 Reading Committee, Grant Review Panel, 1990; 1991; Job Training Partnership, Research Committee, 1993; Nebraska Community College Aid Grant Contract Committee, Chair 1992-1994
 Northwest Arkansas Council, Health Care Workgroup, 2016
 San Jose Community College Teaching Certificate Planning Committee, 2001
 Southeastern Conference Academic Consortium Leadership Development Discussant, 2008, 2009, 2010
 University of Arkansas for Medical Sciences
 Northwest Campus Advisory Board, 2016-2019
 Chancellor's Teaching Award Selection Committee, 2020
 Vocational Foundation of Nebraska, Board of Directors, 1991-1993

HONORS AND AWARDS

American College Personnel Association, Certificate of Recognition for Research, 1995
 Association for Institutional Research National Conference Paper, Director's Choice, 2009
 Association for the Study of Higher Education, Nominee, Early Career Scholar Award, 1995
 Council for the Study of Community Colleges Senior Scholar Award, 2015
 Cited, Second Most Prolific Author in Community College Research for the 1990s, 2003
 CCJRP Editor's Choice Award for Research, 2013
 East Tennessee State University Clemmens College of Education Distinguished Lecturer, 2016
 Eastern Educational Research Association, Distinguished Service Award, 2019
Brock International Prize in Education, Juror, 2017
 San Jose State University
 Contribution to Excellence, College of Education, 2002; Outstanding Service, College of Education, 2002; Certificate of Recognition and Appreciation, Graduate Studies and Research, 2002
 Southern Illinois University
 SIU Postdoctoral Academy, 1991-1999 (*program discontinued*)
 College of Education Volunteer Assistance Award, 1987
 Spencer Albright Endowed Professor, University of Arkansas, 2019-2020
 Tabitha Health Care Services, Outstanding Advancement Employee, 1990
 University of Alabama
 Certificate of Appreciation, Division of Student Affairs, 1998; College of Education Faculty Excellence Award, 1997, 1998
 University of Arkansas
 Student Alumni Association's Outstanding Teacher Award, 2005; Associated Student Government Outstanding University Teacher, 2005, 2007 (Nominee in 2010 and 2012); Departmental Outstanding Faculty Member Award, 2005, 2006, 2022; Departmental Outstanding Research Award, 2004 and 2005; Cowlings Service Award, RHRC, 2009; College of Education and Health Professions Faculty Resolution of Appreciation for Commitment to Shared Governance, 2017, Outstanding Mentoring and Advising Award, 2022; Will Miller Public Policy Outstanding Faculty Member, 2020; Collis Geren Outstanding Interdisciplinary Studies Faculty Member, 2020
 University of Nebraska
 Outstanding Service, Omicron Tau Theta, Sigma Chapter, 1992; Omicron Tau Theta Outstanding Doctoral Dissertation, Runner Up, 1991
 Syracuse University, Alexander Charters Fellow, 2015
 University Council on Vocational Education, Certificate of Recognition, 1992
 Outstanding Service, National Data Base on Faculty Involvement in Governance, 1998
 Who's Who, in the World, 1996, 1997; in the South and Southwest, 1995-1999; of Intellectuals, 1992; Men of Achievement, 1992-1994; News Digest International, Who's Who in Academia National List, 2013; Academic Keys Who's Who in Education, 2005

GRANTS FUNDED

Have authored or co-authored 37 grants totaling \$5,450,874. A sample of these include:

Egyptian Junior Faculty Development Training, US Department of State/Fulbright, Washington, DC, 2016-2019, \$450,000 (with L. Bergman-Lanier)

English teacher training for Salahaddin University College of Administration and Economics, US Embassy Grants Program, Washington, DC, 2016, \$148,207 (with L. Bergman-Lanier)

You Teach Physical Science: Noyce Scholars Enhancing Technical Capacity in Arkansas, National Science Foundation, \$1,199,998, 2014 (with G. Stewart, N. Allison, and L. Brewer)

Creating alternative financing program for student loan forgiveness. Arkansas Department of Rehabilitation Services, Division of Workforce Development, Little Rock, AR, 2009, \$239,983.

The impact of the community college on rural communities: Three case studies. Mid-South Partnership for Rural Community Colleges and the Stennis Institute for Government, 2004, \$16,498

Administrative training program for Qing Dao University senior administrators. Wang Ltd., Qing Dao Provincial Government, 2002, \$360,000 (with P. Lee and P. Sterlacci)

PRESENTATIONS

I have delivered multiple presentations, including 193 refereed academic presentations and 78 invited presentations, including two presentations at the White House. A sample of these include:

Refereed

Miller, M. T. (2022, October 13). *Optimal GED student recruitment: Perceptions of program directors*. Paper presentation at the Annual Meeting of the American Association for Adult and Continuing Education, Milwaukee, WI.

Miller, M. T., Hunt, V. H., Robertson, L. J., Embry, C. S., & Deggs, D. M. (2021, October). *An overview and identification of successful GED recruitment practices*. Research paper presentation at the American Association for Adult and Continuing Education, San Destin, Florida.

Miller, M. T., & Deggs, D. M. (2020, February). *Building a community expectancy survey instrument: Cross cultural considerations for determining accuracy*. National Conference of the Society for Cross-Cultural Research, Seattle, WA.

Miller, M. T., & Grover, K. S. (2019, October). *Remembering and exploring emeritus colleges: Where are we now?* American Association for Adult and Continuing Education 68th Annual Conference, St. Louis, MO.

Tolliver, D. V., III, Miller, M. T., & Grover, K. S. (2019, March). *The perceived family and parental influence on African American men who enroll in community colleges*. 61st Annual Council for the Study of Community Colleges Conference, San Diego, CA.

Invited

Miller, M. T. (2021, March). *Just the facts: Looking for truth in what we read, hear, and see*. Seminar, “How Do we Know What’s True,” Department of Rhetoric and Composition, American University in Cairo, Egypt, presented online.

Miller, M. T. (2019, November). *Community expectancy and student mental health: The role of education and social expectations*. Keynote address to the Second International Congress on Behavioral Health, Doha, Qatar.

Miller, M. T. (2018, July). *American higher education: An overview and understanding of challenges, opportunities, and trends*. Presentation to the Egyptian Fulbright-Department of State Junior Faculty Development Program, Fayetteville, AR.

Miller, M. T. (2014, December). *Social capital and college attendance: Predictive variables to manipulate?* US Department of Education, Washington, DC.

Miller, M. T. (2010, October). *Shared governance as a practical problem: Perspectives of college leaders*. Paper presentation at the Eighth Annual National Society of Shared Governance, Cincinnati, OH.

PUBLICATIONS

I have authored and published 235 refereed articles, 125 non-refereed articles, 35 book chapters, edited/co-edited 9 books, and have authored 6 books. Listed below is a sample of each:

Refereed

Miller, M. T., Deggs, D. M., Hunt, V. H., Robertson, L. J., & Embry, C. (2022). Developing effective recruitment strategies for African American men to earn alternative high school credentials. *Adult Learning*, doi: 10.1177/10451595211073725

Miller, M. T. (2021). Do learning organizations learn? Higher education institutions and pandemic response strategies. *The Learning Organization*, 28(1). Doi.org/10.1187/TLO-09-2020-0159

Miller, M. T., Grover, K. S., & Deggs, D. M. (2020). A profile of returning graduates in community college occupational education a decade later. *Community College Journal of Research and Practice*, doi 10.1080/10668926.2020.1803159

Miller, M. T., & Nadler, D. P. (2019). Student and faculty senate agenda alignment: A test of comprehensive shared governance. *Journal of Higher Education Management*, 34(2) 1-11.

Tolliver, D. V., III, Kacirek, K., & Miller, M. T. (2019). Getting to and through college: African American adult men talk about increasing underrepresented student participation. *College Student Journal*, 53(4), 430-438.

Nadler, D. P., Miller, M. T., Hamza, E. A., & Gearhart, G. D. (2019). Faculty senates and college presidents: Perspectives on collaboration. *Journal of Research on the College President*, 3, 62-71.

Deggs, D. M., & Miller, M. T. (2018). At the intersection of community expectancy and critical theory: Emerging perspective to support student needs. *Community College Journal of Research and Practice*, doi: 10.1080/10668926.2018.1524336

Deggs, D. M., & Miller, M. T. (2017). Social actions and beliefs among undereducated adults. *Journal of Adult Education*, 46(1), 1-7.

Non-Refereed and Invited

Anderson, K. E., & Miller, M. T. (2010). Integrating globalization into the academic department: Keys for chairs. *The Department Chair*, 20(4), 22-24.

Miles, J. M., Miller, M. T., & Nadler, D. P. (2008). *A national study of improving participation in student self-governance leadership*. ERIC Document ED 503754.

Miller, M. T. (July 2007). Important work of rural community colleges. *Center for Rural Affairs*, 1-2.

Miller, M. T., & Newman, R. E. (2007). Performance appraisal interviews as a tool to improve faculty work. *Academic Leader*, 23(1), 1,6.

Lu, M. Y., Mao, C. L., & Miller, M. T. (2006). Teaching adults in a blended learning environment. *Exchanges: The Online Journal of Teaching and Learning in the California State University System*, available online at www.exchangesjournal.org

Books and Chapters

Miller, M. T., & Nadler, D. P. (2022). The college president and community relationships: Pride, partnerships, and pressures. In Q. Martin, III and M. A. Cooney (eds.), *The evolving college presidency: Emerging trends, issues, and challenges* (pp. 51-65). IGI Global.

Gearhart, G. D., & Miller, M. T. (2020). *Case studies in college leadership*. Stillwater, OK: New Forums Press.

Miller, M. T., & Tolliver, D. V. III. (Eds.). (2019). *Exploring the technological, societal, and institutional dimensions of college student activism*. Hershey, PA: IGI Global (ISBN 9781522572749).

Gearhart, G. D., & Miller, M. T. (2018). *Case studies in higher education fundraising, critical issues, critical questions*. Stillwater, OK: New Forums Press.

Miller, M. T., & Tolliver, D. V. (2017). *Student activism as a vehicle for change on college campuses: Emerging research opportunities*. Hershey, PA: IGI Global.

Miller, M. T., & Nadler, D. P. (2016). Creating a value added college environment: The role of the hidden curriculum. In W. Nuninger (ed.), *Handbook of Research on Quality Assurance and Value Management* (pp. 89-104). Hershey, PA: IGI Global.

Newman, R. E., Miller, M. T., & Grover, K. S. (2014). Developing faculty to effectively use mobile learning technologies in collegiate classes: A guide for department chairs. In J. Keengwe and M. Maxfield (eds), *Advancing Higher Education with Mobile Learning Technologies: Cases, Trends, and Inquiry-Based Methods* (pp. 22-34). Hershey, PA: IGI Global Press.

Lu, M. Y., Miller, M. T., & Newman, R. E. (2013). The global scholar: Challenges and opportunities of working with transnational faculty. In S. Mukerji (ed.), *Handbook of Research on Transnational Higher Education Management* (pp. 612-622). Hershey, PA: IGI Global.

Miller, M. T., & Murry, J. W., Jr. (Eds.). (2011). *Staff governance and institutional policy formation*. Charlotte, NC: Information Age Press (ISBN 978-61735-599-8).

Kissinger, D. B., & Miller, M. T. (Eds.). (2009). *College student-athletes challenges, opportunities, and policy implications*. Charlotte, NC: Information Age Press (ISBN 978-160752-140-2).

Miller, M., T., & Nadler, D. P. (Eds.). (2006). *Student governance and institutional policy formation and implementation*. Greenwich, CT: Information Age Publishing.

Jacobs, B., Miller, M., Lauren, B., & Nadler, D. (Eds.). (2004). *The college transfer student in America, the forgotten student*. Washington: American Association of Collegiate Registrars and Admissions Officers (ISBN I-57858-058-7).

Miller, M., & Caplow, J. (Eds). (2003). *Policy and university faculty governance*. Greenwich, CT: Information Age Publishing.

Miller, M. T. (2003). *Improving faculty governance cultivating leadership and collaboration in decision making*. Stillwater, OK: New Forums Press (ISBN 1-58107-074-8).

ADDITIONAL INFORMATION

ORCID: orcid.org/0000-0002-4278-3870

The University of Memphis Board of Trustees

Recommendation for Approval

Date: June 5, 2024

Committee: Academic and Student Affairs Committee

Presentation: Tenure Upon Appointment as Professor, Civil Engineering
Dr. Rouzbeh Nazari (Recommendation for Approval)

Presented by: Dr. David Russomanno, Executive Vice President for Academic Affairs and Provost

Background:

The Department of Civil Engineering requests tenure and promotion upon appointment for Dr. Rouzbeh Nazari, incoming chair of the department for Fall 2024. Dr. Nazari is under review for promotion from Associate to Full Professor at his current institution, The University of Alabama at Birmingham School of Engineering. Dr. Nazari's dossier was reviewed by the committees of the Department of Civil Engineering and the Herff College of Engineering, and both committees concurred with the UAB recommendation that Dr. Nazari be awarded promotion to Full Professor.

Dr. Nazari has an outstanding track record of teaching, research, and service that aligns with the expectations for the Full Professor rank at the UofM. His expertise is in smart cities, damage and resiliency assessment of urban coastal infrastructures, and community vulnerability to natural disasters. Under his mentorship, 10 students have earned master's degrees, 3 students have earned doctoral degrees, and 2 students have conducted post-doctoral research since 2019. Dr. Nazari has successfully collaborated with researchers from numerous institutions, securing over \$8 million in funding since 2019 from diverse federal agencies, including NSF, USDA, and the EPA. He has published 40 journal papers, 9 book chapters, and 74 conference proceedings, and has 791 citations, averaging over 4 journal publications per year. Dr. Nazari is also the Chief Technology Officer for Planetary Resilience, LLC and CanAiry, two startups launched during his tenure at UAB. He has a strong record of service at UAB as well as at the national level, including serving on the UAB Faculty Senate and on a variety of journal editorial boards, such as the American Society of Civil Engineers Natural Hazards journal. In all aspects, Dr. Nazari's record has been exceptional, and he is deserving of tenure and promotion in the Department of Civil Engineering at the University of Memphis upon appointment.

Recommendation:

The Academic and Student Affairs Committee recommends approval of tenure for Dr. Nazari as Professor upon his appointment as chair, Department of Civil Engineering.

TIMELINE ADJUSTMENT FOR PROMOTION AND/OR TENURE

(formerly known as "Tenure Reduction Form")

FACULTY INFORMATION

NAME: Rouzbeh Nazari **U-NUMBER:** U00954744
FIRST MIDDLE LAST U00123456

COLLEGE/SCHOOL: Hertf College of Engineering

DEPARTMENT: Civil Engineering

PLEASE CHECK ONE (1):

- ☒ **TENURE UPON APPOINTMENT****
- ☐ **PROMOTION TIMELINE** **TIMELINE REDUCTION** _____ **YEAR(S)**
- ☐ **TENURE TIMELINE *** **TIMELINE REDUCTION** _____ **YEAR(S)**
- ☐ **TENURE & PROMOTION TIMELINE *** **TIMELINE REDUCTION** _____ **YEAR(S)**

* WILL THIS REDUCTION RESULT IN A CHANGE IN THE INDIVIDUAL'S MID-TENURE REVIEW TIMING? ☐ YES ☐ NO

IF YES, INDICATE THE ADJUSTED MID-TENURE YEAR: _____
 (YEAR ONLY – 20XX)

JUSTIFICATION REQUIRED

PLEASE SUBMIT YOUR CV AND JUSTIFICATION, ALONG WITH THIS FORM TO PROVOST@MEMPHIS.EDU.

**Please reference [Section 4.9.3A in the Faculty Handbook](#) regarding procedures for Tenure Upon Appointment

RECOMMEND APPROVAL

<u>Shalwan P. Ghosh</u>	<u>3/20/2024</u>	RECOMMENDED
CHAIR SIGNATURE	DATE (MM/DD/YYYY)	<input checked="" type="checkbox"/> YES
<u>[Signature]</u>	<u>3/21/2024</u>	<input checked="" type="checkbox"/> YES
DEAN SIGNATURE	DATE (MM/DD/YYYY)	

APPROVAL

<u>David Russomanno</u>	<u>03/26 2024</u>	APPROVED
PROVOST SIGNATURE	DATE (MM/DD/YYYY)	<input checked="" type="checkbox"/> YES


*ADJUSTED TENURE AND/OR PROMOTION APPLICATION:

*COMPLETED BY PROVOST

(SEMESTER)

(YEAR – 20XX)

To: Dr. Okenwa Okoli
Dean, Herff College of Engineering

From: Dr. Shahram Pezeshk
Chair, Department of Civil Engineering 

Subject: Application of Dr. Rouzbeh Nazari for Promotion to Professor

Date: February 23, 2024

I have reviewed Dr. Rouzbeh Nazari's external reviews and recommendation letter for promotion to Professor at the University of Alabama at Birmingham (UAB).

Instruction

The Committee concurs with the Department of Civil Engineering T&P recommendation.

Scholarship and Research

The Committee concurs with the Department of Civil Engineering T&P recommendation.

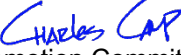
Outreach and Service

The Committee concurs with the Department of Civil Engineering T&P recommendation.

Summary

In conclusion, Dr. Rouzbeh Nazari has a strong case for promotion to Professor, and I recommend that Dr. Nazari be granted the status of full Professor with tenure in the Department of Civil Engineering.

To: Dr. Shahram Pezeshk, Chair
Department of Civil Engineering

From: Dr. Charles V. Camp 
Chair, Tenure and Promotion Committee

Subject: Application of Dr. Rouzbeh Nazari for Promotion to Professor

Date: February 23, 2024

The Department of Civil Engineering's Tenure and Promotion Committee has reviewed Dr. Rouzbeh Nazari's external reviews and recommendation letter for promotion to Professor at the University of Alabama at Birmingham (UAB).

Instruction

The Committee concurs with the external reviewers and the UAB letter of recommendation (see attachment).

Scholarship and Research

The Committee concurs with the external reviewers and the UAB letter of recommendation (see attachment).

Outreach and Service

The Committee concurs with the external reviewers and the UAB letter of recommendation (see attachment).

Summary

In conclusion, the Committee believes Dr. Rouzbeh Nazari has a strong case for promotion to Professor.

February 13, 2024

Dr. Avinish Unnikrishnan
Professor and Chair
Department of Civil, Construction, and Environmental Engineering
University of Alabama at Birmingham
1075 13th Street South
Birmingham, AL 35294-4440

Dear Dr. Unnikrishnan:

The departmental Promotion and Tenure Committee in the Department of Civil, Construction, and Environmental Engineering (CCEE) met on February 6, 2024, to review the qualifications and performance of Dr. Rouzbeh Nazari in his pursuit of promotion from Associate Professor to Full Professor.

In our meeting, we reviewed the submitted portfolio, which contained all the material required by the Provost's Office and evaluated the teaching, research, and service components in comparison to peer applicants for this level of promotion. The committee also reviewed letters from external reviewers from Georgia Tech University, University of Virginia, Auburn University, and Rutgers University, which were unanimously supportive and complimentary of Dr. Nazari's dossier. We write this recommendation in support of Dr. Rouzbeh Nazari and his promotion to Full Professor at UAB. We write this letter after consideration of his accomplishments in the areas of teaching, research, and service, as summarized below.

Appointment. Dr. Rouzbeh Nazari was appointed to the faculty in the Department of CCEE in the School of Engineering (SoE) at the University of Alabama at Birmingham in June of 2019. He is currently a tenured Associate Professor in CCEE Department and serves as the Director of the Sustainable Smart Cities Research Center (SSCRC). He has a secondary appointment in the School of Public Health. He is active in the field of smart cities, damage and resiliency assessment of urban coastal infrastructures, and community vulnerability to natural disasters and proven expert in this field.

Teaching. In the area of teaching, Dr. Nazari has carried a reasonable teaching load for research active faculty (2 to 4 courses annually) and has been responsible for the development and execution of 5 courses at UAB (CE 337, CE 430/530, CE485/585 CESC 602, and CESC 616). His IDEA evaluations indicate that he is well liked by his students, indicated by average scores of 4.2 for "excellent teacher" and 4.2 for "excellent course" in recent years. Based upon the qualitative feedback provided by his students, it is apparent that they enjoy Dr. Nazari's teaching style, passion for the material, and his genuine interest in his students' success.

Under his mentorship, 10 students (9 UAB | 1 Rowan Univ.) have earned master's degrees, 3 students (2 UAB | 1 Rowan Univ.) have earned doctoral degrees, and 2 students conducted post-doctoral research since he joined UAB in 2019. One of Dr. Nazari's former students, who completed their degree at UAB, received two prestigious awards and recognition, including distinctions such as the Graduate Student of the Year and Postdoctoral Dory Award at UAB. These accomplishments highlight the success of Dr. Nazari's students as they have gone on to secure esteemed positions in industry. He continues to oversee an

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active and vibrant research group comprised of one post-Doctoral researcher and 4 students pursuing PhD degrees.

Research. Since joining the Department of CCEE in 2019, Dr. Nazari has built an effective research program that covers a broad array of topics in the water resource area [e.g., remote sensing in water resources; hydrodynamic and hydrological modeling; flood resiliency; infrastructure resiliency; impact assessment of extreme weather events on the built environment; sustainable smart cities, and public health, etc.]. Throughout his career, Dr. Nazari has successfully collaborated with researchers from various institutions, securing over \$19 million in funding. Since joining UAB in 2019, he has played a key role in securing over \$8.0 million, with the UAB portion exceeding \$3 million. He has been funded by NSF, USDA, EPA, NASEM, DOT, and internally through multiple UAB programs. He is a member of the UAB Live HealthSmart Alabama initiative serving on the built environment team and has developed close connections with the city, local, and state agencies. He has also developed many connections across campus, expanded his work into collaboration with the UAB Cancer Institute, and recently submitted a NIH R01 proposal. It is worth noting that Dr. Nazari actively engages in pursuing new proposals and funding opportunities, despite already having a significant number of active grants. Dr. Nazari's ability to secure federal funding is very good and he has exhibited the ability to secure funding over his career and his short time here at UAB.

His dossier lists 40 journal papers, 9 book chapters, and 74 conference proceedings. His current h-index is 15 and he has 791 total citations. His publications are in high quality, prestigious journals with impact factors ranging from 2.7 to 11.7. His extensive publication record in high impact factor journals is a testament to the quality and rigor of his research and the influence it has on the profession. Focusing on his recent performance since joining UAB, over the past 5 years he has averaged 4.2 journal publications per year, which demonstrates that he is a very productive faculty member and is continuously adding to the scientific body of knowledge. Additionally, he currently has 12 journal articles that have been submitted and are currently under review. He has also presented his research findings at several national and international conferences over the years where he made several keynote and invited speeches, furthering his research reputation nationally and internationally. In addition, Dr. Nazari has engaged in public outreach by conducting news interviews with multiple news agencies (i.e., NBC, ABC, FOX, CBS, NPR, etc.) during his time here at UAB, highlighting his local collaborations, and further attests to his research initiatives and its relevance to broader audiences.

Lastly, through a variety of research efforts, Dr. Nazari and his collaborators have founded two UAB approved startups (i.e., Planetary Resilience, LLC and CanAiry, LLC) in which he is serving as the Chief Technology Officer (CTO) for both. He also has applied for two provisional patents at UAB related to community resiliency and environmental exposure and health assessment technology.

Service. In reviewing his service record, the committee members noted that the Dr. Nazari has been active in service at several levels including national, university, school, and department activities. He has been extremely busy, including professional service as chair of a California climate action committee, panel review member for several organizations reviewing proposals including the National Science Foundation (NSF), and on a variety of journal editorial boards (i.e., ASCE Natural Hazards, Journal of Waste Management and Disposal, Reliability Engineering and Resilience, Civil Engineering Journal, and the Modern Subsea Engineering and Technology Journal). These service activities at the national level further exhibit that Dr. Nazari is recognized nationally and internationally as an expert in the field of water

Department of Civil, Construction, and
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Faculty Promotion Packet

Promotion from Associate to Professor

Rouzbeh R. Nazari, Ph.D.

**Associate Professor & Director, Sustainable Smart Cities
Research Center**



December 2023

School of Engineering

UAB THE UNIVERSITY OF ALABAMA AT BIRMINGHAM
Department of Civil, Construction, and Environmental Engineering (CCEE)

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1 SECTION 1. **Promotion/Tenure Action Summary** **Form**

PROMOTION/TENURE ACTION SUMMARY FORM

Revised September 2023

Academic Year 2023 - 2024Faculty Member Name: Nazari Rouzbeh R
Last First Middle InitialTerminal Degree: PhD UAB Employee I.D. Number: _____Faculty Candidate's Home Address: 2068 Brook Highland Ridge
(Street)Birmingham AL 35242 E-Mail Address: rnazari@uab.edu
(City) (State) (Zip)

Check applicable actions(s) recommended and provide information requested in corresponding sections.

☐

Faculty Promotion to Associate Professor

☒

Faculty Promotion to Professor

☐

Other Rank Change to _____

☐

Award of Tenure

Candidate's Signature _____ Date: 12/5/2023**Directions: This section to be completed by appropriate school/college/UAB Libraries contact person.**School's Contact for Questions Related to this Request: _____
Printed Name E-Mail Address Campus Phone #Candidate's Primary Faculty Appointment Resides in Engineering/ CCEE
School/College/Library DepartmentOracle Service Date: 01-JUN-2019Current Academic Rank: Associate Professor Date Appointed to Current Rank: 01-JUN-2019**Current Tenure Status (Select one and include date, if applicable):**Non-tenure earning: _____ Tenure Earning: _____ Tenured: XDate appointed to tenure-track: 10/1/____ (year) Date tenure awarded: 2019Number of years on tenure track at other institutions of higher education: 5 yearsPlease enter the names of the institutions where the faculty member was appointed to tenure track before coming to UAB. Rowan University

Only the documentation requested should be submitted to the Provost's Office. It is anticipated that the requested materials will easily fit in a standard one- or two-inch three-ring binder.

In all cases, except the Dean's and Department Chair's recommendations, provide the number vote.

- Record the vote of full-time regular faculty.
- For promotion, only faculty members at the proposed rank or above vote.
- For tenure, report only the vote of tenured faculty members.
- If a particular vote or report does not apply, fill in N/A.

Promotion to Rank of:

Departmental Committee	#For	#Against	#Abstain	#Absent	Report Attached?	<input type="checkbox"/>
Department Chair	For <input type="checkbox"/>	Against <input type="checkbox"/>			Report Attached?	<input type="checkbox"/>
School/College/Library Committee	#For	#Against	#Abstain	#Absent	Report Attached?	<input type="checkbox"/>
Dean _____	For <input type="checkbox"/>	Against <input type="checkbox"/>			Report Attached?	<input type="checkbox"/>
Dean _____	For <input type="checkbox"/>	Against <input type="checkbox"/>			Report Attached?	<input type="checkbox"/>

Award of Tenure (if applicable)

Departmental Committee	#For	#Against	#Abstain	#Absent	Report Attached?	<input type="checkbox"/>
Department Chair	For <input type="checkbox"/>	Against <input type="checkbox"/>			Report Attached?	<input type="checkbox"/>
School/College/Library Committee	#For	#Against	#Abstain	#Absent	Report Attached?	<input type="checkbox"/>
Dean _____	For <input type="checkbox"/>	Against <input type="checkbox"/>			Report Attached?	<input type="checkbox"/>
Dean _____	For <input type="checkbox"/>	Against <input type="checkbox"/>			Report Attached?	<input type="checkbox"/>

Administrative Signatures

Name of Faculty Member: Rouzbah R Nazari

Recommendation of the Departmental Promotions and Tenure Committee Chair:

Promotion:

☐ Approved ☐ Disapproved ☐ N/A Signature _____ Date _____

Tenure:

☐ Approved ☐ Disapproved ☐ N/A Signature _____ Date _____

Recommendation of the Department Chair:

Promotion:

☐ Approved ☐ Disapproved ☐ N/A Signature _____ Date _____

Tenure:

☐ Approved ☐ Disapproved ☐ N/A Signature _____ Date _____

Recommendation of the School Promotion and Tenure Committee:

Promotion:

☐ Approved ☐ Disapproved ☐ N/A Signature _____ Date _____

Tenure:

☐ Approved ☐ Disapproved ☐ N/A Signature _____ Date _____

Recommendation of the Dean:

Promotion:

☐ Approved ☐ Disapproved ☐ N/A Signature _____ Date _____

Tenure:

☐ Approved ☐ Disapproved ☐ N/A Signature _____ Date _____

Recommendation of the Dean (Academic Joint Departments):

Promotion:

☐ Approved ☐ Disapproved ☐ N/A Signature _____ Date _____

Tenure:

☐ Approved ☐ Disapproved ☐ N/A Signature _____ Date _____

Recommendation of the Provost:

Promotion:

☐ Approved ☐ Disapproved ☐ N/A Signature _____ Date _____

Tenure:

☐ Approved ☐ Disapproved ☐ N/A Signature _____ Date _____

2 SECTION 2.

SOE Promotion and Tenure Guidelines

Excerpts from Sections 4 and 5 of

The University of Alabama at Birmingham School of Engineering Policies and Operational Guidelines

**The School of Engineering follows the
UAB Faculty Handbook (Please refer to
the UAB Faculty Handbook for Policies
not covered in this document)**

Approved: 1/18/05 (Chairs of the Academic Departments)

Approved: 2/2/05 (Faculty Affairs Committee)

Approved: 2/28/05 (School of Engineering faculty)

4. CRITERIA FOR PROMOTION AND TENURE

Criteria for promotion and tenure within the School of Engineering should be based upon demonstrated excellence in the following areas directly related to the School's mission of teaching, research, and service:

- Teaching effectiveness
- Research and scholarly achievements
- Service to the Department, the School, the University, and the Profession

The strength of a school lies in the effective combination of teaching, scholarly achievement, and service. While the ideal candidate for promotion and/or tenure is a faculty member who excels in all three categories, provision must be made for more than one avenue for promotion and/or tenure at a university. All successful faculty do not fit into a single model. If the School is to accomplish its overall mission, there must be a certain degree of specialization among the faculty. Some faculty may emphasize the conduct of research and the teaching of research through the guidance of graduate students; while some may emphasize course, curricula and laboratory developments; and all participate in service related activities. An individual will be judged by these criteria in proportion to their relative importance to each academic rank and to the program priorities.

4.1 TEACHING

Factors relative to the evaluation of teaching that should be considered are the candidate's: command of the subject; growth in the field; ability to organize materials; ability to present material with force and logic; capacity to awaken students' awareness of the relationship of the subject to their fields of knowledge; grasp of general objectives; spirit and enthusiasm; ability to arouse curiosity in beginning students and to stimulate advanced students to do creative work; personal attributes affecting teaching and students; and extent and skill in advising students.

No single set of satisfactory criteria can be prescribed. However, examples of evidence of teaching effectiveness are the following.

- Opinions of peers (based on personal contact, class visits, public lectures, seminars, student performance in later courses)
- Opinions and ratings of students (formal and informal) based on their experience that the instructor is knowledgeable, well-prepared, innovative, demanding and yet considerate in classroom work, that the instructor is accessible and helpful to students outside of the classroom, and that the instructor teaches in a manner such that there is lasting impact from his or her courses
- Theses direction
- Opinions of successful graduates

- Number and caliber of graduate students -- evidence of a mature working relationship between the students and the instructor, and evidence of the continued growth of the students
- Leadership in Education. Some faculty members may concentrate a large part of their effort outside of the classroom on the development or improvement of some of the many facets of education. Excellence in education might be measured by such factors as the following.
 - a) Development of new and effective techniques in instruction
 - b) The preparation of sound, challenging, and imaginative teaching materials, such as syllabi, case studies, tests, textbooks, and technical aids
 - c) Contributions to common courses, curriculum development, and deeper insights into the teaching and learning process
 - d) Publications on innovations in teaching, participation in professional organizations with an educational purpose, external seminars, lectures, and conferences on education

4.2 RESEARCH AND OTHER SCHOLARLY ACTIVITIES

Evidence of a productive and creative mind should be sought in the following areas.

- Sustained and disciplined effort as an individual or member of a group in current research that is well thought out, feasible, and likely to be of significance
- Publications in refereed journals (conference proceedings are normally not refereed and as such, are not as respected)
- Editorship or authorship of scholarly books or monographs.
- Competitive funding (national and local)
- Patents, copyrights, and/or invention disclosures
- Original engineering design work
- Respect of colleagues in his or her field for research ability

4.3 SERVICE ACTIVITIES

Factors to be considered in evaluating service activities include the following.

- Service to the engineering discipline: Service in local and national technical and professional organizations
- University Service: Participating in departmental, school and university activities, as well as contributing to student welfare through service on student-faculty committees and serving as an advisor to student organizations
- Public Service: Service by members of the faculty to the community, state, and nation
- Consulting: High-level consulting during the academic appointment can contribute to professional development

5. ACADEMIC RANK

The quality of any faculty is, in the final analysis, dependent upon policies of promotion in academic rank and tenure. Once tenure has been granted, recognition of the value of the faculty member may take place either through salary increases, or promotion, or both. Promotion, which provides public recognition of the faculty member's esteem, is of extreme importance to the individual and also of great importance to the School. Promotion from one rank to the next (Assistant Professor, Associate Professor, and Professor) results from appraisals made of actual performance in an educational environment. A person with no educational experience would rarely be appointed to the top rank unless he or she had an outstanding professional record indicative of continued scholarly work and probable effectiveness as a teacher.

Appraisals by their very nature are subjective. Apart from intrinsic qualities of the faculty member, there are also environmental considerations which bear upon promotability. Some of these considerations are eminence of associates and colleagues, persons already occupying various ranks, and the area of a person's expertise as related to the future of the discipline.

Promotions are based solely on merit and not upon seniority or length of service. A person should be promoted as rapidly as he or she earns it. Consideration for promotion should allow for the recognition of exceptional productivity and unusual achievement. There should be no age restriction on the various ranks.

5.1 ASSOCIATE PROFESSOR

An individual being considered for the academic rank of associate professor should have demonstrated excellence in the conduct of academic duties related to the three academic areas described in Section Four. Furthermore, the individual must show promise of continued intellectual growth.

5.2 PROFESSOR

This position is the highest academic rank at the University, except for the limited number of University Professors, Distinguished Professors, and Endowed Professorships. Ordinarily, an appointment as Professor requires the continued demonstration of excellence in the three areas of academic pursuit: teaching, research, and service. In addition, the individual should have achieved national recognition in a field of competence.

6. TENURE

The tenure policy of the School of Engineering conforms to the official policy of The University of Alabama at Birmingham as contained in the current edition of the UAB Faculty Handbook. Tenure reflects the principle of assuring a faculty member the security of appointment within the University on the basis of demonstrated capabilities and the promise of continuing intellectual development. It is achieved through a guarantee by the University that the individual will be given an indefinite appointment at least at the same faculty rank. The awarding of tenure is a serious and significant step for both the faculty member and the University. Tenure should be regarded as a most valuable possession, signifying a long-term commitment of resources by the University, matched by the sincere commitment of the faculty member to continued professional growth and achievement.

6.1 PROBATIONARY PERIOD

For any faculty member appointed to a regular tenure-earning faculty position, the non-tenured probationary period will not exceed a total of seven years at UAB. If tenure has not been awarded by the end of the sixth year of service at UAB, appointment for a seventh year will be a terminal appointment. Only in cases where there is substantial new evidence in support of candidacy for tenure may a candidate be reconsidered for tenure during the seventh year. As described in the UAB Faculty Handbook the probationary period may be reduced below seven years because of prior service.

6.2 CRITERIA FOR TENURE

The criteria for tenure are generally the same as for promotion. However, in view of the fact that tenure constitutes a major commitment by the University, a continuing record of achievement is required in order to obtain tenure. For this reason, an individual whose achievements have been excellent over a relatively short period of time might be considered for promotion without tenure.

3 SECTION 3. **Curriculum Vitae**

Executive Summary

Rouzbeh R. Nazari, PhD

Scholarship	Services	Teaching
<p style="text-align: center;"><u>Grants</u></p> <p>Total Funded Grant Proposals: \$19,386,900</p> <p>Total Funded Grant Proposals at UAB: \$8,149,083</p> <p style="text-align: center;"><u>Agencies and Roles</u></p> <ol style="list-style-type: none"> 2023-USDA-FINA, Role: PI, \$1,000,000 2023- USDA, Role: PI, \$210,000 2023- USDA, Role: Co-PI, \$191,900 2022- NSF, Role: Co-PI, \$6,000,000. UAB PI, Portion: 1,143,000 2023- EPA- P3, Role: Co-PI, \$25,000 2023- EPA- P3, Role: Co-PI, \$25,000 2022- USDA, Role: PI, \$240,754 2022-2025-NASEM, Role: Co-PI, \$450,000 2020- 2021, FGDP-UAB, Faculty Development Grant Program, Role: PI, \$10,000 2020- 2021, The Back of Envelop Award, UAB, Role: PI, \$10,000 2019-2021, UTC-USDOT, Role: PI, \$50,000 2019-2021 USDA, Role: PI, \$191,774 2018-2020 NSF, Role PI, \$50,000 2017-2020 NJ DEP, Role PI, \$72,575 <p style="text-align: center;"><u>Publications</u></p> <ul style="list-style-type: none"> Journal Papers Published: 40 Highest Journal Impact Factor: 11.7 Average Journal Impact Factor: 6.5 Book Chapters: 9 Conference Proceedings: 74 Papers Submitted/ Under Review: 12 TV and Newspaper Interviews: 15 Invited Talks/ Keynote Speaker: 47 <p style="text-align: center;"><u>Mentoring</u></p> <ul style="list-style-type: none"> Postdoctoral Research Fellow Mentoring: 6 PhD Student Mentoring: 10 Masters Students Mentoring: 19 	<p style="text-align: center;"><u>National</u></p> <ul style="list-style-type: none"> Chair: California Climate Action Initiative Review Panel, 2023 National Science Foundation, Proposal Review Panels, 2016-Present New York Sea Grant Technical Panel Review, 2021-2022 Alabama Sea Grant Technical Panel Review, 2022 <p style="text-align: center;"><u>Professional Affiliations</u></p> <ul style="list-style-type: none"> American Society of Civil Engineers The Association of Enviro. Engineering and Science Professors American Meteorological Society American Geophysical Union American Water Resources Association <p style="text-align: center;"><u>Editorial Boards and Journal Referees</u></p> <ul style="list-style-type: none"> Co-Editor in Chief: Journal of Flood Engineering (JFE) Editorial Boards: ASCE Natural Hazards Review Journal, Journal of Waste Management and Disposal, Reliability Engineering and Resilience, Civil Engineering Journal, Modern Subsea Engineering and Technology Journal Journal Referee: Over 15 Journals <p style="text-align: center;"><u>University</u></p> <ul style="list-style-type: none"> UAB Faculty Senate President's Wellbeing Collaborative University Research Committee UAB Live Health Smart Alabama Green Thumb Student Organization: Adviser SOPH EHS Department Faculty Search Committee <p style="text-align: center;"><u>Departmental and School</u></p> <ul style="list-style-type: none"> Department Research Committee Department Chair Search Committee Department Graduate Committee School Wide Research Committee Director of Smart Cities Research Center Liaison between CCEE and EHS 	<p style="text-align: center;"><u>Classes</u></p> <ul style="list-style-type: none"> CE 337 Hydraulics Designed and Developed Curriculum for the in-person and online CE 430-2D Water Supply/Drainage Design, Designed and developed a curriculum for the in-person and online CESC 602-QL, Intro Sustainable Smart Cities, Developed the Course Material and taught online CESC 616. Big Data and Smart Cities, Developed the Course Material and taught online <p style="text-align: center;"><u>New Coordinated Degree Program</u></p> <p>Developed the curriculum and Course Planning for two new coordinated programs and obtained university approval:</p> <ul style="list-style-type: none"> MSCE-MPH: 56 Hours Dual Degree Program PhD-MPH: 83 Hour Dual Degree Program <p style="text-align: center;"><u>Patents, Technology Commercialization, and Startups</u></p> <ul style="list-style-type: none"> Planetary Resilience, LLC, UAB Approved Startup, CTO and Founder CanAiry, LLC, UAB Approved Startup, CTO and Founder <p style="text-align: center;"><u>Patents</u></p> <ul style="list-style-type: none"> Inventor: An Innovative Framework for High-Resolution Quantitative Assessment of Flood Resiliency of Communities, Technology ID: 190701 Inventor: An Innovative Real-Time Environmental Exposure and Respiratory Health Assessment, Connecting Environment, Patients and Health Care Providers ID: FWA00005960

Dr. Rouzbeh R. Nazari

Director of The Sustainable Smart Cities Research Center (SSCRC), Associate Professor
Department of Civil, Construction and Environmental Engineering and Department of Environmental
Health Sciences,

University of Alabama, Birmingham

1075 Thirteenth Street South, Birmingham, Alabama 35294-4461

Phone: (205) 934 9378, Email: mazari@uab.edu

Education

CUNY Graduate Center, *PhD, Civil and Environmental Engineering (2010)*

CUNY Graduate Center, *M.S., Civil and Environmental Engineering (2008)*

CITY College of New York, *M.E., Civil and Environmental Engineering (2007)*

Isfahan University of Technology, *B.S., Natural Resources Engineering (2002)*

Academic Experience

2019-Present Director The Sustainable Smart Cities Research Center (SSCRC), UAB

2019-Present Associate Professor, Department of Civil, Construction and Environmental Eng., UAB

2019-Present Associate Professor, School of Public Health, UAB (Joint Appointment)

2018-Present Founder and Chief Technology Officer (CTO), Q-Peak Technology, Inc.

2018-Present Affiliation: Associate Professor, Center for Adv. Infra. and Trans. (CAIT), Rutgers University

2017-2019 Associate Professor, Department of Civil and Environmental Engineering, Rowan University
(*Awarded Merit Based Early Tenure*)

2014-2017 Assistant Professor, Department of Civil and Environmental Engineering, Rowan University

2012-2014 Research Assistant Professor, New York University, Center for Science and Progress (CUSP)

2009-2010 Research Associate, Columbia University, New York, NY

Patents

Inventor: An Innovative Framework for High-Resolution Quantitative Assessment of Flood
Resiliency of Communities, Technology ID: 190701

Inventor: An Innovative Real-Time Environmental Exposure and Respiratory Health Assessment,
Connecting Environment, Patients and Health Care Providers ID: FWA00005960

Honor And Awards

- The University of Alabama at Birmingham Nominee for the Blavatnik National Awards
- Research and Teaching Award, Civil and Environmental Engineering, Rowan University 2018
- ASCE ExCEED Fellow, 2016
- American Society of Civil Engineers, South Jersey, 2015
- FEMA Academic Recovery Team, 2014 and 2015
- The National Center for Atmospheric Research (NCAR) Advanced Study Program (ASP) Summer Colloquia Fellowship (2012)
- Space Science and Engineering Center/ University of Wisconsin-Madison Collaboration Grant (2011)
- American Geological Union Conference Grant (2010)
- First-place Award, Engineering Graduate Symposium, City University of New York (2009)
- City University Graduate Teaching Fellowship (2008)
- City University Research Travel Fellowship (2008)
- American Meteorological Union Conference Grant (2007)
- City University Tuition Fellowship (2008-2010)
- The Mott Hall-CCNY STARS Award (2006)
- Graduate Center of CUNY Science Fellowship (2004-2008)

Research Interests

Climate Resiliency, Extreme Events and Natural Disasters, Hydrodynamic and Hydroinformatic Simulations, Urban Water Modeling and Monitoring, Flood Resiliency Modeling and Planning Application of Remote Sensing in Environment; Water, Environment Systems and Public Health, Landfill Monitoring and Management, Urban Heat Island, Climate Change Impact on Environment and Human Health

Teaching Interests

Fluid Mechanics; Hydraulics; Water Resources Management; Global Hydrology; Groundwater Hydrology; Hydrometeorology; Environmental Sciences; Environmental Health and Human; Environmental System Process; Earth and Atmospheric Science; Environmental Impact Assessment; Environmental Economics; Environmental Systems Management; Mapping and Geographic Information System (GIS); Remote Sensing of the Environment; Global Hazard of the Environment, Urban and Environmental Monitoring; Global Hazard of the Environment, Environmental Regulations and Waste Management

Grants And Projects

Total Awarded Funding: \$19,386,900 (Total Funded Grant Proposals at UAB: \$8,152,349)

1. **PI** United States Department of Agriculture (USDA) NIFA: Catalyzing Local Food Value Chain Development through a Cross-functional Alliance and Economic Investment in Birmingham, Alabama, July 1st, 2023 – June 30st, 2027, \$1,000,000
2. **Co-PI (UAB PI: Portion: \$1,143,000)** National Science Foundation (NSF), FII Track-2 FEC: Facilitating Ubiquitous Technology Utilizing Resilient Eco-friendly Sensors, Teresa Murray, **Rouzbeh Nazari**, Maryam Karimi, Harish Subbaraman, Prabhu Arumugam and Shuk-Mei Ho, November 1st, 2022 – October 31st, 2026, \$6,000,000, UAB Portion, \$1,143,000
3. **PI** United States Department of Agriculture (USDA), Development of Multi-Scale Non-Invasive In Situ and Remote Sensing Techniques for Proactive Waste Management: Demonstration and Training, Rouzbeh Nazari, Maryam Karimi, Wesley Zech and Lisa McCormick, October 1st 2023 - September 30st 2024, \$210,449
4. **Co-PI** United States Department of Agriculture (USDA), Solid Waste Management Impact on Soil-Water Resources Across the Underserved Rural Communities of Black-Belt and the Deep South of Alabama and Mississippi. October 1st 2023- September 30th 2024, \$191,900
5. **PI** United States Department of Agriculture (USDA), Development of Multi-Scale Non-Invasive In Situ and Remote Sensing Techniques for Proactive Waste Management: Demonstration and Training, Rouzbeh Nazari (PI), Maryam Karimi (Co-PI), Wesley Zech and Lisa McCormick, October 1st 2022 - September 30st 2023, \$250,000
6. **CO-PI** The National Academies' of Science and Engineering, Gulf Research Program (GRP), Coastal Communities Knowledge Development and Technical Assistance, January 2022- December 2025, \$450,000
7. **CO-PI** US EPA, Modelling Outdoor Comfort with UAV-based Digitization Technique and a Comfort Tracking System for Underserved Communities. August 1st, 2023 – July 31st, 2024, \$25,000
8. **CO-PI** US EPA, Urban water pollution extent and impact on the Village Creek in Birmingham, AL – Analysis and Mitigation strategies. August 1st, 2023 – July 31st, 2024, \$25,000
9. **PI** University of Alabama at Birmingham (UAB), Developing a Framework for Infectious Disease Transmission and Spread using SARS, MERS and COVID-19 Data, **Rouzbeh Nazari**, Maryam Karimi, Lisa McCormick, May 1st 2020 - April 30st 2021, \$10,000

10. **PI** United States Department of Transportation (DOT), Regional UTC Program. The resiliency of the transportation systems under extreme storm events, September 1st 2019-August 31st 2020, \$101,800
11. **PI** United States Department of Agriculture (USDA), Development of Multi-Scale Non-Invasive In Situ and Remote Sensing Techniques for Proactive Waste Management: Demonstration and Training, **Rouzbeh Nazari (PI)**, Jess Everett (Co-PI), Nidhal Bouaynaya (Co-PI), Maryam Karimi (Co-PI), October 1st 2019 - September 30st 2020, \$191,774
12. **PI** (Institutional) U.S. Department of Transportation, Region 2 University Transportation Center (UTC), Ali Maher (Rutgers PI), Rouzbeh Nazari (Rowan PI), June 2018- June 2021, \$7,711,800, Rowan Share, \$800,000
13. **PI** National Science Foundation (NSF), I-Corp: An innovative framework for high-resolution quantitative assessment of flood resiliency, **Rouzbeh Nazari (PI)**, September 1st 2018-August 31st 2019, \$50,000
14. **PI** Armand Corporation: Practical Study of Local and Regional Resilience Planning for Critical Infrastructure Systems and Communities in Coastal Zones, **Rouzbeh Nazari (PI)**, August 15th 2018-November 14th 2020, \$152,019
15. **PI** New Jersey DEP, Drone Based Aerial Progress Monitoring of Seawall Repair and Construction Project for Sea Bright and Monmouth Beach, **Rouzbeh Nazari (PI)**, December 13th 2017-November 14th 2020, \$72,575
16. **PI** United States Department of Agriculture (USDA), Development of Multi-Scale Non-Invasive In Situ and Remote Sensing Techniques for Proactive Waste Management: Demonstration and Training, **Rouzbeh Nazari (PI)**, Jess Everett (Co-PI), Nidhal Bouaynaya (Co-PI), Peter Romanov (Co-PI), Jordan Howell (Co-PI), Christine Nolan (Co-PI), October 1st 2017 - September 30st 2018, \$170,000
17. **PI** New Jersey Department of Community Affairs (NJDC), Impact-Based Decision-Making Framework for Community-based Resiliency Planning under Extreme Storm Events, **Rouzbeh Nazari (PI)**, Jess Everett (Co-PI), Parth Bhavsar (Co-PI), Beena Sukumaran (Co-PI), Ralph Dusseau (Co-PI), Kauser Jahan (Co-PI), George D. Lecakes Jr. (Co-PI), DeMond S. Miller (Co-PI), Zachary Christman (Co-PI), Amir Iranmanesh (Co-PI), October 1st 2016 - August 31st 2018, \$800,052.00
18. **PI** United States Department of Agriculture (USDA), Proactive Waste Management Through Infrared Thermography for Landfill Monitoring and Fire Warning, **Rouzbeh Nazari (PI)**, Jess Everett (Co-PI), Nidhal Bouaynaya (Co-PI), Peter Romanov (Co-PI), Jordan Howell (Co-PI), Christine Nolan (Co-PI), October 1st 2016 - September 30st 2018, \$150,000.00
19. **Co-PI** National Science Foundation (NSF), Engaging In Stem Education With Big Data Analytics And Technologies: A Rowan-Cove Initiative, Nidhal Bouaynaya (PI), **Rouzbeh Nazari (Co-PI)**, John D. Moore (Co-PI), Kevin D. Dahm (Co-PI), Ravi P. Ramachandran (Co-PI), October 1st 2016 - September 30st 2019, \$ 299,930.00
20. **PI** University Transportation Research Center (UTRC), Evaluation of Simulation Models for Road Weather Information System, **Rouzbeh Nazari (PI)**, Hao Wang (Co-PI, Rutgers University), September 1st 2016 - January 31st 2018, \$75,000.00
21. **PI** New Jersey American Water (NJAW), Implementation of Unmanned Aerial Systems (UAS) for Water Resource Management, **Rouzbeh Nazari (PI)**, May 1st 2016 - January 31st 2017, \$185,000.00
22. **PI** New Jersey American Water (NJAW), Developing A Geodatabase for Water System Data Collection, **Rouzbeh Nazari (PI)**, May 1st 2016 - January 31st 2017, \$135,000.00

23. **PI** Rowan University Seed Funding, Integration of Satellite, Airborne and Ground-Based Infrared Thermography of Landfills for Fire Warning and Monitoring, **Rouzbeh Nazari (PI)**, September 2015- September 2016, \$10,000
24. **Co-PI** University Transportation Research Center (UTRC), Risk analysis of autonomous vehicles in mixed traffic streams, Parth Bhavsar (PI), **Rouzbeh Nazari (Co-PI)**, Mashrur Chowdhury (Co-PI), June 1st 2015 - August 31st 2016, \$79,960.00
25. **Co-PI** NJARNG, Rowan University Energy Intern Program & BIM Pilot Program, Everett, J. (PI), W. Riddell (Co-PI), R. Krchnavek (Co-PI), **R. Nazari (Co-PI)**, 2015-2016, \$178,601
26. **Co-PI** Assessment of the Air Quality Impact of Traffic Congestion, University Transportation Research Center (UTRC), Masoud Ghandehari (PI), John Falcocchio (PI), Rouzbeh Nazari (PI), September 2012- September 2014, \$100,000

Peer Reviewed Journal Publications

1. Mujungu Lawrence Museru, **Rouzbeh Nazari**, Abolfazl N. Giglou, Kofi Opare, Maryam Karimi, Advancing flood damage modeling for coastal Alabama residential properties: A multivariable machine learning approach, *Science of The Total Environment*, Volume 907, 2024, 167872, ISSN 0048-9697, <https://doi.org/10.1016/j.scitotenv.2023.167872>.
2. Abolfazl Nazari Giglou, **Rouzbeh Nazari**, Farhad Jazaei, Maryam Karimi, Numerical analysis of surface hydrogeological water budget to estimate unconfined aquifers recharge, *Journal of Environmental Management*, Volume 346, 2023, 118892, ISSN 0301-4797, <https://doi.org/10.1016/j.jenvman.2023.118892>.
3. Samain Sabrin, Maryam Karimi, **Rouzbeh Nazari**, The cooling potential of various vegetation covers in a heat-stressed underserved community in the deep south: Birmingham, Alabama, *Urban Climate*, Volume 51, 2023, <https://doi.org/10.1016/j.uclim.2023.101623>.
4. Giglou, Abolfazl Nazari, **Rouzbeh Nazari**, Farhad Jazaei, and Maryam Karimi. "Assessing the effects of increased impervious surface on the aquifer recharge through river flow network, case study of Jackson, Tennessee, USA." *The Science of the Total Environment*: Volume 872, 2023. <https://doi.org/10.1016/j.scitotenv.2023.162203>
5. Samain Sabrin, Maryam Karimi, **Rouzbeh Nazari**, Modeling heat island exposure and vulnerability utilizing earth observations and social drivers: A case study for Alabama, USA, *Building and Environment*, Volume 226, 2022, <https://doi.org/10.1016/j.buildenv.2022.109686>.
6. Kamali, M.I., Ansari, H. & **Nazari, R.** Optimization of Applied Water Depth Under Water Limiting Conditions. *Water Resource Management* (2022). <https://doi.org/10.1007/s11269-022-03241-x>
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66. Eslamian, S. S., Ghoudarzi, A. and **Nazari, R.** Investigation of the Changes of Permeability, Physical and Chemical Characteristics of Sediment Basins for Artificial Recharge In Bagh-E-Sorkh Region, Shahreza, Isfahan, 22nd Annual International Conference on Soils, Sediments and Water, University of Massachusetts at Amherst, 2006
67. **Nazari, R.** Mahani, S. and Khanbilvardi, R. Changes in Sea Surface Temperature and North Atlantic Hurricane Activities, AGU Joint Assembly, Baltimore, Maryland, May 23-25 2006,
68. **Nazari, R.** Mahani, S. and Khanbilvardi, R. Impacts of Climate Change and Tropical Storms (Hurricanes) on Coastal regions, 27th Conference on Hurricanes and Tropical Meteorology, Monterey, California, 2006
69. **Nazari, R.** and Eslamian, S. S., Management, Optimization and Simulation for an Optimum Distribution of Water in Kalamarz Multi-Reservoir System, Mianeh Basin. 6th International Conference on Hydro science and Engineering (ICHE-2004), Australia, May 30-June 2, 2004.
70. **Nazari, R.,** Tabatabaei H., Abedi Koupai, J., A Mathematical & Management Model of Ground Water with Emphasis on Artificial Recharge for Damaneh Plain, The Second International Conference on Salt Water Intrusion and Coastal Aquifers, Mirada, Mexico, 2003
71. Eslamian, S. S., Khatoonabadi, S. A., Hamadani, A. and **Nazari, R.,** Water Resources Mismanagement and Desertification of a Semiarid Region, Gahavand Plain, Seventh International Conference on Dry Land Development: Sustainable Development of Dry Lands in the 21st Century, The International Dry Lands Development Commission (IDDC), Tehran, Iran. 2003
72. **Nazari, R.** and Eslamian, S. S. Hydrological Homogeneity Test of Catchments Using L-moments Diagram, International Conference on the Rational Use and Conservation of Water Resources in a Changing Environment, Yerevan, Armenia, 2003
73. Eslamian, S. S. and **Nazari, R.,** Economic Evaluation of an Iranian Water Resources Project, Third Conference on Agriculture and Natural Resources, Iran and Russia, Moscow. 2002
74. Eslamian, S. S., Ashtari A. and **Nazari, R.,** A Traditional System of Water Harvesting, Turkey Nest, International Conference of Human and Water, Ramsar, Iran. 2002

Student Presentations

75. Zimmerman, T., McKane, I.H., Martin, R.A., Nguyen, T., Principato, R.L., Wagner, S.M. and Nazari, R. The Role of Drones in Mapping Models, The Role of Drones in Mapping Models, Rowan University STEM Research Symposium, April 21, 2017

76. Principato, R.L., Zimmerman, T., McKane, I.H., Martin, R.A., Nguyen, T.T.T, Wagner, S.M. and Nazari, R. Flood Modeling for the Measurement of Resiliency, Rowan University STEM Research Symposium, April 21, 2017
77. Martin, R.A., Principato, R.L., Zimmerman, T., McKane, I.H., Nguyen, T.T.T, Wagner, S.M. and Nazari, R. Development of a Resiliency and Vulnerability Index for community usage during storm events, Rowan University STEM Research Symposium, April 21, 2017
78. Dorofy, P.T., Conroy, M.S., Grosnick, M.A. and Nazari, R. Remote Sensing of Sea Ice, Rowan University STEM Research Symposium, April 21, 2017
79. Stacker, M.E., Karsiotis, A.M., Dvorak, G.J. and Nazari, R. Proactive Waste Management Through Infrared Thermography for Landfill Monitoring and Fire Warning, Rowan University STEM Research Symposium, April 21, 2017
80. Minner, N., Nazari, R. and Spanos, N.J. Road Weather Information System, Rowan University STEM Research Symposium, April 21, 2017
81. Fasolo, A.J., Getler, A.M., Heaning, K.G., Sohail, S. and Nazari, R. Storm Resiliency Visualization, Rowan University STEM Research Symposium, April 21, 2017
82. Ross, A., T. Paronich, A. Musilli, and Nazari, R. Remote Sensing of Land Surface Temperature of Landfills and Risk Assessment, Rowan University STEM Research Symposium, April 22, 2016
83. Dorofy, P., Nazari, R., Joyner, G. and Plucinsky, A. Remote Sensing of Sea Ice: Satellite Reflectance over the Great Lakes, Rowan University STEM Research Symposium, April 22, 2016
84. Musilli, A. Tyler S. Ross, A. Ledig, J. Woodruff, I. Haskell, A. Motto, M. Bouaynaya, N. **Nazari, R.** Remote Sensing of Land Surface Temperature of Landfills and Risk Assessment, Rowan University STEM Research Symposium, April 24, 2015
85. Candelaria, K. Cohen, R. Davidson, T. Musilli, A. Austen, M. Cetrullo, N. **Nazari, R.** Understanding Thermal Neighborhoods, Rowan University STEM Research Symposium, April 24, 2015
86. C. Hurler, A. Plucinsky, K. Sooy, J. Stenger, **Nazari, R.** Application of Hydrodynamic Modeling in Extreme Storm Assessment Scenarios, Rowan University STEM Research Symposium, April 24, 2015
87. Varghese, K. Dorofy, P. **Nazari, R.** Establishing a Geospatial Intelligence Pipeline through Earth SySTEM Education, Rowan University STEM Research Symposium, April 24, 2015

Invited Talks And Keynote Speech

1. Proactive Waste Management and Landfill Fire Monitoring, ASCE Alabama Annual Meeting 2023
2. Coastal Flooding from Hurricane Sandy: Demonstrating Resiliency Planning and Evacuation Urban Coastal Environments Translating Complex Data into Usable Products, National Ocean and Atmospheric Administration (NOAA) Pathfinder, 2023
3. Disaster Resilience Solutions for Sustainable Smart Cities of Tomorrow, Stockholm Smart City Conference and Expo, 2023
4. High-Resolution Hydrodynamic Modeling And Flood Damage Assessment In Complex Urban Systems, Jupiter Intelligence, 2022
5. Natural Hazard Resiliency in the Face of Climate Change for Coastal Communities at Risk, University of Hawaii, Manoa, 2022
6. A Scientific Approach To Global Warming And Climate Change, Rutgers Environmental Stewardship, Sponsored by Cape May City, November 2021

7. A Decision-Making Framework Based on Coupled Plasticity-Damage Model for Structural Flood Resiliency Analysis of Earthen Structures, ASCE Birmingham Branch, May 2021
8. Sustainable and Smart Urban Resilience, Oak Ridge Associated Universities (ORAU), Smart Cities and Communities Conference 2020
9. Coastal Community Resilience in the Face of Growing Extreme Storm Events, New Jersey Department of Environmental Protection, August 2019
10. Quantifying Community Resilience through Multi Scale Modeling and incorporation of Satellite Data, UAB School of Public Health 2019
11. An Innovative New Tool for Damage and Resilience Assessment of Earthen Structures Threatened by Extreme Storm Events, American Society of Civil Engineers, South Jersey Chapter, 2019
12. Application of Drone Based Thermal Sensing for Landfill Management, New Jersey Meadowlands Environmental Research Institute, Rutgers, 2018
13. Structural Damage and Resilience Assessment of Urban Coastal Communities, Pennoni Engineering, Philadelphia, 2018
14. Big Data Analysis Application for Coastal Resiliency Planning, NJMedia/NJ.com, New Jersey, 2018
15. Parcel Based Damage and Casualty Assessment, Wright Flood Insurance Company, New Jersey, 2018
16. Application of High Resolution Data in Coastal Structural Damage and Resilience Assessment, The Mott MacDonald Engineering Group, Iselin, NJ 2018
17. Assessing Resilience and Vulnerability of Woodbridge Township Coastal Communities Through Multi-Scale Hydrodynamic Modeling, Woodbridge, NJ 2018
18. Development of a Resilience and Vulnerability Assessment for Brick Township Coastal Community, Brick, NJ 2018
19. High Resolution Parcel Based Damage and Resilience Index for Casualty Assessment, Brown and Brown Company, New Jersey, 2018
20. Keynote Speaker, Resiliency Symposium, Rowan University, June 16th, 2017
21. Invited Speaker, Application of Drones and Satellite Based Remote Sensing in Solid Waste Management and Landfill Monitoring, SWANA New Jersey Chapter 2017 Annual Spring Conference, Sustainability Through Innovation & Technology, April 2017
22. Keynote Speaker, Application of Satellite and Drone Based Sensing In Water Resources Management, First Imaginovation Session of 2017, I spy with my little eye, American Water, April 2017
23. Keynote Speaker, Application of Remote Sensing and Drone Technologies in Advance Water Resources Management, Utility of The Future, American Water Symposium IV, 2016
24. Keynote Speaker, Effective Applications of an Enhanced Fine-Scale Hydraulic Model for Coastal Community Resiliency, NJAFM 12th Annual Conference, 2016
25. Keynote Speaker, Monitoring Harmful Algae Bloom (HABs) Using Remote Sensing Platforms, Second Imaginovation Conference, 2016
26. Keynote Speaker, Enhanced Hydrodynamic Modeling for Resiliency Planning, New Jersey Coastal Coalition Meeting, 2016
27. Keynote Speaker, Extreme Storm Events Impact on Southern New Jersey Coastal Communities, American Water Symposium, 2015
28. Resiliency Planning in the Light of Extreme Storm Events, American Society of Civil Engineers, South Jersey Chapter, 2015

29. Sea-Level Rise And Extreme Storm Events Impacts on The Transportation Infrastructures, Rutgers University, 2014
30. Urban Heat Island Assessment Using High Resolution In Situ and Satellite Datasets, Drexel University, 2014
31. Coping With Climate Change In Urban Environments, New York University, Center For Urban Science And Progress (CUSP), 2014
32. Energy Production From Urban Runoff And Grey Water, University Of Rhode Island
33. Characterizing Environmental Factor For Climate Health Impacts And Asthma In Urban Environment, Columbia Presbyterian Hospital, 2013
34. Global Water Security, Florida Atlantic University, 2013
35. Climate Change And Water In Semi-Arid Regions Water Resources, California State University, 2012
36. Applications of Remote Sensing In Water Resources And Environment, Florida International University, 2012
37. Development Of An Advanced Technique For Mapping And Monitoring Sea And Lake Ice, University Of Madison Wisconsin, 2012
38. Coastal Flood Risk Analysis For The Urban And Coastal Areas, Today And Future Sea Levels, Steven Institute of Technology, 2011
39. Invited Speaker, NASA Jet Population Laboratory (JPL), California Institute of Technology, 2013
40. Invited Speaker, National/Naval Ice Center, Washington D.C., 2013
41. Invited Speaker and Visiting Scientist at University of Wisconsin-Madison, Space Science and Engineering Center, 2012
42. Invited Speaker at Earth Institute of Columbia University, The International Research Institute for Climate and Society, 2012
43. Jacobi Medical Center, Albert Einstein College of Medicine, Yeshiva University (2010) Consultant on Environmental Impact of Air Pollution and Aerosol Mapping and Modeling for Asthma Research Center
44. Invited Speaker at NASA Goddard Institute for Space Studies (GISS), 2010
45. Visiting Fellow, Exploring the Atmosphere: Observational Instruments and Techniques at NCAR-Advance Study Program, Boulder, Colorado, 2009
46. Visiting Scholar at NOAA- Cooperative Institute for Research in the Atmosphere (CIRA), Colorado State University, Fort Collin, Colorado, 2008
47. Visiting Scholar at NOAA- NESDIS Center for Satellite Applications and Research (STAR), College Park, Maryland, 2007

Professional Affiliations

- American Society of Civil Engineers (ASCE)
- The Association of Environmental Engineering and Science Professors (AEESP)
- American Meteorological Society (AMS)
- American Geophysical Union (AGU)
- American Water Resources Association (AWRA)
- Institute of Electrical and Electronics Engineers (IEEE)

Thesis

Rouzbeh Nazari (2010), Development of An Advanced Technique for Mapping And Monitoring Sea And Lake Ice Using Remotely Sensed Data, PhD Thesis, Department of Civil Engineering, City University of New York

Rouzbeh Nazari (2006), Hydrodynamic Modeling of Wake Perception, Propagation and Wake-tracking in Newtonian Fluids, Master Thesis, Department of Civil and Environmental Engineering, City University of New York

Rouzbeh Nazari (2002), Impact of Water Pollution and Hydrologic Changes on Aquatic Ecosystems and Fish Population in Black River, B.E. Thesis, Department of Natural Resources Engineering, Isfahan University of Technology

Selected Review Panels And Journal Editorials And Referee

National Science Foundation: Proposal Review Panels, 2016-Present

Chair: California Climate Action Initiative Review Panel, 2023

New York Sea Grant: Technical Panel Review, 2021-2022

Alabama Sea Grant: Technical Panel Review, 2022

Co-Editor in Chief: Journal of Flood Engineering (JFE)

Editorial Boards: ASCE Natural Hazards Review Journal, Journal of Waste Management and Disposal, Reliability Engineering and Resilience, Civil Engineering Journal, Modern Subsea Engineering and Technology Journal

Special Issue Editor: Journal of Applied Sciences: "Building Resilient, Smart and Sustainable Communities: Latest Advances and Prospects"

Special Issue Editor: Journal of Urban Science Sciences: "Empowering Urban Resilience: Sustainable Smart Solutions and Advanced Technologies for Community-Centric Development"

Journal Referee: Journal of Water Resource Management; Urban Climate; Science of The Total Environment; Sustainable Cities and Society; Agricultural Water Management; Atmospheric Research; Journal of Hydrology; Natural Hazard Review; Waste Management; International Journal of Hydrology Science and Technology (IJHST); Remote Sensing; Environmental Management; Urban Science; International Journal of Water; Applied Sciences; International Journal of Constructed Environment; and The Journal of Transportation Engineering

Student Supervision And Thesis Committee

Post-Doctoral Research Associates

1. Dr. Abi Giglou

Expertise: Hydrogeological Modeling, Surface and Groundwater

Ph.D: University of Memphis

2. Dr. Mohammad Ismael Kamali

Expertise: Geospatial Analytics, Remote Sensing, Agricultural Irrigation

Ph.D: University of Mazandaran

3. Dr. Fahad Rabbani

Expertise: Hydrodynamic Modeling, Floodplain Management

Ph.D: University of Alabama at Birmingham

4. Dr. Samain Sabrin

Expertise: Environmental Modeling, Satellite Remote Sensing, and Data Assimilation

Ph.D: University of Alabama at Birmingham

5. Dr. Dot Lundberg

Expertise: Hydrodynamic Modeling, Floodplain Management

Ph.D: University of Maryland

6. Dr. Mohamad Motamedi

Expertise: Structural Resiliency Modeling

Ph.D: University of Illinois at Chicago

PhD Students

1. Jennifer Toney, PhD Advisor, Civil, Construction and Environmental Engineering, UAB, 2025
2. Kofi Opare, PhD Advisor, Civil, Construction and Environmental Engineering, UAB, 2025
3. Mujunu Museru, PhD Advisor, Civil, Construction and Environmental Engineering, UAB, 2025
4. Richard Hawkin, PhD Advisor, Civil, Construction and Environmental Engineering, UAB, 2025
5. Aishwarya Kaushal, PhD Co-Advisor, Environmental Health Sciences, UAB, 2025
6. Fahad Rabbani, PhD Advisor, Civil, Construction and Environmental Engineering, UAB, 2021
7. Samain Sabrin, PhD Advisor, Civil, Construction and Environmental Engineering, UAB, 2021
8. Husam Alfergani, PhD Advisor, Electrical and Computer Engineering, Rowan University, 2019
9. Isabel Perez, PhD. Mentor, Civil and Envir. Engineering, City University of New York, 2014
10. Soha Gholitabar, PhD. Mentor, Civil and Envir. Engineering, New York University, 2014

M.S. Students

11. Mujunu Museru, M.S., Advisor, Civil, Construction and Envir. Engineering, UAB, 2023
12. Bhuvan Yandra, M.S. Advisor, Civil, Construction and Envir. Engineering, UAB, 2023
13. Jaiden Hatch, M.S. Advisor, Environmental Health Sciences, UAB, 2023
14. Selami Buzluk, M.S. Advisor, Civil, Construction and Environmental Engineering, UAB, 2022
15. Qing Sun, M.S. Advisor, Civil, Construction and Environmental Engineering, UAB, 2021
16. Mukti Patel, M.S., Advisor, Civil, Construction and Environmental Engineering, UAB, 2021
17. Gurcharan Singh, MS Advisor, Civil, Construction and Envir. Engineering, UAB, 2020
18. Rose Mei Liu Albert, M.S., Co-Advisor, Environmental Health Sciences, UAB, 2020
19. Drashti Kishor Shah, M.S., Co-Advisor, Environmental Health Sciences, UAB, 2020
20. Deep Patel, M.S., Co-Advisor, Electrical and Computer Engineering, Rowan University, 2020
21. Fahad Rabbani, M.S. Advisor, Civil, Construction and Envir. Eng., Rowan University, 2018
22. Samain Sabrin, M.S. Advisor, Civil, Construction and Envir. Eng., Rowan University, 2018
23. Daria Dutova, M.S. Advisor, Civil and Environmental Engineering, Rowan University, 2018
24. Katie Miller, M.S. Advisor, Civil and Environmental Engineering, Rowan University, 2018
25. Aurora Musilli, M.S. Advisor, Civil and Environmental Engineering, Rowan University, 2017
26. George Nubo, M.S. Advisor, Civil and Environmental Engineering, Rowan University, 2016
27. Peter Dorofy, M.S. Advisor, Civil and Environmental Engineering, Rowan University, 2016
28. Christopher Seigel, M.S. Committee, Civil and Envir. Engineering, Rowan University, 2015
29. Erie Green, M.S. Mentor, Earth and Envir. Sciences, City University of New York, 2014
30. Magdalena Rychtecka, M.S. Mentor, Civil and Envir. Eng., City Univ. of New York, 2013
31. Sergio H. Irizarry, M. S. Mentor, Civil and Envir. Engineering, City Univ. of New York, 2013

Funded Undergraduate Interns

Rebeca Martin, Ian McKane, Christopher Young, Kelly Pham, Jed Vergara, Shane Kelly, Uriel Clark, Lonnie Souder, Rebecca Adamo, Nicholas Ambrose, Peter Awolumate, Matthew Bresan, Mike Cameron, Ureil Clark, Paul Entwistle, Eric Johnson, Megan Mittenzwei, Mike Moore, Mitchell Rudy, Navjot Singh, Angelic Tucker, Charles White, India Woodruff, Jenna Ledig, Christine Goins, Matthew Bresan, Neirouz Bouhira

Engineering Clinics (Junior/Senior Clinic, PI)

1. Shane Wagner, Tri Nguyen and Ian McKane (CEE), Hydrodynamic Modeling of Extreme Storm Events, Fall 2016 and Spring 2017
2. Andreas M. Karsiotis, Gerod J. Dvorak, Matthew E. Stacker (CEE), Proactive Waste Management and Remote Sensing of Landfills, Fall 2016 and Spring 2017
3. Nicholas Spanos, Nicholas Minner (CEE), Road Weather Information System, Fall 2016 and Spring 2017

4. Michael S. Conroy, Matthew A. Grosnick and Peter T. Dorofy (CEE) Remote Sensing of Sea Ice, Fall 2016 and Spring 2017
5. Collin Hurler, Andrew Plucinsky, Joshua Stenger, Kyle Sooy (CEE), Impact Assessment of Extreme Storm Events on Infrastructures in Northeast, Fall 2015 and Spring 2016
6. Adam Ross and Thomas Paronich (CEE), Calibration of Satellite Thermal Infrared Channel to Estimate Land Surface Temperature, Fall 2015 and Spring 2016
7. Kimberly Gabel and Austin Gould, (CEE), Understanding Thermal Neighborhoods in Mixed Urban Settings, Fall 2015 and Spring 2016
8. Nick Mineer, Nick Spanos, Dr. Reza Yadollahi (CEE), Non-destructive Testing of Payments, Fall 2015 and Spring 2016
9. Ryan Lee, Christopher Brzozowski (CEE), Development of Landfill Risk Index, Spring 2015 and Fall 2016
10. Collin Hurler, Andrew Plucinsky, Joshua Stenger, Kyle Sooy (CEE), Impact Assessment of Extreme Storm Events on Infrastructures in Northeast, Fall 2014 and Spring 2015
11. Jenna Ledig, Aurora Musilli, Adam Ross, Tyler Seifrit, India Woodruff (CEE) & Adam Haskell and Matthew Motto (ECE), Calibration of Satellite Thermal Infrared Channel to Estimate Land Surface Temperature, Fall 2014 and Spring 2015
12. Robert Cohen, Tanner Davidson (CEE), Kate Candelaria, Matthew Austen and Nicholas Cetrullo, (ECE), Understanding Thermal Neighborhoods in Mixed Urban Settings, Fall 2014 and Spring 2015
13. Kevin Varghese and Peter T. Dorofy (CEE) Application of Earth SySTEM in Establishing a Geospatial Intelligence Pipeline, Spring 2015 and Fall 2015

Peer-Reviewed Technical Reports

Rouzbeh Nazari, Masoud Ghandehari, John Falcocchio, Air Quality Impact of Traffic Congestion in Midtown Manhattan. University Transportation Research Center (UTRC) Final Report, Project No: 49997-43-24, 2014

Rouzbeh Nazari, Megan Wiley, Frank W. Grasso, Olfactory and Hydrodynamic Contributions to Wake Perception and Wake-tracking Behavior in catfish, Grant Final Report. City University of New York, June 2005

Service

The University of Alabama at Birmingham

- Serving on President's Wellbeing Collaborative
- Senator, University Faculty Senate
- University Research Committee
- Science Lead, UAB Live Health Smart Alabama
- Serving on CCEE Chair Search Committee
- Serving as the Director of SSCRC
- Graduate Program Committee
- Department Research Committee

Rowan University

- Chair, Graduate Program Committee
- Faculty Advisor: United States Green Building Council
- Civil Engineering Department Faculty Search Committee 2016 & 2017
- Alternate Delegate to University Faculty Senate 2015 & 2016

- Faculty Advancement and Training Committee 2015 & 2016
- Geology Department Faculty Search Committee 2017
- Curriculum Committee for the New School of Geology and Environment 2016 & 2017
- Director of Innovation Center Search Committee 2016
- Coordinator of Department Seminar Series 2014 & 2015

The City University of New York

- Ex officio Member of The Board of Trustees of City University of New York
- Member of Chancellor's Search Committee for Provost
- Chairperson University Student Senate
- Vice Chair for Graduate Student Affairs at University Student Senate
- Executive Committee Doctoral Students' Council
- Chair of Graduate Committee, the University Student Senate
- Civil Engineering Doctoral Student Council (President 2005-2007, Vice President 2004-2005)

4 SECTION 4. **Evidence of Teaching Effectiveness**

4.1 Teaching Philosophy

Teaching is a passion I have nurtured since childhood, having been exposed to the profession through my parents. I started teaching in middle school, where I would help my classmates understand complex concepts. Over the years, I have been privileged to mentor, collaborate with, and teach students at various levels. This experience has enabled me to develop new educational materials and techniques suitable for teaching and research applications. To me, teaching is about sparking curiosity in students and inspiring them to be passionate about learning. A motivated and curious student is an excellent student. However, not all students come to the classroom with the same curiosity and enthusiasm. Therefore, as a teacher, I am responsible for presenting the subject matter engaging and excitingly, highlighting its relevance to real-world problems. I aim to awaken each student's latent desire to learn through practice. A good teacher must also teach students how to approach the subject matter and how to think critically. This is especially crucial in introductory courses. As an educator, I see myself as an architect, building a foundation for future success. Therefore, I believe the teacher's work starts long before they enter the classroom. It begins with preparing materials that inspire, encourage and provide enduring guidance. In senior-level courses, collaboration, planning, design, presentation, and critical review are the focus areas. Large scientific and engineering projects are rarely an individual's work, and students must learn to organize and work as teams. Time management, planning, and design are essential skills that are often overlooked in traditional curricula. Thus, I believe creating classroom activities that address these issues is essential. Lastly, teaching students the power of judgment the ability to critique the work of others is a necessary precursor to evaluating their work accurately. Incorporating critical thinking into classwork is crucial to developing students' ability to evaluate information independently and wisely. In conclusion, my teaching philosophy centers on creating an environment where students actively participate rather than passively observe the learning process. My goal is to motivate and inspire students, nurture their curiosity, and provide them with the skills and knowledge necessary for success in the real world.

4.2 Excellence in Course Materials

Course materials stand as the backbone of a student's educational journey, wielding immense influence over their academic growth. They are more than just resources; they are compasses guiding students through the vast terrain of knowledge, instigating curiosity, and facilitating a deeper understanding of complex concepts. As a custodian of knowledge, I view course materials as an art form—an intricate tapestry woven with precision and care. These materials aren't merely repositories of information; they are pathways leading students from foundational principles to the intricate nuances of contemporary challenges within the discipline. They embody the essence of learning, encapsulating diverse perspectives, historical context, and cutting-edge developments. In every class, I meticulously curate a blend of primary texts, supplementary readings, multimedia resources, and real-world case studies. This curated mosaic aims not only to fortify students' grasp of fundamental concepts but also to provoke their intellectual curiosity to venture beyond the familiar. These resources aren't just about mastering content; they are invitations to explore, question, and critically analyze. They offer a roadmap for students to navigate the terrain of ideas, encouraging

them to seek connections, challenge assumptions, and foster a habit of lifelong learning. By introducing materials that extend beyond the confines of textbooks, I aim to cultivate a culture of intellectual exploration. These resources serve as springboards for students to dive deeper into their areas of interest, fostering a sense of autonomy and curiosity-driven inquiry. Additionally, they are designed to foster an inclusive learning environment, acknowledging diverse learning styles and catering to various academic strengths. Recognizing the pivotal role course materials play in shaping students' learning experiences, I am committed to continuous refinement and innovation. I engage in ongoing research and collaborate with peers to ensure that the materials provided are not only relevant but also responsive to the evolving landscape of knowledge. I aim to empower students with a treasure trove of resources that will not only aid in their academic success but also serve as companions in their intellectual odyssey, equipping them to thrive in an ever-changing world.

4.3 Organization

Effective organization is critical in running a class smoothly and maximizing students' potential. It also provides an additional communication channel to ensure that objectives are clear. Utilizing platforms like Blackboard and Canvas can be especially helpful in providing students with all necessary class materials and datasets without any limitations. These platforms also offer a grade center where students can submit assignments and professors can assign grades, helping students keep all their grades in order and assisting them with deadlines. In my classes, all course materials, assignments, and datasets are posted on Canvas before class, and students are asked to review them and use them during class (Figure 1).

The screenshot displays the Canvas LMS interface for the course 'SP2023 CE 430-2D Water Supply/Drainage Design'. The left sidebar contains navigation tools such as Home, Announcements, Assignments, Discussions, Grades, People, Files, Syllabus, Quizzes, Modules, Collaborations, Chat, Media Gallery, My Media, Proctoru, UAB Libraries, UAB Cares, TutorMe, UAB Policies, Technology Resources, Student Academic and Support Services, and Microsoft OneDrive. The main content area is organized into sections: 'Course Materials' (including 'UAB_Water Supply Drainage Design Syllabus-2023') and 'Lecture Notes' (listing Lectures 1 through 10). Below these is a 'Lab Manuals' section with links to 'Lab 1 SWMM', 'Intro.pptx', 'Lab 1 manual.pdf', 'EPA SWMM 5.1 manual', 'Lab 1 2020 01 28 Video Record', 'data_rainfall.xlsx', 'Lab 1 2020 02 04 Video Record', 'Lab report guideline.docx', 'Lab 2', and 'Lab 2 Study area.zip'. On the right, two preview windows are visible. The top window, 'Lecture 667.ppt', discusses 'The Moody Chart and the Colebrook Equation' and includes a table of equivalent roughness values for materials like glass, plastic, concrete, wood, rubber, copper, brass, cast iron, galvanized iron, wrought iron, stainless steel, and commercial steel. The bottom window, 'HOMEWORK_8.ppt', presents a problem involving pump selection and efficiency based on a given graph of head loss versus flow rate.

Figure 1: Class material on the Canvas

This approach allows students to access the materials independently, complete assignments, submit them and receive confirmation. Once grades are posted, students can log in to the system to see their grades for each assignment and overall performance throughout the semester (Figure 2). This method empowers students to stay informed and take control of their learning progress. While organizing materials and making connections within the subject area can be a tedious task, it is essential in creating a long-term understanding for students. Organizing materials can also enhance students' enthusiasm and develop a passion for the subject. By providing an organized structure, students can quickly see how each topic builds upon the previous one, leading to a more comprehensive and holistic understanding of the subject matter. Effective organization is crucial in creating a positive student learning experience. Utilizing platforms like Blackboard and Canvas streamlines the process, and provide well-organized course materials which can foster enthusiasm and passion for the subject matter. As an educator, I strive to create an organized and structured learning environment that empowers my students to succeed.

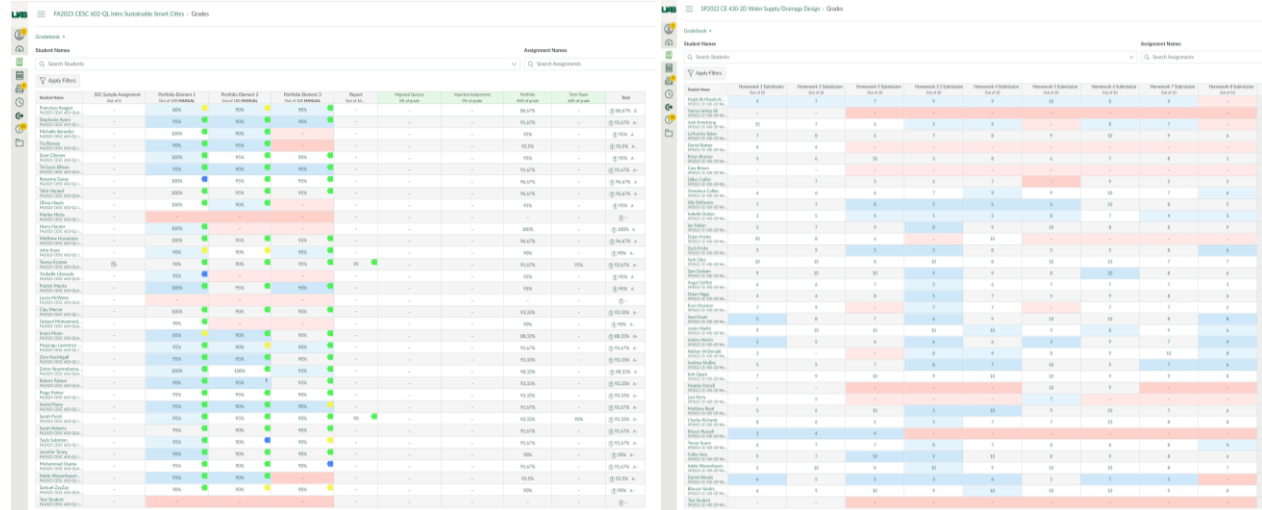


Figure 2: Assignments and grades posted on Canvas

4.4 Assessing and Mentoring Students Successfully

As an educator, I believe the practical assessment of student learning should appeal to different learning styles. This involves assessing whether students have grasped the material's basics and evaluating their understanding of comprehensive theories and how this knowledge can be applied in various scenarios. I use various assessment methods to cater to all learning styles, such as quizzes, tests, papers, homework, designs, journals, presentations, and final reports. I have found that adding a final project presentation to a class can be instrumental in reinforcing students' learning. By requiring students to present their projects, they are essentially teaching the material to their peers, which helps to solidify their understanding. Presentations allow students to demonstrate their mastery of the material practically and engagingly. It also allows them to receive constructive feedback from their peers, which can further enhance their learning experience. Presentations can help to develop students' communication and public speaking skills, which are valuable assets in any profession. In addition to using different assessment methods, I believe that core values such as a passion for the subject matter, organization, assessment, and mentoring are

essential for students' success. I strive to embody these values in my teaching and support students by being approachable, friendly, and genuinely interested in getting to know them as individuals. Learning about their interests, hopes, and dreams allows me to connect with and mentor them more effectively. My experience serving in student government and as the chair of the university student senate has also taught me the importance of respecting students and investing in their success. Through these efforts, I aim to create a positive and successful learning environment that helps students achieve their career goals. As evidence of this approach, I am proud to have led student project groups that have received the best student award and best student poster and presentation awards.

4.5 Graduate Students Recruitment and Advisement

Throughout my tenure at UAB, my commitment to graduate student recruitment and advisement has been instrumental in shaping a thriving research community. I've proactively engaged in recruiting postdocs and graduate students, collaborating with other faculty members in co-advising roles, and consistently sought talent by establishing connections with various universities. I've pursued diverse avenues, including leveraging social media platforms like LinkedIn to showcase our graduate program, actively interviewing potential candidates, and fostering a network that has culminated in forming the largest, most exceptional research group within the department. The success of these recruitment efforts is reflected in the unparalleled quality of students in my research cohort. I'm proud to highlight that I oversee the largest graduate student cohort in the department, comprising individuals who consistently achieve remarkable milestones (Figure 3).

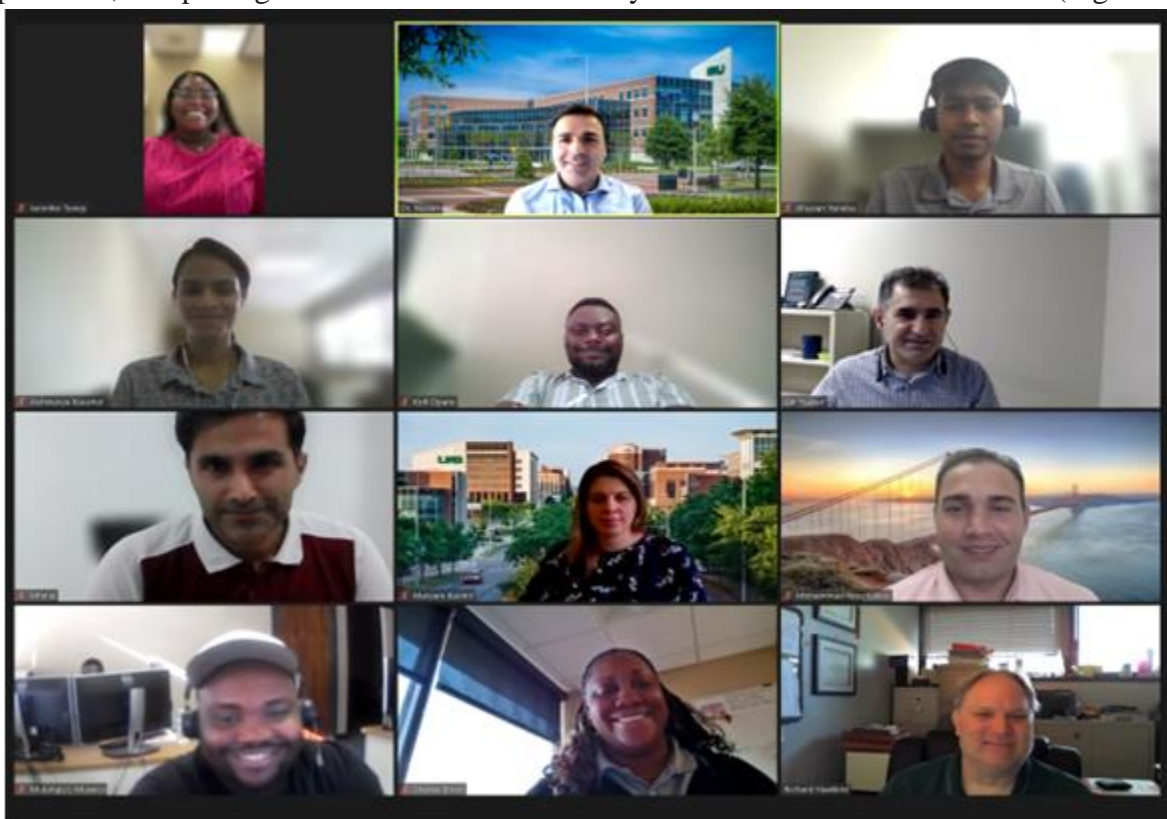


Figure 3: A Snapshot of My lab's weekly research meeting

Their accomplishments, ranging from an outstanding publication record to prestigious accolades such as the Graduate Student of the Year and Outstanding Postdoc awards (Figure 4), underscore not only their capabilities but also my unwavering commitment to mentorship and cultivating an environment conducive to high-quality research. Central to this success is my dedication to fostering an environment of continuous growth and learning. I prioritize individualized attention, meeting with each of my graduate students on a weekly basis to offer guidance, support, and mentorship. Our regular lab meetings, enriched by guest appearances from esteemed visiting scientists, serve as a platform for collaboration, innovation, and knowledge exchange. This practice, ingrained in my career from its inception, stands as a cornerstone in nurturing the remarkable achievements of emerging graduate students from my lab. The enduring impact of this approach is evidenced by the career trajectories of my former students, many of whom have transitioned into esteemed faculty roles or secured positions in highly reputable agencies and companies. Their success not only speaks to their individual capabilities but also reflects the foundation laid within my research group, a testament to the transformative power of a supportive and engaging research environment. Looking ahead, I'm confident that this legacy of success will continue to attract exceptional talent, further augmenting our research group and bolstering the department's reputation as a hub of excellence in graduate education and mentorship.

Graduate Students Accomplishments



In December, **Soham Rabbani Fahad, a Ph.D. student of Dr. Rouzbeh Nazari** successfully defended his dissertation to complete an academic journey that includes **14 journal papers, 5 conference papers, and 1 book chapter** garnering over 200 citations so far.

He was a UAB BlazerBest Fellow and received multiple awards for his work, including Dean's List for Outstanding Academic Achievement and Best Graduate Student Award.

2022 SOE and CCEE Graduate Student of the Year

Samain Sabrin was named the UAB Outstanding Graduate Student of the Year at the Engineering Council of Birmingham's (ECOB) 63rd Annual Awards Banquet. Samain Sabrin completed her Ph.D. in May 2022 in Civil, Construction, and Environmental Engineering. In addition to holding a 4.0 grade-point average, she was involved a number of organizations, including the Institute of Transportation Engineers, Women in STEM, and the Society of Women Engineers. She was also selected as the CCEE graduate engineer of the year for 2022. **Sabrin is the recipient of a Graduate Research Fellowship and is a lab instructor in multiple UAB courses.** She conducts research in the Sustainable Smart Cities Research Center where she is mentored by Rouzbeh Nazari, Ph.D.



Samain Sabrin, a Ph.D. student working with Dr. Rouzbeh Nazari in the Department of Civil, Construction, and Environmental Engineering, is the School of Engineering's most recent **Caroline and Charles W. Ireland International Scholar**. The Ireland International Student Fund provides each recipient with a \$2,000 scholarship.

Samain was also selected for the **NASA DEVELOP Internship Program** in Tempe, Arizona. Check the web site for more information about Sabrin's recent accomplishments.

Additionally, **Samain** recently published an article entitled "Understanding occupational heat exposure in the United States and proposing a quantifying stress index" in the International Archives of Occupational and Environmental Health.



2022 Postdoctoral Dory Award

Dr. Samain Sabrin was the recipient of the 2022 Postdoctoral Dory Award. The Dory Award is for the postdoctoral fellow/trainee who, despite setbacks and obstacles in their project, has kept pushing and persevered until they successfully finished the work.

Figure 4: Dr. Nazari's Graduate Students Win UAB Outstanding Graduate Student of the Year Award and Postdoctoral Award

4.6 Structured Educational Framework for Leadership, Mentorship, and Student Research Advancement and Career Development

At the heart of my educational framework, encapsulated in Figure 5, is a meticulously designed hierarchical structure to orchestrate project management, mentorship, and comprehensive information gathering. This tiered system delineates distinct grade levels, prominently housing graduates and undergraduates, encompassing senior and junior students. Graduates assume a dual role, actively participating as students within the educational hierarchy while concurrently contributing as essential pillars of our support team. This framework fosters a dynamic mentorship model, where graduate-level students champion mentoring initiatives for undergraduates,

particularly through engaging clinic projects. Simultaneously, senior students within their respective cohorts provide invaluable guidance and assistance to their junior counterparts. As students navigate through this structured hierarchy, they amass invaluable experience, organically evolving into 'project managers' who adeptly guide less seasoned peers. This trajectory not only nurtures skill sets but also nurtures a collaborative ethos where teams collectively immerse themselves in project ideation, testing, calibration, and seamless implementation. Furthermore, this collaborative synergy extends well beyond project-oriented activities. It encompasses various engagements, including conducting training sessions, disseminating learning modules, and providing mentorship and role modeling to fellow students. In essence, this collective effort embodies a myriad of career pathways, thereby presenting a holistic representation of potential trajectories for students navigating our education hierarchy."

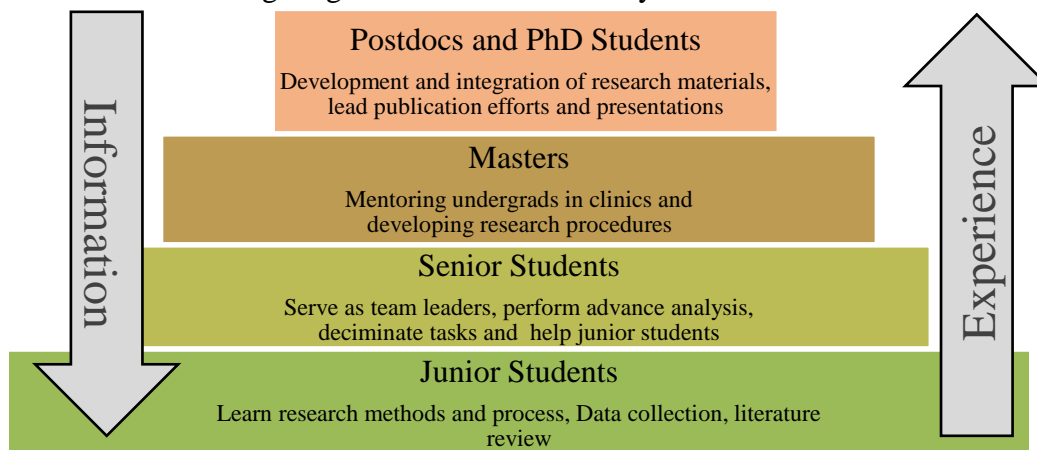


Figure 5: Pyramid System of Educational Hierarchy

Within my lab, the active involvement of postdoc and graduate students in real-life projects funded by prestigious national and federal agencies like NSF, USDA, EPA, NASEM, DOT, and internal UAB programs is paramount. They proactively engage undergraduate students, providing them exposure and engagement in research endeavors. The culmination of their efforts is witnessed in the translation of student research into impactful scientific publications. Moreover, opportunities are cultivated for these students to showcase their work through conference presentations and journal publications (Figure 6). The accomplishments of students within my lab are nothing short of remarkable, reflected in our consistent participation and presentations at major conferences and our publications in esteemed journals. I firmly believe that given motivation and effective mentorship, students can achieve pinnacle performances, a testament evident in the achievements of my students. This belief stands at the crux of my career focus.



Figure 6: Students Presentation at UA Water Symposium

Moreover, this collaborative team effort extends beyond project tasks; it encompasses facilitating training sessions, disseminating learning modules, and providing mentorship and role modeling for fellow students. The team embodies diverse career pathways, offering a comprehensive representation of potential trajectories for students advancing through our education hierarchy.

4.7 Academic Instruction

In my time at UAB, I have taught courses at undergraduate and graduate student levels. Table 1 shows the course description and details. Course syllabus and detail lecture lists are available in the supplementary materials.

Table 1: Course descriptions

Course	Description
Hydraulics 3 Credit	This course is designed as an introductory course to water resources engineering. The course deals with general fluid and flow in pipe systems. Topics covered in the area of general fluid flow include hydrostatics, laws of fluid motion, kinematics, dynamics, energy balance, and dimensionless groups. Topics covered in the area of pipe flow include incompressible flow, compressibility, pumps, viscosity, boundary layers, turbulence, and losses. The course includes appropriate laboratory experiments and computer applications.
Water Supply/Drainage Design 3 Credit	The aim of this course is to give civil engineering majors a basic understanding of flow systems in closed and open hydraulic and hydrologic systems. This course is designed to provide detail computation for studying, analyzing and designing components of hydraulic systems such as pipes, pumps, open channels

	and storm collection systems. Included in this course will be hydraulic laboratory experiments and computer lab experiments using hydraulic/hydrology software/model (i.e. Haestad-Method© / HEC-RAS software) which help students to design and visualize different hydraulic and hydrological phenomena in a professional manner.
Intro Sustainable Smart Cities 3 Credit	This course introduces the issues surrounding sustainable development within cities and explores how the smart city concept can contribute to the urban sustainable development agenda. The module begins by considering the key characteristics of contemporary urbanization and the issues and challenges that these present for sustainability and urban environmental management. The meaning and nature of sustainability for cities will be discussed, followed by a consideration of the definitions of a smart city and a discussion of the key elements of a smart city, including its contribution to both urban governance and the more effective and efficient management of natural resources. Regarding case studies, the final part of the module will explore and evaluate the role that smart city processes and applications can play in enhancing the social, economic and environmental aspects of sustainable development within urban areas.
Big Data and Smart Cities 4 Credit	The world is becoming increasingly digitally interconnected, and this instrumentation, data collection, interconnection, storage, and analysis can provide the capacity to radically transform how cities monitor, manage, and enhance their environmental quality and liveability. This course will provide an introduction to what big data is and how it can contribute to the smarter, more sustainable management of cities. The course will begin by discussing the concepts of big data and the big data revolution and an overview of the ways in which data can be captured, stored and analyzed. This will be followed by a consideration of how big data can be used within cities to optimize their use of physical and digital infrastructures, their sustainable use of natural resources; citizen service delivery, and citizen engagement, participation, and urban governance. Students will also be introduced to some of the challenges presented by big data, both the technological challenges and the ethical and social challenges associated with collecting, storing and using big data. Throughout the module, case studies of big data in action will be used to illustrate the value, challenges, and limitations of big data in the smarter, more sustainable management of cities.

4.8 Advancing Education through Curriculum Enrichment and Industry Integration

My background in academia and immersive research across national-scale, cutting-edge projects has instilled in me a profound insight into the evolving demands of the industry and the expectations employers hold for prospective candidates. Drawing from this knowledge, I have diligently augmented the curriculum of multiple courses to bridge the gap between academic learning and the practical requisites of the advanced engineering landscape. In courses centered around Hydraulics and Water Drainage, I've taken a proactive approach by introducing over six industry-relevant software programs to students. While this entailed substantial effort on my part, the integration of these tools into the classroom has yielded significant benefits for students. Lab assignments were crafted to immerse students in software utilization, necessitating the incorporation of results into their written reports. To ensure a thorough grasp of software applications, I elevated the course's rigor by mandating students to submit their software files for comprehensive evaluation. This meticulous process, while time-intensive, remains essential to

validate each student's comprehension logic, and provide detailed feedback crucial for refinement. Moreover, I invested considerable time producing recorded lectures meticulously demonstrating software commands, facilitating students' grasp of practical implementations. These examples represent a fraction of the ongoing enhancements embedded within my courses. Continuously committed to improving educational materials, my approach involves infusing the latest scientific advancements and technological breakthroughs directly into my teachings. This practice elevates the class's standard, enriching students' learning experiences by keeping them abreast of cutting-edge developments. Furthermore, I am dedicated to evaluating teaching assessments and student feedback, utilizing this data to refine and update course content iteratively. Regularly scouring for new textbooks or revised editions supplements this process, ensuring students access the most relevant and contemporary learning resources. Additionally, I allocate time to refresh class recordings, lecture notes, and assignments, persistently striving to optimize the learning environment. My commitment to educational enrichment revolves around immediate advancements and seeks to provide students with an enduring and comprehensive learning journey, integrating theoretical understanding with practical applications and industry demands.

4.9 Course Evaluation and Enrollment

The Student IDEA surveys in the table below consistently highlight my sustained high-quality teaching performance. This achievement is particularly noteworthy given the unprecedented challenges posed by the Covid-19 pandemic, prompting a swift transition of these demanding graduate classes to an online format. These courses, known for their rigor, extensive software requirements, time-intensive nature, and large student enrollment, presented an additional layer of complexity. Moreover, these graduate classes were previously taught by instructors external to UAB. Assuming responsibility for these courses entailed a comprehensive overhaul of syllabi and course content. Despite these multifaceted challenges, the outcomes were immensely rewarding for students, resonating positively as reflected in the survey feedback. The dynamic transformations undertaken in these classes not only fostered an enriching learning environment but also provided substantial learning opportunities for students. Their appreciation and evident growth, as affirmed by the survey results, underscore the effectiveness and impact of the revamped course structure and content.

Table 2: Course Evaluations

Year	Course Title	Enrollment	Excellent Teacher	Summary
2023	CE 430 and CE 530: Water Supply/Drainage Design	37	4.1/5.0	4/5.0
2022	CE337: Hydraulics	35	4.1/5.0	4.2/5.0
2022	CESC 616: Big Data and Smart Cities	20	4.3/5.0	4.3/5.0
2022	CE 430 and CE 530: Water Supply/Drainage Design	35	4.4/5.0	4.4/5.0
2022	CESC 602: Sustainable Smart Cities	11	4/5.0	4.1/5.0
2021	CE337: Hydraulics	30	4.6/ 5.0	4.6 /5.0
2020	CE 430 and CE 530: Water Supply/Drainage Design	45	3.8/5.0	3.8/5.0
2020	CE 337: Hydraulics	60	4/5.0	4/5.0
2019	CEE 485 and 585: Engineering Hydrology	11	4.5/5.0	4.5/5.0

4.10 Evidence of Student Learning and Success

The following are a few qualitative comments made by students on various IDEA surveys regarding my successful class teaching methodologies:

CEE: Hydraulics

“Professor Nazari is a great professor who really wants his students to succeed and does a great job teaching us all these new concepts.”

“Great Professor and person. He cares deeply about his students and has a legitimate care for their success.”

“Nazari is a great teacher. He always captures the classes attention and is extremely interactive with the students. He is passionate about the subject and also helping us learn life skills. He always helped us stay positive throughout the semester by giving us advice and encouragement.”

“I really appreciated the time taken in class to not only teach the material but to broaden our view on the professional as a whole. School is important, but understanding the profession and being personable and professional is also just as important.”

“Dr. Nazari is very passionate about making sure we understand the concepts. I appreciate him pushing me, it made me realize I'm capable of being in this major even more. I look forward to being in more of his classes.”

“Great Professor! Really tried and set us up for the future as an engineer, and just getting us ready for the world. Extremely professional in everything he did”

“Dr. Nazari is very passionate about what he teaches which I appreciate. He takes time to explain to us real world issues that can be solved and specific areas that will be effected using software.”

“One of the best professors I've ever had sweet kind hard working man”

“This was a great class and the professor obviously cares about the success and well-being of every student. During class, I was treated with respect by the professor and he did an amazing job of responding to emails outside of class.”

“Great professor. He knows what he is teaching well and he has really inspired me to become a better student and engineer. Also he is very funny and it makes class more enjoyable. ”

CE 430 and CE 530: Water Supply/Drainage Design

“Dr. Nazari is a fantastic teacher. It is very clear that he is passionate about the subject and this field of engineering. Not only is he a good teacher, he consistently gives great life advice that will help us in our future careers.”

“Dr. Nazari is one of the best teacher I have come across in my academic careers and I greatly appreciate his involvement in the classroom as well as his extended assistance as we enter our professional careers..”

“Dr. Nazari does a wonderful job preparing us for the FE and PE exam as well as guides us for our future. He gives great life advice and career advice. He does a great job at explaining the concepts behind the material and does a decent job working through problems. Overall a brilliant man.”

CESC 602: Sustainable Smart Cities

“Thank you for all of your help this semester. I appreciate your flexibility on deadlines and understanding difficult circumstances. I greatly enjoyed the course material and working on each portfolio.”

“Competent and helpful, enjoyed learning from Professor Nazari.”

CESC 616: Big Data and Smart Cities

“Dr. Nazari is a great professor and really cares about his students. I greatly enjoyed this course and learning more about Big Data. The lectures and resources were very beneficial and helped with all of the assignments. This course taught me different programs and how to use data in a more effective way which will definitely help me in the future and in any job field. I appreciate the time Dr. Nazari put into this course and all the different links and resources he included to provide us with as much information as possible and to help with the assignments. Tableau was one of the new things that I learned and now love to use in projects thanks to this course. Thank you for a great semester”

“Was an informative course to take. Dr. Nazari took each class session seriously and ensured all the students understood the materials and assignments.”

“Thank you, Dr. Nazari for a fascinating journey into Big Data. I learned a lot.”

CEE 485 and 585: Engineering Hydrology

“Dr. Nazari really cares about the students and has been very willing to help and answer questions inside and outside of class periods. The labs have also been very informative and have taught many useful software.”

“I would suggest this elective to anyone interested in hydrology or site design.”

5 SECTION 5. **Evidence of Research Productivity**

5.1 Research Statement

The United States has sustained 285 weather and climate disasters since 1980, with overall damages/costs exceeding \$1.875 trillion and seemingly no real and robust solution to deal with or prepare communities at risk. The capacity for existing infrastructure to accommodate the expected consequences of these extreme events is not well established, and this is where water and hydrology research can grow. Climate adaptation, building a weather-ready nation, and developing sustainable, resilient communities are areas of significant emphasis for science and academic groups and the central focus of my research. Our students need to be prepared to lead in answering questions about risks and resilient and sustainable responses to climate extremes. It is important to understand how science is evolving, the role of interdisciplinary research in addressing regional and global challenges, and the need to cultivate a broader innovation ecosystem. I believe in research philosophy with the characteristics of (a) education through research and student involvement in research projects; (b) multidisciplinary research with backgrounds in several areas; (c) combined analytical, experimental, and field studies thoroughly integrated approaches; (d) performance-driven design approach to advance understanding of natural, built, and social systems; (e) partnership between industry and national agencies allow work with a broad range of national concerns; and (f) global research collaborations with leading research institutions across the country and around the world.

5.2 Research Focus and Accomplishments

My primary research interests center on the application of remote sensing in water resources, hydrodynamic and hydrological modeling, flood resiliency, and impact assessment of extreme weather events on the built environment and public health. I am the Engineering Editor of the Natural Hazard Review journal and Co-Editor in Chief of the Flood Engineering journal. I am the founder and CTO of two technology startups, both funded by the National Science Foundation (NSF): 1. Planetary resilience, the first high-resolution asset-based resiliency assessment system being introduced to the market. I have worked on flood damage assessment and resiliency planning and have pioneered developing new assessment metrics and models for urban coastal infrastructures. This led to the development of NJFloodAlert.com, New Jersey's first statewide alert system currently used by state and local officials. 2. CanAiry (a university-based startup company) focuses on developing a stand-alone personal wearable monitoring device that provides real-time health status and air pollution monitoring designed to help Asthma and Chronic Obstructive Pulmonary Disease (COPD) patients' through early detection, remote management, and medication adjustment.

I have received over \$19,000,000 in funding during my career, with over \$8,000,000 during my time at UAB from various federal, state, local, and private industries, including NSF, USDA, EPA, FEMA, NOAA, DOT, NASEM, NJDCA, NJDEP, and American Water. Upon joining UAB in July 2019, I ushered in three research grants from my prior academic institution. This body encompassed various grants, notably featuring my NSF grant, alongside grants awarded by the Department of Transportation (DOT) and the United States Department of Agriculture (USDA). In addition to my efforts in securing research funds, my commitment to advancing scientific

knowledge is evident through a prolific publication record. To date, I have authored and co-authored over 120 peer-reviewed scientific manuscripts, book chapters, and conference proceedings. This extensive body of work not only reflects the depth and breadth of my research contributions but also underscores my dedication to disseminating knowledge and advancing the frontiers of science. The impact of my research has transcended academic circles, garnering significant attention from mainstream media. Notably, my work has been featured on prominent television and radio networks such as NBC, ABC, FOX, CBS, NPR, PIX11 News and NJTV, underscoring its relevance to a broader audience. In addition to television coverage, major newspapers including, US Guardian, Philadelphia Inquirer, New Jersey Business, and Press of Atlantic City, have recognized and highlighted the significance of my research endeavors. This widespread media coverage not only attests to the societal relevance of my work but also positions UAB as a hub for impactful research, amplifying the university's visibility on a national scale.

Established a Vibrant Research Group in My Short Time in UAB: Achievements in Grant Acquisition, Talent Recruitment, and Scholarly Impact

In my short tenure at UAB spanning four years, I've achieved significant milestones by spearheading the establishment of an exceptionally vibrant and engaged research group. My strategic and persistent endeavors in grant writing and smart recruitment have meticulously crafted a dynamic team that has thrived under my mentorship. This success validates the efficacy of my grant acquisition strategies and the effectiveness of initiatives aimed at attracting and nurturing top-tier talent. My efforts have yielded a prolific output of high-quality journal publications and impactful conference presentations, solidifying our position at the vanguard of pioneering research. The success in garnering external grants and recruiting exceptional students has not only fostered a collaborative and productive research environment but has also resulted in publications in reputable journals and prestigious conferences, affirming the depth and significance of our contributions to the scientific community.

Presently, I oversee a thriving cohort comprising multiple graduate students and postdoctoral fellows working on real world projects and are fully funded through exteramural funds. This achievement not only underscores the triumph of securing external funding but also highlights the nurturing environment cultivated to sustain these scholars. This culmination has resulted in a dynamic research ecosystem characterized by the active participation and substantial contributions of these well-supported students and fellows, further fortifying our research endeavors."

5.3 Selected Current Projects and New Initiatives

Utilizing Resilient Eco-friendly Sensors for Environmental Impact Monitoring, NSF Funded Grant, \$6,000,000

I collaborated with colleagues across various institutions to spearhead a groundbreaking proposal centered on advancing water and environmental sensor technology. The aim is to create printable sensors capable of concurrently detecting toxic chemicals in surface and drinking water, essential for widespread environmental monitoring. These sensors will extend their functionality to measure environmentally-produced toxins in vulnerable human populations and offer individualized use. Envisioned as part of future technological convergence with the Internet of Things (IoT), artificial

intelligence (AI), and mobile apps, these sensors will revolutionize monitoring capabilities, paving the way for connected and intelligent water systems. Positioned at the intersection of climate change and human health, these sensors will play a pivotal role in navigating evolving environmental conditions. Their deployment will significantly contribute to extensive environmental surveillance and offer crucial insights into the impact of changing climates on human health. Ultimately, by seamlessly integrating with emerging technologies, these sensors will empower comprehensive monitoring solutions, fostering a deeper understanding of environmental dynamics and fortifying strategies to protect human health amidst climate challenges.

Catalyzing Local Food Value Chain Development and Urban Agriculture Supported through Advanced Hydrological Research, USDA National Institute of Food and Agriculture-- Funded Grant, \$1,000,000

Through collaborations within Birmingham communities, I noticed prevalent food deserts and limited access to nutritious options. Teaming up with faculty and agriculture leaders, I conceived a project to revamp Birmingham's urban agriculture scene and improve community food access through a collaborative, data-driven approach. This endeavor enhances research partnerships and community ties in Alabama and brings vital research and community perspectives together for success. This proposal intends to ensure an equitable and sustainable local food supply chain by better identifying community needs and markets for urban agriculture and potential agriculture sites, working with local experts to improve the performance of such sites; learning from existing successful community programs, and building relationships with community leaders to ensure the ongoing success of urban agricultural projects in Birmingham. The aim is to develop a cross-functional alliance supporting capacity development along the food value chain to achieve more significant equity and improve the interdependency and social cohesion between urban and peri-urban communities through increased availability, access, and consumption of local agricultural goods. The ultimate goal is to stimulate city-wide food, health, and environmental policy changes to increase access to food, employment, built environments, and market opportunities.

Application of Satellite and Unmanned Aerial Systems Based Remote Sensing Technologies in Proactive Water and Waste Management, USDA Solid Waste Management-- Funded Grant, \$250,000

This grant focuses on the issue of landfill fires' impact on water resources in Alabama and Mississippi. Proper solid waste management is paramount for local communities and their surrounding environment. One potential consequence of waste mismanagement is landfill fires on and below the ground surface at active and closed sites. As a result of a fire, large amounts of toxic and harmful chemicals are released into the environment. These toxic substances contaminating water, soil, and air considerably risk public health. Landfill fires and associated environmental pollution are particularly serious issues in rural areas because of the local population's involvement in agricultural businesses and the heavy reliance of households on personal groundwater wells as a source of drinking water. Timely identification of landfill fires and warnings help extinguish fires at early stages and thus minimize contaminant transport through water and air and other associated damages. Particular sites selected for this study are located in Alabama and Mississippi

Black Belt that truly need such federal assistance programs and have never received this funding before despite having numerous solid waste management issues. This program also educates residents on waste reduction, recycling, and community composting.

Evaluating Associations Between Neighborhood Deprivation, Built Environment, Race, and Breast Cancer Mortality, NIH R01-- Submitted Grant, \$3,500,000

I've recently collaborated with Dr. Ritu Aneja from the School of Health Profession and other faculty members from various disciplines across UAB and O'Neal Cancer Center to address breast cancer mortality's ties to neighborhood deprivation, the built environment, climate, and racial disparities. As a result, an NIH R01 proposal titled "Evaluating associations between neighborhood deprivation, built environment, race, and breast cancer mortality" was developed and submitted. Neighborhood social and physical environments significantly affect health outcomes beyond individual attributes, where the focus of the project revolves around neighborhood disadvantage, gauged by the Area Deprivation Index (ADI), which factors census indicators like poverty, income, education, employment, and housing quality. I plan to delve deeper by incorporating additional neighborhood elements, such as the built environment and health. I aim to deepen our understanding of neighborhood disadvantage, the built environment, climate, and sustainability's interplay and guide community interventions and policy development to reduce these disparities.

5.4 Complete List of The Funded Research

1. **PI** United States Department of Agriculture (USDA) NIFA: Catalyzing Local Food Value Chain Development through a Cross-functional Alliance and Economic Investment in Birmingham, Alabama, **Rouzbeh Nazari** and Maryam Karimi, July 1st, 2023 – June 30st, 2027, \$1,000,000
2. **Co-PI (UAB PI)** National Science Foundation (NSF), FII Track-2 FEC: Facilitating Ubiquitous Technology Utilizing Resilient Eco-friendly Sensors, **Rouzbeh Nazari**, Teresa Murray, Maryam Karimi, Harish Subbaraman, Prabhu Arumugam and Shuk-Mei Ho, November 1st, 2022 – October 31st, 2026, \$6,000,000, UAB Portion: \$1,143,000
3. **PI** United States Department of Agriculture (USDA), Development of Multi-Scale Non-Invasive In Situ and Remote Sensing Techniques for Proactive Waste Management: Demonstration and Training, **Rouzbeh Nazari**, Maryam Karimi, Wesley Zech and Lisa McCormick, October 1st 2023 - September 30st 2024, \$210,449
4. **Co-PI** United States Department of Agriculture (USDA), Solid Waste Management Impact on Soil-Water Resources Across the Underserved Rural Communities of Black-Belt and the Deep South of Alabama and Mississippi. Maryam Karimi and **Rouzbeh Nazari** October 1st 2023-September 30th 2024, \$191,900
5. **PI** United States Department of Agriculture (USDA), Development of Multi-Scale Non-Invasive In Situ and Remote Sensing Techniques for Proactive Waste Management: Demonstration and Training, **Rouzbeh Nazari (PI)**, Maryam Karimi (Co-PI), Wesley Zech and Lisa McCormick, October 1st 2022 - September 30st 2023, \$250,000
6. **CO-PI** The National Academies' of Science and Engineering, Gulf Research Program (GRP), Coastal Communities Knowledge Development and Technical Assistance, January 2022-December 2025, \$450,000

7. **CO-PI** US EPA, Modelling Outdoor Comfort with UAV-based Digitization Technique and a Comfort Tracking System for Underserved Communities. Maryam Karimi and **Rouzbeh Nazari** August 1st, 2023 – July 31st, 2024, \$25,000
8. **CO-PI** US EPA, Urban water pollution extent and impact on the Village Creek in Birmingham, AL – Analysis and Mitigation strategies. Maryam Karimi and **Rouzbeh Nazari**, August 1st, 2023 – July 31st, 2024, \$25,000
9. **PI** University of Alabama at Birmingham (UAB), Developing a Framework for Infectious Disease Transmission and Spread using SARS, MERS and COVID-19 Data, **Rouzbeh Nazari**, Maryam Karimi, Lisa McCormick, May 1st 2020 - April 30st 2021, \$10,000
10. **PI** United States Department of Transportation (DOT), Regional UTC Program. The resiliency of the transportation systems under extreme storm events, **Rouzbeh Nazari**, September 1st 2019-August 31st 2020, \$101,800
11. **PI** United States Department of Agriculture (USDA), Development of Multi-Scale Non-Invasive In Situ and Remote Sensing Techniques for Proactive Waste Management: Demonstration and Training, **Rouzbeh Nazari (PI)**, Jess Everett (Co-PI), Nidhal Bouaynaya (Co-PI), Maryam Karimi (Co-PI), October 1st 2019 - September 30st 2020, \$191,774
12. **PI** (Institutional) U.S. Department of Transportation, Region 2 University Transportation Center (UTC), Ali Maher (Rutgers PI), **Rouzbeh Nazari** (Rowan PI), June 2018- June 2021, \$7,711,800, Rowan Share, \$800,000
13. **PI** National Science Foundation (NSF), I-Corp: An innovative framework for high-resolution quantitative assessment of flood resiliency, **Rouzbeh Nazari (PI)**, September 1st 2018-August 31st 2019, \$50,000
14. **PI** Armand Corporation: Practical Study of Local and Regional Resilience Planning for Critical Infrastructure Systems and Communities in Coastal Zones, **Rouzbeh Nazari (PI)**, August 15th 2018-November 14th 2020, \$152,019
15. **PI** New Jersey DEP, Drone Based Aerial Progress Monitoring of Seawall Repair and Construction Project for Sea Bright and Monmouth Beach, **Rouzbeh Nazari (PI)**, December 13th 2017-November 14th 2020, \$72,575
16. **PI** United States Department of Agriculture (USDA), Development of Multi-Scale Non-Invasive In Situ and Remote Sensing Techniques for Proactive Waste Management: Demonstration and Training, **Rouzbeh Nazari (PI)**, Jess Everett (Co-PI), Nidhal Bouaynaya (Co-PI), Peter Romanov (Co-PI), Jordan Howell (Co-PI), Christine Nolan (Co-PI), October 1st 2017 - September 30st 2018, \$170,000
17. **PI** New Jersey Department of Community Affairs (NJDCA), Impact-Based Decision-Making Framework for Community-based Resiliency Planning under Extreme Storm Events, **Rouzbeh Nazari (PI)**, Jess Everett (Co-PI), Parth Bhavsar (Co-PI), Beena Sukumaran (Co-PI), Ralph Dusseau (Co-PI), Kauser Jahan (Co-PI), George D. Lecakes Jr. (Co-PI), DeMond S. Miller (Co-PI), Zachary Christman (Co-PI), Amir Iranmanesh (Co-PI), October 1st 2016 - August 31st 2018, \$800,052.00
18. **PI** United States Department of Agriculture (USDA), Proactive Waste Management Through Infrared Thermography for Landfill Monitoring and Fire Warning, **Rouzbeh Nazari (PI)**, Jess

- Everett (Co-PI), Nidhal Bouaynaya (Co-PI), Peter Romanov (Co-PI), Jordan Howell (Co-PI), Christine Nolan (Co-PI), October 1st 2016 - September 30st 2018, \$150,000.00
19. **Co-PI** National Science Foundation (NSF), Engaging In Stem Education With Big Data Analytics And Technologies: A Rowan-Cove Initiative, Nidhal Bouaynaya (PI), **Rouzbeh Nazari (Co-PI)**, John D. Moore (Co-PI), Kevin D. Dahm (Co-PI), Ravi P. Ramachandran (Co-PI), October 1st 2016 - September 30st 2019, \$299,930.00
 20. **PI** University Transportation Research Center (UTRC), Evaluation of Simulation Models for Road Weather Information System, **Rouzbeh Nazari (PI)**, Hao Wang (Co-PI, Rutgers University), September 1st 2016 - January 31st 2018, \$75,000.00
 21. **PI** New Jersey American Water (NJAW), Implementation of Unmanned Aerial Systems (UAS) for Water Resource Management, **Rouzbeh Nazari (PI)**, May 1st 2016 - January 31st 2017, \$185,000.00
 22. **PI** New Jersey American Water (NJAW), Developing A Geodatabase for Water System Data Collection, **Rouzbeh Nazari (PI)**, May 1st 2016 - January 31st 2017, \$135,000.00
 23. **PI** Rowan University Seed Funding, Integration of Satellite, Airborne and Ground-Based Infrared Thermography of Landfills for Fire Warning and Monitoring, **Rouzbeh Nazari (PI)**, September 2015- September 2016, \$10,000
 24. **Co-PI** University Transportation Research Center (UTRC), Risk analysis of autonomous vehicles in mixed traffic streams, Parth Bhavsar (PI), **Rouzbeh Nazari (Co-PI)**, Mashrur Chowdhury (Co-PI), June 1st 2015 - August 31st 2016, \$79,960.00
 25. **Co-PI** NJARNG, Rowan University Energy Intern Program & BIM Pilot Program, Everett, J. (PI), W. Riddell (Co-PI), R. Krchnavek (Co-PI), **R. Nazari (Co-PI)**, 2015-2016, \$178,601
 26. **Co-PI** Assessment of the Air Quality Impact of Traffic Congestion, University Transportation Research Center (UTRC), Masoud Ghandehari (PI), John Falcocchio (PI), **Rouzbeh Nazari (PI)**, September 2012- September 2014, \$100,000

5.5 Research Impact And Publications

My research has effectively addressed critical themes that have far-reaching implications. The impressive array of publications, awards, interviews, and invited talks underscores the impact and significance of my work. I have published 40 journal papers with the highest journal impact factor of 11.7 and an average journal impact factor of 6.5, which are remarkable in the field of civil and environmental. This demonstrates my exceptional contributions and leadership in this field. Additionally, I have contributed to many book chapters and conference proceedings and have 11 papers under review, reflecting a well-rounded and extensive research portfolio. Table 3 provides a summary of the impact factors of my publication.

Table 3: Selected Impact Factor for Journals of Dr. Nazari's Refereed Publications

Journal	ISSN	No. of Papers	Impact Factor
Sustainable Cities and Society*	2210-6715	2	11.7
Science of Total Environment*	1879-1026	3	9.8
Journal of Environmental Management*	1095-8630	1	8.7
Reliability Engineering & System Safety*	1879-0836	1	8.1
Transportation Research Part D: Transport and Environment*	1879-2340	1	7.6

Building and Environment*	1873-684X	5	7.4
Agricultural Water Management*	1873-2283	1	6.7
Urban Climate*	2212-0955	2	6.4
Engineering Structures*	1873-7323	1	5
Remote Sensing*	2072-4292	1	5
Intern. Journal of Management Science and Eng. Management*	1750-9661	1	4.8
Water Resources Management*	1573-1650	3	4.3
International Journal of Climatology*	1097-0088	1	3.9
Information systems	1873-6076	1	3.7
ISPRS International Journal of Geo-Information*	2220-9964	1	3.4
International Archives of Occupational and Environmental Health*	1432-1246	1	3
Natural Hazards Review*	1527-6996	2	2.7
Applied Sciences*	2076-3417	2	2.7

*indicates student contributions

5.6 Peer Reviewed Journal Publications:

1. Mujungu Lawrence Museru, **Rouzbeh Nazari**, Abolfazl N. Giglou, Kofi Opare, Maryam Karimi, Advancing flood damage modeling for coastal Alabama residential properties: A multivariable machine learning approach, Science of The Total Environment, Volume 907, 2024, 167872, ISSN 0048-9697, <https://doi.org/10.1016/j.scitotenv.2023.167872>.
2. Abolfazl Nazari Giglou, **Rouzbeh Nazari**, Farhad Jazaei, Maryam Karimi, Numerical analysis of surface hydrogeological water budget to estimate unconfined aquifers recharge, Journal of Environmental Management, Volume 346, 2023, 118892, ISSN 0301-4797, <https://doi.org/10.1016/j.jenvman.2023.118892>.
3. Samain Sabrin, Maryam Karimi, **Rouzbeh Nazari**, The cooling potential of various vegetation covers in a heat-stressed underserved community in the deep south: Birmingham, Alabama, Urban Climate, Volume 51, 2023, <https://doi.org/10.1016/j.uclim.2023.101623>.
4. Giglou, Abolfazl Nazari, **Rouzbeh Nazari**, Farhad Jazaei, and Maryam Karimi. "Assessing the effects of increased impervious surface on the aquifer recharge through river flow network, case study of Jackson, Tennessee, USA." The Science of the Total Environment: Volume 872, 2023. <https://doi.org/10.1016/j.scitotenv.2023.162203>
5. Samain Sabrin, Maryam Karimi, **Rouzbeh Nazari**, Modeling heat island exposure and vulnerability utilizing earth observations and social drivers: A case study for Alabama, USA, Building and Environment, Volume 226, 2022, <https://doi.org/10.1016/j.buildenv.2022.109686>.
6. Kamali, M.I., Ansari, H. & **Nazari, R.** Optimization of Applied Water Depth Under Water Limiting Conditions. Water Resource Management (2022). <https://doi.org/10.1007/s11269-022-03241-x>
7. Md Golam Rabbani Fahad, Wesley Zech, **Rouzbeh Nazari**, Maryam Karimi, Developing a Geospatial Framework for Severe Occupational Injuries Using Moran's I and Getis-Ord Gi* Statistics for Southeastern United States, Natural Hazards Review, Volume 23, Issue 3, 2022, [https://doi.org/10.1061/\(ASCE\)NH.1527-6996.0000566](https://doi.org/10.1061/(ASCE)NH.1527-6996.0000566)
8. Md Golam Rabbani Fahad, **Rouzbeh Nazari**, M.H. Motamedi, Maryam Karimi, A Decision-Making Framework Integrating Fluid and Solid Systems to Assess Resilience of Coastal Communities Experiencing Extreme Storm Events, Reliability Engineering & System Safety, Volume 221, 2022, <https://doi.org/10.1016/j.ress.2022.108388>.
9. **Rouzbeh Nazari**, Haralambos Vasiliadis, Maryam Karimi, Md Golam Rabbani Fahad, Stanley Simon, Teng Zhang, Qing Sun, Robert Peters, Hydrodynamic Study of the Impact of Extreme Flooding Events on Wastewater Treatment Plants Considering Total Water Level, Natural

- Hazards Review, Volume 23, Issue 1, 2022, [https://doi.org/10.1061/\(ASCE\)NH.1527-6996.0000531](https://doi.org/10.1061/(ASCE)NH.1527-6996.0000531)
10. Sun, Q.; **Nazari, R.**; Karimi, M.; Rabbani Fahad, M.G.; Peters, R.W. Comprehensive Flood Risk Assessment for Wastewater Treatment Plants under Extreme Storm Events: A Case Study for New York City, United States. *Appl. Sci.* 2021, 11, 6694. <https://doi.org/10.3390/app11156694>
 11. Samain Sabrin, Maryam Karimi, **Rouzbeh Nazari**, Md Golam Rabbani Fahad, Robert W. Peters, Alley Uddin, The impact of stay-at-home orders on air-quality and COVID-19 mortality rate in the United States, *Urban Climate*, Volume 39, 2021, <https://doi.org/10.1016/j.uclim.2021.100946>.
 12. Md Golam Rabbani Fahad, Maryam Karimi, **Rouzbeh Nazari**, Samain Sabrin, Developing a geospatial framework for coupled large scale thermal comfort and air quality indices using high resolution gridded meteorological and station based observations, *Sustainable Cities and Society*, Volume 74, 2021, <https://doi.org/10.1016/j.scs.2021.103204>.
 13. Sabrin, S., Zech, W.C., **Nazari, R.**, Karimi, M., Understanding occupational heat exposure in the United States and proposing a quantifying stress index. *Int Arch Occup Environ Health* (2021). <https://doi.org/10.1007/s00420-021-01711-0>
 14. Samain Sabrin, **Rouzbeh Nazari**, Maryam Karimi, Md Golam Rabbani Fahad, Jess Everett, Robert Peters, Development of a Conceptual Framework for Risk Assessment of Elevated Internal Temperatures in Landfills, *Science of The Total Environment*, 2021, 146831, ISSN 0048-9697, <https://doi.org/10.1016/j.scitotenv.2021.146831>.
 15. Samain Sabrin, Maryam Karimi, **Rouzbeh Nazari**, Joshua Pratt, Joshua Bryk, Assessing the Effects of Different Urban-Vegetation Morphology on the Canopy-level Thermal Comfort and the Cooling Benefits of Shade Trees: Case-study in Philadelphia, *Sustainable Cities and Society*, 2021, 102684, ISSN 2210-6707, <https://doi.org/10.1016/j.scs.2020.102684>.
 16. Samain Sabrin, Maryam Karimi, Md Golam Rabbani Fahad, **Rouzbeh Nazari**, Quantifying environmental and social vulnerability: Role of urban Heat Island and air quality, a case study of Camden, NJ, *Urban Climate*, Volume 34, 2020, 100699, ISSN 2212-0955, <https://doi.org/10.1016/j.uclim.2020.100699>.
 17. **Nazari, R.**; Alfergani, H.; Haas, F.; Karimi, M.E.; Fahad, M.G.R.; Sabrin, S.; Everett, J.; Bouaynaya, N.; Peters, R.W. Application of Satellite Remote Sensing in Monitoring Elevated Internal Temperatures of Landfills. *Appl. Sci.* 2020, 10, 6801. <https://doi.org/10.3390/app10196801>
 18. Sabrin, S.; **Nazari, R.**; Fahad, M.G.R.; Karimi, M.; Everett, J.W.; Peters, R.W. Investigating Effects of Landfill Soil Gases on Landfill Elevated Subsurface Temperature. *Appl. Sci.* 2020, 10, 6401. <https://doi.org/10.3390/app10186401>
 19. Sabrin, S.; Karimi, M.; **Nazari, R.** Developing Vulnerability Index to Quantify Urban Heat Islands Effects Coupled with Air Pollution: A Case Study of Camden, NJ. *ISPRS Int. J. Geo-Inf.* 2020, 9, 349. <https://doi.org/10.3390/ijgi9060349>
 20. Fahad, M.G.R., Nazari, R., Motamedi, M.H., Karimi, M., Coupled Hydrodynamic and Geospatial Model for Assessing Resiliency of Coastal Structures under Extreme Storm Scenarios. *Water Resour Manage* 34, 1123–1138 (2020). <https://doi.org/10.1007/s11269-020-02490-y>
 21. Golam Fahad, **Rouzbeh Nazari**, Parth Bhavsar, Mohammad Jalayer, Maryam Karimi, A decision-support framework for emergency evacuation planning during extreme storm events,

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22. Peter Dorofy, **Rouzbeh Nazari**, Peter Romanov, Application of Dynamic Threshold in a Lake Ice Detection Algorithm. American Journal of Remote Sensing. Vol. 6, No. 2, pp. 64-73. [doi: 10.11648/j.ajrs.20180602.12](https://doi.org/10.11648/j.ajrs.20180602.12), 2018
 23. MH Motamedi, A. Iranmanesh, **R. Nazari**, Quantitative Assessment of Resilience for Earthen Structures Using Coupled Plasticity-Damage Model, Journal of Engineering Structures, Volume 172, Pages 700-711, 2018, <https://doi.org/10.1016/j.engstruct.2018.06.050>
 24. Ismaeil Kamali, **Rouzbeh Nazari**, Determination of maize water requirement using remote sensing data and SEBAL algorithm, Agricultural Water Management, Volume 209, Pages 197-205, 2018, <https://doi.org/10.1016/j.agwat.2018.07.035>
 25. Karimi, M. **Nazari, R.** Dutovo, D., Vant-Hull, B., Khanbilvardi, R., A Conceptual Framework for Environmental Risk and Social Vulnerability Assessment in Complex Urban Settings, Journal of Urban Climate, Elsevier, ISSN: 2212-0955, Journal of Urban Climate, Vol. 26, pp. 161-173, 2018, <https://doi.org/10.1016/j.uclim.2018.08.005>
 26. Fahad, Golam, **Nazari, Rouzbeh**, Joseph Dario, Dot Lundberg, Regional Study of Spatial and Temporal Temperature and Precipitation Patterns Using Bias Corrected RCP and High Resolution Scenarios, Journal of Earth Science and Climate Change, Journal Volume 8, Issue 9, Page 409, 2018, [doi: 10.4172/2157-7617.1000409](https://doi.org/10.4172/2157-7617.1000409)
 27. Fahad, Golam, Islam, AKM Saiful, **Nazari, Rouzbeh**, M., Islam, G.M., Bala, Sujit, Regional changes of precipitation and temperature over Bangladesh using bias corrected multi-model ensemble projections considering high emission pathways, International Journal of Climatology, Volume 38, Issue 4, Pages 1634-1648, <https://doi.org/10.1002/joc.5284>
 28. Hurler, C. Plucinsky, A. Sooy, K. Stenger, J. **Nazari, R.** Impact Assessment of Extreme Storm Events on Southern New Jersey Coastal Communities, Journal of Flood Engineering ISSN : 0976-6219, Vol. 7 No. 2 2017
 29. Karimi, M. **Nazari, R.** Vant-Hull, B., Mittenzwei, M., Khanbilvardi, R., Predicting Surface Temperature Variation in Urban Settings Using Real-Time Weather Forecasts, Journal of Urban Climate, Vol. 20, pp. 192-201, Elsevier, 2017 <https://doi.org/10.1016/j.uclim.2017.04.008>
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 31. Mohammadreza Yadollahi, **Rouzbeh Nazari**, Nicholas Joseph Spanos & Nicholas Minner, An application of fuzzy factor analysis for sustainable bridge maintenance and retrofit projects, International Journal of Management Science and Engineering Management, Volume 12, 2017 - Issue 4, Pages 225-236, 2016, <https://doi.org/10.1080/17509653.2016.1205528>
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 33. P. Dorofy, J. D. Moore, K. Varghese, **R. Nazari**, Establishing a Geospatial Intelligence Pipeline through Earth SySTEM Education, Journal of The Earth Scientist, ISSN: 1045-4772, Volume XXXI, Issue 2, Summer 2015, [DOI: 10.1109/ISECon.2018.8340492](https://doi.org/10.1109/ISECon.2018.8340492)
 34. Kamali, I. **Nazari, R.** Faridhosseini, A. Ansari, H. Saeid Eslamian, S. The Determination of Reference Evapotranspiration for Spatial Distribution Mapping Using Geostatistics, Water

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35. Vant-Hull, B. Karimi, M. Sossa, A. **Nazari, R.** Khanbilvardi, R., “Fine Structure in Manhattan’s Daytime Urban Heat Island: a New Dataset”, J. Urban and Env. Eng. vol. 8, núm. 1, pp. 59-74, 2014, [doi: 10.4090/juee.2014.v8n1.059074](https://doi.org/10.4090/juee.2014.v8n1.059074)
 36. Dobler, G. Ghandehari, M. Koonin, S. **Nazari, R.** Patrinos, A. Sharma, M. Tafvizi, A. Vo, H. Wurtele, J. Dynamics of The Urban Lightscape, Journal of Information Systems, ELSEVIER, Volume 54, 115-126, 2015, <https://doi.org/10.1016/j.is.2015.06.002>
 37. Mahani, S. **Nazari, R.** and Khanbilvardi, R. Evaluation of Remotely-Sensed Rainfall Algorithms for Strong Hurricanes, International Journal of Hydrology Science and Technology, ISSN : 0976-6219, Pp. 1–18, 2013
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 39. **Nazari, R.** and Khanbilvardi, R. ‘Application of dynamic threshold in sea and lake ice mapping and monitoring’, Int. J. Hydrology Science and Technology, Vol. 1, Nos. 1/2, pp.37–46. 2012
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5.7 Books and Book Chapters

1. **Rouzbeh Nazari**, Md Golam Rabbani Fahad, Maryam Karimi, Saeid Eslamian, Continuous Large-Scale Simulation Models in Flood Studies, Flood Handbook, CRC Press ISBN 9780429463938, 2022
2. Karimi, Maryam, **Nazari, Rouzbeh**, Sabrin, Samain, Extreme Heat Events and Public Health, Public Health Emergencies, Springer Publishing Company, ISBN: 978-0-8261-4902-2, 2021
3. Alireza Gohari, Mohammad Javad Zareian, Saeid Eslamian and **Rouzbeh Nazari**, Inter-basin Transfers of Water: Zayandeh-Rud Basin, Handbook of Drought and Water Scarcity, Taylor & Francis Publishing Group (CRC Press), 2017
4. Dinara Abbasova, Saeid Eslamian, **Rouzbeh Nazari**, Paleo-Drought: Measurements and Analysis, Handbook of Drought and Water Scarcity, Taylor & Francis Publishing Group (CRC Press), 2017
5. Khanbilvardi, R. Lakhandkar, T. **Nazari, R.** Krakauer, N. Powel, A. Remote Sensing Data and Information for Hydrological Monitoring and Modeling, Handbook of Engineering Hydrology, Modeling Climate Changes and Variability. Taylor & Francis Publishing Group (CRC Press), 2013
6. **Nazari, R.** De Hoyos, S. Khanbilvardi, R. Freshwater Demands and Shortages, Encyclopedia of Crisis Management. ISBN: 9781452275956, Publisher: SAGE Publications, 2013
7. **Nazari, R.** Karimi, M. Mahani, S. Environmental Contamination, Encyclopedia of Crisis Management. ISBN: 9781452275956, Publisher: SAGE Publications, 2013
8. Fakhri, M., Farzaneh, M. R., Eslamian S. and **Nazari, R.**, Wind Speed Regionalization Under Climate Change Conditions, New Developments in Renewable Energy, ISBN 978-953-51-1040-8, Publisher: INTECH, 2013

9. **Nazari, R.**, S. Eslamian and R. Khanbilvardi, Water Reuse and Sustainability, Chapter 11, in Ecological Water Quality-Water Treatment and Reuse by K. Voudouris & D. Vousta, 241-254, Intech., ISBN 979-953-307-745-0, 2012

5.8 Conference Proceedings

1. Khaushal, A., Karimi, M., **Nazari, R.**, and Dransfield, M., Examining the Relationship between Geographic Proximity to Toxic Chemical Release Sites and COPD Prevalence in Vulnerable Communities in Birmingham, AL, Tri National Conference US EPA- Tri, Arlington, VA, October 2023
2. **Nazari, R.**, Karimi, M., High-Resolution hydrodynamic modeling and flood damage assessment in complex urban systems, IUGG23, Berlin, Germany, July 2023
3. **R. Nazari** and M. Karimi, An Innovative Decision-Making Framework For Assessing Resilience And Vulnerability of Urban Coastal Communities, 14th Ecocity World Summit, London, June 2023
4. **R. Nazari**, Disaster Resilience Solutions for Sustainable Smart Cities of Tomorrow, Stockholm Smart City Conference and Expo, May 2023
5. Karimi, M., Sabrin, S., Kaushal, A., and **Nazari, R.**, Disparities in Environmental equity and Respiratory Symptoms of COPD patients in terms of Proximity to National Priorities List (NPL) sites, SOPH Conference, April 2023
6. Karimi, M., Sabrin, S., and **Nazari, R.**, Assessing the Impact of Urban Canopy Thermal Level on Pedestrian Comfort and the Benefits of Vegetation in Colling, Earth Science 2023 Congress, UAE, April 2023
7. Karimi, M., **Nazari, R.**, High-Resolution Flood Modeling and Resiliency Planning in Urban Coastal Environment, AMS Conference, Colorado, January 2023
8. Karimi, M., Sabrin, S., and **Nazari, R.**, Effects of Different Urban-Vegetation Morphology on the Canopy-level Thermal Comfort and the Cooling Benefits of Shade Trees: Case-study in Philadelphia, FOREM, Budapest, Hungary, March 21-23, 2023
9. Karimi, M., Sabrin, S., and **Nazari, R.**, Modeling Heat-Exposure and Heat-Risk Vulnerability Utilizing Earth Observations and Social Drivers of Heat Island Effects: A Case Study for Eight Cities in Alabama, USA, American Meteorological Society Annual Meeting (13th Conference on Environment and Health), Texas, Houston, January 2022
10. Karimi, Maryam; **Nazari, Rouzbeh**; Mirbozorgi, Abdollah; Sabrin, Samain; Kaushal, Aishwarya; Standalone Wearable Lung Performance and Air Quality Monitoring Device for Chronic Respiratory Diseases, 20th IEEE NEWCAS, Quebec, Canada, June 2022
11. **Rouzbeh Nazari**, Maryam Karimi, Samain Sabrin, Md Golam Rabbani Fahad, Developing a Framework for Infectious Disease Transmission and Spread Using SARS, MERS and COVID19 Data, GSPHPM2022, Munich, Germany, May 2022
12. **R. Nazari**, Advanced Decision-Making Framework and Flood Resiliency Planning Through Integration of Fluid and Solid Systems, AWRA Geospatial Water Technology Conference, Austin, TX, May 2022
13. **R. Nazari**, Challenges and Opportunities of Flood Risk Management in Alabama, American Water Resources Association Conference on Water Risk Under a Rapidly Changing World - Evaluation and Adaptation, Tuscaloosa, AL, April 2022
14. Karimi, M., Sabrin, S., and **Nazari, R.**, Understanding the Importance of Thermal level Comfort and Impact of Cooling Vegetations, American Water Resources Association, 2022 Geospatial Water Technology Conference, Urban and Climate, Houston, Texas, March, 2022

15. **R. Nazari** and Golam Fahad, Application of SWAT and LSTM-RNN for Large-Scale Hydrological Modeling to Predict the Instantaneous Peak Flow: A Case Study for the Black-Warrior River Basin, Alabama, 36th Conference on Hydrology, American Meteorological Society 102nd Annual Meeting, January 2022
16. **R. Nazari** and Golam Fahad, Integrated Resilience and Vulnerability Solutions for Coastal Communities at Risk, Alabama, 20th Symposium on the Coastal Environment, American Meteorological Society 102nd Annual Meeting, January 2022
17. M. Karimi, Samain Sabrin and **R. Nazari**, Modeling Heat-Exposure and Heat-Risk Vulnerability Utilizing Earth Observations and Social Drivers of Heat Island Effects: A Case Study for Eight Cities in Alabama, 13th Conference on Environment and Health, American Meteorological Society 102nd Annual Meeting, January 2022
18. **R. Nazari** and M. Karimi, An Innovative Decision-Making Framework For Assessing Resilience And Vulnerability of Urban Coastal Communities, 14th Ecocity World Summit, Ecocity 2022
19. **R. Nazari** Application of Hydrodynamic Modeling and Flood Planning in Resilience Assessment of Urban Coastal Regions, 32nd Alabama Water Resources Conference, September 2021
20. **R. Nazari**, A Decision Making Framework Based on Coupled Plasticity-Damage Model for Structural Flood Resiliency Analysis of Earthen Structures, ASCE Birmingham Branch, May 2021
21. **R. Nazari** and Golam Fahad, Assessing Resilience and Vulnerability of Coastal Communities through Multi Scale Hydrodynamic Modeling, The New Jersey Association for Floodplain Management (NJAFM), October, 2019
22. **Rouzbeh Nazari**, A Decision Making Framework for High Resolution Flood Resiliency Assessment of Coastal Communities Alabama Water Conference September 2019
23. M. Hosein Motamedi, M.G.R. Fahad, **R. Nazari**, An innovative framework for high resolution quantitative assessment of flood resiliency of communities, AGU, Washington DC, AGU Dec. 2018
24. M. Hosein Motamedi, M.G.R. Fahad, **R. Nazari**, Flood Vulnerability Assessment and Data Visualization for Lifeline Transportation Network, the 20th Annual Research Showcase West Windsor, NJ, October 17, 2018
25. **R. Nazari** and M. Hosein Motamedi, An Innovative Framework for High-Resolution Quantitative Assessment of Flood Resiliency of Coastal Communities, The New Jersey Association for Floodplain Management (NJAFM), Oct. 25, 2018
26. Karimi, M., Shaman, J., and Nazari, R., "Quantifying the impacts of built environment and surface properties on Temperature Extremes", Environmental Pollution and Health Hazards, 2nd Annual Conference, Osaka, Japan, 2018
27. Motamedi and **R. Nazari**, Quantitative Assessment of Resilience for Earthen Structures using Coupled Plasticity-Damage Model, MH Super Storm Sandy: Five Years Later, October 26-27, 2017
28. Iranmanesh, A., Clark, U., Fahad, G., Lundberg, D., Motamedi, M., and **Nazari, R.** (2018) "Resilience Assessment of Bridges Subjected to Hurricanes" Transportation Research Board (TRB), 97th Annual Meeting, January 7-11, Washington D.C., USA

29. Iranmanesh, A. Clark, U., **Nazari, R.**, & Dusseau, R. (2017) “Resilience Assessment of Bridges Subjected to Hurricanes”, *Super Storm Sandy: Five Years Later*, Lyndhurst, New Jersey, USA
30. John Moore, Peter Dorofy, **Rouzbeh Nazari**, Michael Jabot, Nidhal Bouaynaya, Brian Hagerty, Earth SySTEM: Investigating Earth from Space, IEEE Integrated STEM Conference (ISEC), Princeton, NJ, March 10, 2018
31. **Rouzbeh Nazari**, Applications of High Resolution Enhanced Hydrodynamic Modeling for Coastal Community Resiliency, Interfaces in the Critical Zone, AGU-SEG Hydrogeophysics, Stanford, CA 2017
32. P. Awolumate, M. Rudy, R. Ramachandran, N. Bouaynaya, K. Dahm, **R. Nazari**, U. Thayasivam, A Pattern Recognition Approach To Signal To Noise Ratio Estimation Of Speech, American Society for Engineering Education (ASEE) Conference, NSF Grantees Session, Columbus, Ohio 2017
33. P. Dorofy, J. A. Yuhas and **R. Nazari**, Evaluating GLOBE Data to Calibrate a Satellite Product for Snow and Ice Discrimination, American Meteorological Society (AMS) Conference, 26th Symposium on Education, Seattle, WA 2017
34. Katie Miller, **Rouzbeh Nazari**, Joseph A. Daraio, Community Based Resiliency Planning Through Green Infrastructure, 14th Urban Watershed Management Symposium, ASCE-EWRI, Sacramento, CA 2017
35. **Rouzbeh Nazari**, A Decision Making Framework in Assessing Climate Resilience and Vulnerability of Southern New Jersey Coastal Communities Through Multi-Scale Hydrodynamic Modeling, ASCE-EWRI, West Palm Beach, FL 2016
36. **R. Nazari**, P. Dorofy, P. Romanov, and R. Khanbilvardi, Sea Ice Mapping Algorithm for Future Operational Geostationary Satellites, American Meteorological Society (AMS) Conference, New Orleans, LA 2016
37. R. Nazari, M. Karimi, C. Goins, A. Musilli, M. Ghandehari, and R. Khanbilvardi, A Framework to Conceptualize Environmental and Social Vulnerability to High Temperatures in Urban Landscapes, American Meteorological Society (AMS) Conference, Seventh Conference on Environment and Health, New Orleans, LA 2016
38. Karimi, M. Vant-Hull, B. **Nazari, R.** and Khanbilvardi, R., Surface Temperature Variation Prediction Model Using Real-Time Weather Forecasts, American Meteorological Society (AMS) Conference, Seventh Conference on Environment and Health, New Orleans, LA 2016
39. P. Dorofy, M. Mooney and **R. Nazari**, Pixel Classification for Pre-College Students Using GOES-R Proxy Data, American Meteorological Society (AMS) Conference, 12th Annual Symposium on New Generation Operational Environmental Satellite Systems, New Orleans, LA 2016
40. **Rouzbeh Nazari**, Katie Miller and Collin Hurler, Hydrodynamic Based Decision Making Framework for Impact Assessment of Extreme Storm Events on Coastal Communities, AGU, San Francisco, 2015
41. Karimi, M. Vant-Hull, B. **Nazari, R.** and Khanbilvardi, R., Surface Temperature Variation Prediction Model Using Real-Time Weather Forecasts, AGU, San Francisco, CA 2015

42. Dorofy, P. **Nazari, R.** Establishing a Geospatial Intelligence Pipeline through Earth SySTEM Education, NOAA/NESDIS Cooperative Research Program (CoRP), Univeristy of Maryland, September 16-17, 2015
43. **Nazari, R.** Hurler, C. Plucinsky, A. Sooy, K. Stenger, J., Impact Assessment of Extreme Storm Events on Southern New Jersey Coastal Communities, International Conference on Coastal Cities and their Sustainable Future, New Forest, UK, 7 - 9 July, 2015
44. Musilli, A. **Nazari, R.**, Application of Big Data in Landfill Fire Management and Risk Assessment, New Jersey Big Data Alliance 2015 Symposium, April 29, 2015
45. **Nazari, R.**, Musilli, Candelaria, K. Cohen, R. Davidson, T., Assessment of Land Surface Properties Impact on Near Surface Air Temperature in Urban Environments, 9th International Conference on Urban Climate, Toulouse, France 2015
46. Karimi, M., Vant-Hull, B., **Nazari, R.**, and Khanbilvardi, R., (2015), "Land Surface and Climate Change Impacts on Temperature Variation in New York City", ICUC, 9th Annual Meeting, Toulouse France, 2015
47. **Nazari, R.** Urban Microclimate Assessment and Neighborhood Temperature Variations Due to the Urban Heat Island, American Meteorological Society (AMS) Conference, Phoenix, AZ 2015
48. Karimi, M. Vant-Hull, B. **Nazari, R.** and Khanbilvardi, R. Impact of Environmental Factors in Variation of Temperature in Respect to Urban Heat Island, American Meteorological Society Conference, Phoenix, AZ 2015
49. Vant-Hull, B. Karimi, M. **Nazari, R.** Sossa, A. and Khanbilvardi, R. A Simple Statistical Model for Predicting Fine Scale Spatial Temperature Variability in Urban Settings, American Meteorological Society Conference, Phoenix, AZ 2015
50. Sossa, A. Vant-Hull, B. **Nazari, R.** and Karimi, M. Landsat Retrieved Surface Properties Effects on the Day Time Temperature Pattern in New York City, American Meteorological Society Conference, Phoenix, AZ 2015
51. **Nazari, R.** Vasiliadis, H. Flooding Impacts on New York State Wastewater Infrastructures in the Light of Extreme Events, SHPE Conference, Detroit, MI, November 2014
52. **Nazari, R.** New York City Thermal Cycle Assessment and Neighborhood Temperature Variations Due to the Urban Heat Island, Fifth International Conference on The Constructed Environment, University of Pennsylvania, Philadelphia, 16–17 October 2014
53. **Nazari, R.** Ghandehari, M. Gholitabar, S. Thurston, G. Assessment of the Air Quality Impact of Traffic Congestion in Urban Environment, AGU Fall Meeting, San Francisco, California, 9-13 December, 2013
54. **Nazari, R.** Ghandehari, M. M. Karimi, M. Vant-Hull, B. Khanbilvardi, R. Assessment of Urban Infrastructure Impact on New York City Neighborhoods Thermal Variations, The 94th AMS Annual Meeting, Atlanta, Georgia from 2-6 February, 2014
55. **Nazari, R.** De Hoyos, S. and Khanbilvardi, R. Monitoring Humidity Over Land Using Satellite Based Data, IEEE International Geoscience & Remote Sensing Symposium, Munich, Germany, July 22-27, 2012
56. Karimi, M. Vant-Hull, B. **Nazari, R.** and Khanbilvardi, R. Thermal Neighborhood Observations and Effects on Human Health Neighborhood Variations in Urban NorthEast Urban Heat Island, IEEE International Geoscience & Remote Sensing Symposium, Munich, Germany, July 22-27, 2012

57. **Nazari, R.** and Speight, B. The Effects of Temperature, Humidity, and Pollution on Asthma-Related Emergency Department Visits at Two Hospitals in Bronx, New York, The Sixth Education and Science Forum, NOAA Educational Partnership Program, Florida A&M University, March 26-28, 2012
58. **Nazari, R.** De Hoyos, Land Surface Humidity Monitoring Using Satellite Based Data, The Sixth Education and Science Forum, NOAA Educational Partnership Program, Florida A&M University, March 26-28, 2012
59. Karimi, M. Vant-Hull, B. **Nazari, R.** and Khanbilvardi, R. Characterizing Environmental Factor for Climate Health Impacts and Asthma, The Sixth Education and Science Forum, NOAA Educational Partnership Program, Florida A&M University, March 26-28, 2012
60. **Nazari, R.** and Khanbilvardi, R. Development of an Advanced Technique for Mapping and Monitoring Sea and Lake Ice in Preparation for GOES-R Advanced Baseline Imager (ABI), Eighth Annual Symposium on Future Operational Environmental Satellite Systems, AMS, New Orleans, LA, January 22-26 2012
61. **Nazari, R.** and Khanbilvardi, R. Mapping and Monitoring of Sea and Lake Ice in Preparation for GOES-R Advanced Baseline Imager (ABI), American Geological Union Fall Meeting, San Francisco, CA, December 6-10, 2011
62. **Nazari, R.** Impact of Flood and Sea Level Rise on Coastal Areas and Damages in Long Island, NY, Pilot Study for the US Coastal Regions, 9th Annual New York City College of Technology Faculty and Student Research Poster Session, November 17, 2011
63. **Nazari, R.** Ghedira, H. Temimi, M. Romanov, P. and Khanbilvardi, R. Development and validation of a BRDF model for ice mapping for the future GOES-R Advanced Baseline Imager (ABI) using Artificial Neural Network, The AMS 88th Annual Meeting, New Orleans, LA, 20-24 January 2008
64. **Nazari, R.** Temimi, M. Ghedira, H. and Khanbilvardi, R. NOAA- CREST, New York City, New York, An automated approach for sea ice mapping and ice fraction determination for the future GOES-R Advanced Baseline Imager (ABI), 2008 IEEE International Geoscience & Remote Sensing Symposium, Boston, MA, July 6-11, 2008,
65. **Nazari, R.** Mahani, S. and Khanbilvardi, R. Climate Changes Interaction with Tropical Storm (Hurricane), Fourth Annual NOAA-CREST Symposium, Puerto Rico, Mayaguez, February 23-25 2006
66. Eslamian, S. S., Ghoudarzi, A. and **Nazari, R.** Investigation of the Changes of Permeability, Physical and Chemical Characteristics of Sediment Basins for Artificial Recharge In Bagh-E-Sorkh Region, Shahreza, Isfahan, 22nd Annual International Conference on Soils, Sediments and Water, University of Massachusetts at Amherst, 2006
67. **Nazari, R.** Mahani, S. and Khanbilvardi, R. Changes in Sea Surface Temperature and North Atlantic Hurricane Activities, AGU Joint Assembly, Baltimore, Maryland, May 23-25 2006,
68. **Nazari, R.** Mahani, S. and Khanbilvardi, R. Impacts of Climate Change and Tropical Storms (Hurricanes) on Coastal regions, 27th Conference on Hurricanes and Tropical Meteorology, Monterey, California, 2006
69. **Nazari, R.** and Eslamian, S. S., Management, Optimization and Simulation for an Optimum Distribution of Water in Kalamarz Multi-Reservoir System, Mianeh Basin. 6th International Conference on Hydro science and Engineering (ICHE-2004), Australia, May 30-June 2, 2004.
70. **Nazari, R.**, Tabatabaei H., Abedi Koupai, J., A Mathematical & Management Model of Ground Water with Emphasis on Artificial Recharge for Damaneh Plain, The Second International Conference on Salt Water Intrusion and Coastal Aquifers, Mirada, Mexico, 2003

71. Eslamian, S. S., Khatoonabadi, S. A., Hamadani, A. and **Nazari, R.**, Water Resources Mismanagement and Desertification of a Semiarid Region, Gahavand Plain, Seventh International Conference on Dry Land Development: Sustainable Development of Dry Lands in the 21st Century, The International Dry Lands Development Commission (IDDC), Tehran, Iran. 2003
72. **Nazari, R.** and Eslamian, S. S. Hydrological Homogeneity Test of Catchments Using L-moments Diagram, International Conference on the Rational Use and Conservation of Water Resources in a Changing Environment, Yerevan, Armenia, 2003
73. Eslamian, S. S. and **Nazari, R.**, Economic Evaluation of an Iranian Water Resources Project, Third Conference on Agriculture and Natural Resources, Iran and Russia, Moscow. 2002
74. Eslamian, S. S., Ashtari A. and **Nazari, R.**, A Traditional System of Water Harvesting, Turkey Nest, International Conference of Human and Water, Ramsar, Iran. 2002

5.9 Invited Talks And Keynote Speech

1. Proactive Waste Management and Landfill Fire Monitoring, ASCE Alabama Annual Meeting, 2023
2. Coastal Flooding from Hurricane Sandy: Demonstrating Resiliency Planning and Evacuation in Urban Coastal Environments Translating Complex Data into Usable Products, National Oceanic and Atmospheric Administration (NOAA) Pathfinder, 2023
3. Disaster Resilience Solutions for Sustainable Smart Cities of Tomorrow, Stockholm Smart City Conference and Expo, 2023
4. High-Resolution Hydrodynamic Modeling And Flood Damage Assessment In Complex Urban Systems, Jupiter Intelligence, 2022
5. Natural Hazard Resiliency in the Face of Climate Change for Coastal Communities at Risk, University of Hawaii, Manoa, 2022
6. A Scientific Approach To Global Warming And Climate Change, Rutgers Environmental Steward, Sponsored by Cape May City, November 2021
7. A Decision-Making Framework Based on Coupled Plasticity-Damage Model for Structural Flood Resiliency Analysis of Earthen Structures, ASCE Birmingham Branch, May 2021
8. Sustainable and Smart Urban Resilience, Oak Ridge Associated Universities (ORAU), Smart Cities and Communities Conference 2020
9. Coastal Community Resilience in the Face of Growing Extreme Storm Events, New Jersey Department of Environmental Protection, August 2019
10. Quantifying Community Resilience through Multi Scale Modeling and incorporation of Satellite Data, UAB School of Public Health 2019
11. An Innovative New Tool for Damage and Resilience Assessment of Earthen Structures Threatened by Extreme Storm Events, American Society of Civil Engineers, South Jersey Chapter, 2019
12. Application of Drone Based Thermal Sensing for Landfill Management, New Jersey Meadowlands Environmental Research Institute, Rutgers, 2018
13. Structural Damage and Resilience Assessment of Urban Coastal Communities, Pennoni Engineering, Philadelphia, 2018
14. Big Data Analysis Application for Coastal Resiliency Planning, NJMedia/NJ.com, New Jersey, 2018
15. Parcel Based Damage and Casualty Assessment, Wright Flood Insurance Company, New Jersey, 2018

16. Application of High Resolution Data in Coastal Structural Damage and Resilience Assessment, The Mott MacDonald Engineering Group, Iselin, NJ 2018
17. Assessing Resilience and Vulnerability of Woodbridge Township Coastal Communities Through Multi-Scale Hydrodynamic Modeling, Woodbridge, NJ 2018
18. Development of a Resilience and Vulnerability Assessment for Brick Township Coastal Community, Brick, NJ 2018
19. High Resolution Parcel Based Damage and Resilience Index for Casualty Assessment, Brown and Brown Company, New Jersey, 2018
20. Keynote Speaker, Resiliency Symposium, Rowan University, June 16th, 2017
21. Invited Speaker, Application of Drones and Satellite Based Remote Sensing in Solid Waste Management and Landfill Monitoring, SWANA New Jersey Chapter 2017 Annual Spring Conference, Sustainability Through Innovation & Technology, April 2017
22. Keynote Speaker, Application of Satellite and Drone Based Sensing In Water Resources Management, First Imagination Session of 2017, I spy with my little eye, American Water, April 2017
23. Keynote Speaker, Application of Remote Sensing and Drone Technologies in Advance Water Resources Management, Utility of The Future, American Water Symposium IV, 2016
24. Keynote Speaker, Effective Applications of an Enhanced Fine-Scale Hydraulic Model for Coastal Community Resiliency, NJAFM 12th Annual Conference, 2016
25. Keynote Speaker, Monitoring Harmful Algae Bloom (HABs) Using Remote Sensing Platforms, Second Imagination Conference, 2016
26. Keynote Speaker, Enhanced Hydrodynamic Modeling for Resiliency Planning, New Jersey Coastal Coalition Meeting, 2016
27. Keynote Speaker, Extreme Storm Events Impact on Southern New Jersey Coastal Communities, American Water Symposium, 2015
28. Resiliency Planning in the Light of Extreme Storm Events, American Society of Civil Engineers, South Jersey Chapter, 2015
29. Sea-Level Rise And Extreme Storm Events Impacts on The Transportation Infrastructures, Rutgers University, 2014
30. Urban Heat Island Assessment Using High Resolution In Situ and Satellite Datasets, Drexel University, 2014
31. Coping With Climate Change In Urban Environments, New York University, Center For Urban Science And Progress (CUSP), 2014
32. Energy Production From Urban Runoff And Grey Water, University Of Rhode Island
33. Characterizing Environmental Factor For Climate Health Impacts And Asthma In Urban Environment, Columbia Presbyterian Hospital, 2013
34. Global Water Security, Florida Atlantic University, 2013
35. Climate Change And Water In Semi-Arid Regions Water Resources, California State University, 2012
36. Applications of Remote Sensing In Water Resources And Environment, Florida International University, 2012

37. Development Of An Advanced Technique For Mapping And Monitoring Sea And Lake Ice, University Of Madison Wisconsin, 2012
38. Coastal Flood Risk Analysis For The Urban And Coastal Areas, Today And Future Sea Levels, Steven Institute of Technology, 2011
39. Invited Speaker, NASA Jet Population Laboratory (JPL), California Institute of Technology, 2013
40. Invited Speaker, National/Naval Ice Center, Washington D.C., 2013
41. Invited Speaker and Visiting Scientist at University of Wisconsin-Madison, Space Science and Engineering Center, 2012
42. Invited Speaker at Earth Institute of Columbia University, The International Research Institute for Climate and Society, 2012
43. Jacobi Medical Center, Albert Einstein College of Medicine, Yeshiva University (2010) Consultant on Environmental Impact of Air Pollution and Aerosol Mapping and Modeling for Asthma Research Center
44. Invited Speaker at NASA Goddard Institute for Space Studies (GISS), 2010
45. Visiting Fellow, Exploring the Atmosphere: Observational Instruments and Techniques at NCAR-Advance Study Program, Boulder, Colorado, 2009
46. Visiting Scholar at NOAA- Cooperative Institute for Research in the Atmosphere (CIRA), Colorado State University, Fort Collin, Colorado, 2008
47. Visiting Scholar at NOAA- NESDIS Center for Satellite Applications and Research (STAR), College Park, Maryland, 2007

5.10 Patents

Inventor: An Innovative Framework for High-Resolution Quantitative Assessment of Flood Resiliency of Communities, Technology ID: 190701

Inventor: An Innovative Real-Time Environmental Exposure and Respiratory Health Assessment, Connecting Environment, Patients and Health Care Providers ID: FWA00005960

5.11 Graduate Students and Post-Doctoral Advising

Post-Doctoral Research Associates

1. Dr. Abi Giglou

Expertise: Hydrogeological Modeling, Surface and Groundwater

Ph.D: University of Memphis

2. Dr. Mohammad Ismael Kamali

Expertise: Geospatial Analytics, Remote Sensing, Agricultural Irrigation

Ph.D: University of Mazandaran

3. Dr. Fahad Rabbani

Expertise: Hydrodynamic Modeling, Floodplain Management

Ph.D: University of Alabama at Birmingham

4. Dr. Samain Sabrin

Expertise: Environmental Modeling, Satellite Remote Sensing, and Data Assimilation

Ph.D: University of Alabama at Birmingham

5. Dr. Dot Lundberg

Expertise: Hydrodynamic Modeling, Floodplain Management

Ph.D: University of Maryland

6. Dr. Mohamad Motamedi

Expertise: Structural Resiliency Modeling

Ph.D: University of Illinois at Chicago

PhD Students

Jennifer Toney, PhD Advisor, Civil, Construction and Environmental Engineering, UAB, 2025
 Kofi Opare, PhD Advisor, Civil, Construction and Environmental Engineering, UAB, 2025
 Mujungu Museru, PhD Advisor, Civil, Construction and Environmental Engineering, UAB, 2025
 Richard Hawkin, PhD Advisor, Civil, Construction and Environmental Engineering, UAB, 2025
 Aishwarya Kaushal, PhD Co-Advisor, Environmental Health Sciences, UAB, 2025
 Fahad Rabbani, PhD Advisor, Civil, Construction and Environmental Engineering, UAB, 2021
 Samain Sabrin, PhD Advisor, Civil, Construction and Environmental Engineering, UAB, 2021
 Husam Alfergani, PhD Advisor, Electrical and Computer Engineering, Rowan University, 2019
 Isabel Perez, PhD. Mentor, Civil and Envir. Engineering, City University of New York, 2014
 Soha Gholitabar, PhD. Mentor, Civil and Envir. Engineering, New York University, 2014

M.S. Students

Mujungu Museru, M.S., Advisor, Civil, Construction and Envir. Engineering, UAB, 2023
 Bhuvan Yandra, M.S. Advisor, Civil, Construction and Envir. Engineering, UAB, 2023
 Jaiden Hatch, M.S. Advisor, Environmental Health Sciences, UAB, 2023
 Selami Buzluk, M.S. Advisor, Civil, Construction and Environmental Engineering, UAB, 2022
 Qing Sun, M.S. Advisor, Civil, Construction and Environmental Engineering, UAB, 2021
 Mukti Patel, M.S., Advisor, Civil, Construction and Environmental Engineering, UAB, 2021
 Gurcharan Singh, MS Advisor, Civil, Construction and Envir. Engineering, UAB, 2020
 Rose Mei Liu Albert, M.S., Co-Advisor, Environmental Health Sciences, UAB, 2020
 Drashti Kishor Shah, M.S., Co-Advisor, Environmental Health Sciences, UAB, 2020
 Deep Patel, M.S., Co-Advisor, Electrical and Computer Engineering, Rowan University, 2020
 Fahad Rabbani, M.S. Advisor, Civil, Construction and Envir. Eng., Rowan University, 2018
 Samain Sabrin, M.S. Advisor, Civil, Construction and Envir. Eng., Rowan University, 2018
 Daria Dutova, M.S. Advisor, Civil and Environmental Engineering, Rowan University, 2018
 Katie Miller, M.S. Advisor, Civil and Environmental Engineering, Rowan University, 2018
 Aurora Musilli, M.S. Advisor, Civil and Environmental Engineering, Rowan University, 2017
 George Nubo, M.S. Advisor, Civil and Environmental Engineering, Rowan University, 2016
 Peter Dorofy, M.S. Advisor, Civil and Environmental Engineering, Rowan University, 2016
 Christopher Seigel, M.S. Committee, Civil and Envir. Engineering, Rowan University, 2015
 Erie Green, M.S. Mentor, Earth and Envir. Sciences, City University of New York, 2014
 Magdalena Rychtecka, M.S. Mentor, Civil and Envir. Eng., City Univ. of New York, 2013
 Sergio H. Irizarry, M. S. Mentor, Civil and Envir. Engineering, City Univ. of New York, 2013

Funded Undergraduate Interns

Rebeca Martin, Ian McKane, Christopher Young, Kelly Pham, Jed Vergara, Shane Kelly, Uriel Clark, Lonnie Souder, Rebecca Adamo, Nicholas Ambrose, Peter Awolumate, Matthew Bresan, Mike Cameron, Ureil Clark, Paul Entwistle, Eric Johnson, Megan Mittenzwei, Mike Moore, Mitchell Rudy, Navjot Singh, Angelic Tucker, Charles White, India Woodruff, Jenna Ledig, Christine Goins, Matthew Bresan, Neirouz Bouhrra

5.12 News Interviews and Public Outreach

Engaging in public outreach through numerous TV and newspaper interviews has been a pivotal aspect of my academic journey, reflecting the expansive reach of my research efforts. Notably, my work has been featured on prominent television and radio networks such as NBC, ABC, FOX, CBS, NPR, PIX11 News and NJTV, underscoring its relevance to a broader audience. In addition to television coverage, major newspapers including, US Guardian, Philadelphia Inquirer, New Jersey Business, and Press of Atlantic City, have recognized and highlighted the significance of my research endeavors. This widespread media coverage not only attests to the societal relevance of my work but also positions UAB as a hub for impactful research, amplifying the university's visibility on a national scale.

These varied media appearances, spanning my entire career, have provided invaluable platforms to convey the depth and relevance of my work to diverse audiences beyond academia. Through these opportunities, I've been able to communicate complex concepts in a manner accessible to the public, fostering a deeper understanding of the significance and implications of my research endeavors. The impact of these media interactions extends far beyond mere recognition, serving as a conduit to disseminate knowledge and insights to a broader spectrum of society. Notably, these engagements have showcased UAB's innovative contributions, generating positive publicity and bolstering the university's reputation as a hub for groundbreaking research.

UAB engineer weighs in on recent record flooding



By Chasity Maxie

Published: Oct. 22, 2021 at 4:49 PM CDT



BIRMINGHAM, Ala. (WBRC) - Local engineers say more needs to be done to shore up flood defenses to help avoid more widespread flooding in our area.

A UAB engineer says if cities don't act soon to update storm water infrastructure, we could see more devastating scenarios like the ones we saw just two weeks ago when record flooding caused major damage to homes and businesses in our area.

"These used to be called extreme storm events, but now, unfortunately, this is our new normal," said Director of the Sustainable Smart Cities Research Center at UAB, Dr. Ross Nazari.

He says the storm water infrastructure in our area is aging lending itself to more devastating flooding.

Figure 7: Dr. Nazari's Interview with Fox News on Flood Disasters

Birmingham partners with UAB to combat food deserts through urban farming initiatives

By Austin Pratt | Fri, July 7th 2023, 6:21 PM CDT



UAB sign on campus in Birmingham (Austin Pratt) | abc340.com



Over two-thirds of Birmingham residents live in food deserts, which are defined as areas with limited to no access to fresh, healthy, and affordable food.

UAB and the city are aiming to provide fresh produce in some of these areas with the help of a nearly \$300,000 grant to the city so that they can learn from current programs and how to implement more. Another \$1 million grant will come from UAB for researching how to easily implement urban agriculture in Birmingham.

The grant is for gaining the information needed for people to be able to start their own farms and grow crops in currently unused areas. UAB's Dr. Ross Nazari explains the idea.

"So if you have a lot of vacant lots that the city has to maintain over the year this could actually be turned over to people with some guidance and help and some knowhow of what type of crop what type of urban agriculture and what is the process that is going to yield some meaningful results A to provide food resources and B to even provide meaningful income."

Figure 8: ABC News Featured Dr. Nazari's USDA NIFA work to combat food deserts through urban farming initiatives

6 SECTION 6. **Summary of Service Activities**

6.1 Service Philosophy

My service philosophy is grounded in the belief that active participation and dedicated contributions to various facets of academia, professional societies, and the broader community are fundamental responsibilities for an impactful and well-rounded academic professional. I view service as a cornerstone of my role, extending beyond the confines of academia to encompass meaningful engagements at national, university, school, departmental, and professional society levels. My approach to service is multifaceted, encompassing a commitment to fostering a culture of collaboration, knowledge sharing, and excellence. At the national level, I actively contribute my expertise to review panels and technical committees, leveraging my insights to inform critical decisions and advancements in research and policy. My engagements with prominent media networks and leading newspapers amplify my work's societal relevance and aim to position UAB as a hub for impactful research on a broader scale. I champion initiatives that promote student well-being, elevate the research profile, and foster a vibrant academic community within the university. My involvement in faculty committees, collaborative projects, and mentoring programs reflects my dedication to nurturing an environment conducive to growth and innovation. Moreover, I commit to active participation within professional societies, leveraging memberships to collaborate with peers, share expertise, and advocate for advancements in our disciplines. Through these interactions, I seek to contribute valuable insights, foster collaborations, and drive the evolution of best practices. In essence, my service philosophy revolves around a dedication to contributing meaningfully, fostering collaboration and excellence, and advancing the collective goals of academia and professional societies. I believe that active service not only enriches the academic landscape but also reinforces the reciprocal relationship between academia, society, and professional advancement, shaping a holistic and impactful academic career.

6.2 Service Statement

My commitment to national-level service extends beyond academic realms into various panels, including chairing the California Climate Action Initiative Review Panel and contributing to the National Science Foundation Proposal Review Panels. I've provided technical expertise to grant review panels such as the New York Sea Grant and Alabama Sea Grant Technical Panels. Furthermore, my engagements with prominent media networks like NBC, ABC, FOX, CBS, NPR, PIX11 News, and NJTV, along with coverage in leading newspapers such as US Guardian, Philadelphia Inquirer, New Jersey Business, and Press of Atlantic City, have not only highlighted the societal relevance of my work but have also amplified UAB's presence on a national scale, showcasing the university as a hub for impactful research. My commitment to serving the profession is reflected in my active involvement and dedicated contributions to several esteemed professional societies. As a member of the American Society of Civil Engineers, The Association of Environmental Engineering and Science Professors, American Meteorological Society, American Geophysical Union, and American Water Resources Association, I've actively participated in shaping the discourse and direction of these organizations. Within these societies, I've undertaken various roles, including serving on committees, contributing to discussions on emerging trends, and participating in conferences and workshops. My engagement with these societies has allowed me to contribute insights, share expertise, and collaborate with peers, fostering a culture of knowledge exchange and professional development. Additionally, these memberships have allowed me to advocate for advancements in our fields, participate in initiatives to address key challenges, and contribute to the evolution of best practices. By actively engaging in these professional societies, I aim to continually contribute to enhancing and progressing our disciplines, furthering the collective goals of our profession.

Within UAB, my service contributions span across diverse areas. I've actively participated in the Faculty Senate representing the School of Engineering, the President's Wellbeing Collaborative, and the University Senate Research Committee. Additionally, my involvement with initiatives like UAB Live Health Smart Alabama and serving as an adviser to the Green Thumb Student Organization underscores my dedication to enhancing campus well-being and fostering student engagement. Furthermore, my media engagements with major television networks and newspapers have spotlighted UAB's research initiatives, elevating the university's profile among a broader audience. I've played an instrumental role in fostering research excellence and collaboration at the school level. Serving on the School Wide Research Committee and as the Smart Cities Research Center Director, I've been committed to advancing interdisciplinary research endeavors.

Within the department, my service contributions have been extensive. I've actively engaged in various committees, including the Department Research Committee, Department Chair Search Committee, and the Department Graduate Committee, facilitating strategic decisions and fostering academic growth. Furthermore, my role as a liaison between Civil Engineering and Environmental Health Sciences has promoted interdisciplinary collaboration. Moreover, my media presence across television networks and newspapers has augmented the department's visibility and highlighted our impactful research initiatives, further enhancing our department's reputation.

6.3 Established Two New Coordinated Degree Programs

- A. New Coordinated MPH/ PhD in Civil Engineering Dual Degree Program,*
- B. New Coordinated MPH/MSCE Degree Dual Program*

Collaborating closely with Dr. Ginter from the School of Public Health, I spearheaded the development of pioneering coordinated degree programs bridging the School of Public Health and the School of Engineering. Together, we formulated the framework for the MSCE/MPH and PhD/MPH programs, collaborating with both Schools. Our collective efforts culminated in curating comprehensive curriculum structures for these programs, aligning them with industry demands and academic rigor. Navigating through the approval process, we engaged with the graduate committees of both schools, meticulously addressing every facet to ensure a seamless integration of disciplines. Our dedication and thorough preparation resulted in the successful approval of these innovative, coordinated degree programs at the university level, marking a significant milestone. These programs now stand as valuable opportunities, open to all students, offering a unique cross-disciplinary approach and positioning them favorably in the academic and professional landscape.

6.4 Complete List of Service Activities

6.4.1 National

- Chair: California Climate Action Initiative Review Panel, 2023
- National Science Foundation, Proposal Review Panels, 2016-Present
- New York Sea Grant Technical Panel Review, 2021-2022
- Alabama Sea Grant Technical Panel Review, 2022

6.4.2 Professional Affiliations

- American Society of Civil Engineers
- The Association of Environmental Engineering and Science Professors
- American Meteorological Society
- American Geophysical Union

- American Water Resources Association

6.4.3 Editorial Boards and Journal Referees

- Co-Editor in Chief: Journal of Flood Engineering (JFE)
- Special Issue Editor Journal of Applied Sciences: "Building Resilient, Smart and Sustainable Communities: Latest Advances and Prospects"
- Special Issue Editor Journal of Urban Science Sciences: "Empowering Urban Resilience: Sustainable Smart Solutions and Advanced Technologies for Community-Centric Development"
- Editorial Boards: ASCE Natural Hazards Review Journal, Journal of Waste Management and Disposal, Reliability Engineering and Resilience, Civil Engineering Journal, Modern Subsea Engineering and Technology Journal
- Journal Referee: Journal of Water Resource Management; Urban Climate; Science of The Total Environment; Sustainable Cities and Society; Agricultural Water Management; Atmospheric Research; Journal of Hydrology; Natural Hazard Review; Waste Management; International Journal of Hydrology Science and Technology (IJHST); Remote Sensing; Environmental Management; Urban Science; International Journal of Water; Applied Sciences; International Journal of Constructed Environment; and The Journal of Transportation Engineering

6.4.4 University

- UAB Faculty Senate
- President's Wellbeing Collaborative
- University Research Committee
- UAB Live Health Smart Alabama
- Green Thumb Student Organization: Adviser
- SOPH EHS Department Faculty Search Committee

6.4.5 Departmental and School

- Department Research Committee
- Department Chair Search Committee
- Department Graduate Committee
- School Wide Research Committee
- Director of Smart Cities Research Center
- Established Two New Coordinated Degree Programs (MSCE-MPH and PhD-MPH)
- Liaison between CCEE and EHS
- Organized FEMA Flood Mapping Workshop for Alabama Municipalities

6.4.6 Services at Rowan University

- Chair, Graduate Program Committee
- Faculty Advisor: United States Green Building Council
- Civil Engineering Department Faculty Search Committee 2016 & 2017
- Alternate Delegate to University Faculty Senate 2015 & 2016

- Faculty Advancement and Training Committee 2015 & 2016
- Geology Department Faculty Search Committee 2017
- Curriculum Committee for the New School of Geology and Environment 2016 & 2017
- Director of Innovation Center Search Committee 2016
- Coordinator of Department Seminar Series 2014 & 2015
- Organized Resiliency Symposium (Over 120 participants)
- Organized the symposium on Utility of The Future with American Water
- Organized CEE Seminar Series and Invited Speakers
- Served on Faculty Advancement and Training Group, Made a Presentation on Remote Sensing and GIS
- Served as Faculty Advisor to the U.S. Green Building Student Club
- Serving on Department Search Committee 2015-2017
- Serving on the Curriculum Committee for the New School of Geology and Environment
- Serving on the Faculty Senate

6.4.7 Services at The City University of New York

- Ex officio Member of The Board of Trustees of City University of New York
- Member of Chancellor's Search Committee for Provost
- Chairperson University Student Senate
- Vice Chair for Graduate Student Affairs at University Student Senate
- Executive Committee Doctoral Students' Council
- Chair of Graduate Committee, the University Student Senate
- Civil Engineering Doctoral Student Council (President 2005-2007, Vice President 2004-2005)

7 SECTION 7. **Appendix**



Shared Governance Open Communication Faculty Advisement Collaboration Inclusive & Transparent Decision Making

Rouzbeh R. Nazari,

Thank you for your service to the UAB Faculty Senate. We appreciate your contributions to discussions related to the function of the university. Our deliberations and actions have informed the administration and community about the best ways to meet the mission, vision, and objectives of the university. Participation in the Senate is voluntary and your willingness to attend Senate and committee meetings represents a commitment to the idea of shared governance. We appreciate the significant contributions you have made to our work over the years and hope that you will encourage others to volunteer their time in a similar manner.

Sincerely,

A handwritten signature in black ink, appearing to read "Joe March".

Dr. Joe March
Faculty Senate Chair 2022-2023

CC: Leon Jololian Chair
Jeffrey Holmes, Dean

The University of Alabama at Birmingham
Faculty Senate Office – Administration Building, Room 916
701 20th St S Birmingham, Alabama 35233 (205) 934-6619

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OFFICE OF THE VICE PRESIDENT - RESEARCH AND INNOVATION

OFFICE OF THE PRESIDENT
1111 Franklin Street, 11th Floor
Oakland, California 94607-5200

September 13, 2023

Rouzbeh Ross Nazari, Ph.D.
Associate Professor, School of Engineering
University of Alabama at Birmingham

Dear Dr. Nazari:

Thank you for serving as Chair for the 2023 California Climate Action Initiative Water Resources and Decarbonization Review Panel and participating on the Tier 2 Matching Grant Panel. We recognize that you volunteer valuable time to prepare for the meetings, evaluate the proposals, and help identify outstanding research and innovation on behalf of the University of California. We very much appreciate your expertise and leadership role in the process.

Based on the thoughtful and diligent work of the review panels, we are confident that the highest-ranked applications represent a diverse portfolio of innovative, actionable research that will advance climate action in California and beyond. We have recently announced the awards. You can view the announcement, press release, and list of awards at <https://uckeepresearching.org/climate-seed-and-matching-awards-announced/>.

We are most grateful for your significant contributions to the review and selection process. We hope you were also rewarded by the interesting intellectual discussions on the exceptional work that will spur solutions to address our most critical and pressing climate-related needs and priorities.

Sincerely,

A handwritten signature in purple ink that reads "Theresa A. Maldonado".

Theresa A. Maldonado, Ph.D., P.E.
Vice President for Research & Innovation

A handwritten signature in black ink that reads "Anna Ward".

Anna Ward, Ph.D.
Program Officer, Research Grants Program Office

UAB Sustainable Smart Cities Research Center working with the City of Birmingham, industry leaders, and community residents to improve Birmingham neighborhoods

Last year was a great success for the UAB Grand Challenge Live Health Smart Alabama (LHSA). Although we just completed the second year of LHSA, great strides have been made. The **Built Environment Team** of LHSA, led by CCEE Professor **Fouad H. Fouad and James Fowler**, Director of Transportation Department in the City of Birmingham, met on a weekly basis and was able to implement major improvements in the neighborhoods of **Kingston, North Titusville, and Bush Hills**. These accomplishments were only possible due to strong collaborations with the **community** and support from local **industry partners**.

Members of the Built Environment Team of Live HealthSmart Alabama (LHSA) included: Paula Alvarez (Associate Director of SSCRC), CCEE Professors Andrew Sullivan, CCEE Professor Rouzbeh Nazari, and CCEE Professor / CCEE Interim Dept Chair Wesley Zech. The City of Birmingham team included Christina Argo (Division Manager of Strategic Projects and Innovation), Thomas Yuill (Senior Planner), Jason Hjetland (Senior Planner), and Amy Zari (Transportation Design Manager).

The proposed built environment improvement plans have been developed in collaboration with the input from key stakeholders and community representatives. The proposed improvement plans focus on built environment elements including **sidewalks, crosswalks, signage, bike lanes, blight mitigation, lighting and green spaces among others**.

Two ribbon-cuttings events took place in the summer and fall of 2021 in the two Live HealthSmart Alabama demonstration communities of Titusville and Kingston. Bush Hills is the third neighborhood to embark on this journey toward better health for all. On December 2nd 2021, residents of Bush Hills joined BL Harbert International and UAB Live HealthSmart Alabama for a revitalization kick-off event where volunteers were assigned community projects including general cleanup and tree and flower planting.

In 2022 the Built Environment Team will focus on **Bush Hills and East Lake** neighborhoods and the goal is to complete the improvements by summer of 2022. Work has already started in Bush Hills and initial plans for East Lake have been developed.

Two exciting developments in 2021 –

1. LHSA the inaugural selection of the UAB Grand Challenge initiative has **received additional funding for two years**, bringing the total funding to \$5 million. The additional funding will go into effect in 2023.
2. Due to our demonstrated experience with planning and implementing built environment improvements to enhance quality of life, the LHSA received funding from **Protective Life Corporation** to identify and implement improvements to the built environment in **five additional Birmingham neighborhoods around the new Protective Stadium**: Fountain Heights, Druid Hills, Norwood, Evergreen, and Central City. The work will commence in 2022 and the goal is to complete the revitalization efforts by the end of the year.

Dr. Rouzbeh Nazari

Project title:

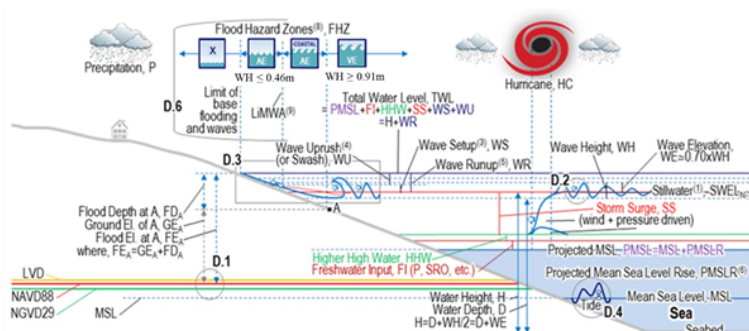
Introducing the Concept of Total Water Level (TWL): A Case Study for High Resolution Flood Damage Assessment for the Wastewater Treatment Plant in NYC.

Brief Description:

Climate change, sea level rise, and storm surge events are now significant factors threatening critical water and wastewater infrastructure. Extreme storm events have increased the need for the preparation required to face the challenges of climate change.



In October 2012, Hurricane Sandy impacted 13 wastewater treatment facilities in New York City alone, causing millions of dollars in damage. Sandy was only a tropical storm, with a wind speed of 22.35 ms⁻¹ (50 mi/h), when it made landfall in New York; however, it caused havoc because it combined with other local cascading events. The storm damage was caused by cascading synergistic events, including storm surge, sea level rise, and rain, rather than a singular decisive event of factor. The disaster left behind by Superstorm Sandy alone magnifies the dire need to understand the damage scenarios and consequences, and to identify resiliency plans and mitigation strategies that consider a multitude of parameters that contributed to the intensified and devastating impacts. This work formulated the critical factors into a new concept introduced here as total water level (TWL). Using hydrodynamic models, the flood depths and elevations were calculated for various return periods and hurricane categories for coastal and riverine flooding, considering TWL to demonstrate the role of cascading events. The results show the compound effect of extreme storm events as hurricane surge combines forces with sea level rise and rainfall events; it translated into an additional 2.74 - 4.26 m of flooding in two studied locations.



Sustainable Smart Cities Research Center

Training

The **Sustainable Smart Cities Research Center (SSCRC)** in collaboration with **Wood E&IS** organized a **2-day FEMA Risk Map Digital Tools Training for the Cahaba and Upper Black Warrior Watershed here at UAB**. They provided this workshop for the professionals in the area to get trained in using digital maps and FEMA products. This is part of SSCRC's outreach efforts and serving the wider community of Birmingham and the State of Alabama.

Research - New Postdoctoral Scholars



Dr. Abi N. Giglou is a new post-doctoral scholar in Dr. Nazari's team at the Sustainable Smart Cities Research Center. He has extensive experience in Hydraulic/Hydrology Engineering, fate transport modeling, and big data simulation. He has consistently contributed to the field's overall understanding of fundamental principles while solving real-world problems in his research field. He developed a practical framework to assess groundwater use and availability, comprehensive field research, and numerical modeling on deep and shallow groundwater flow, soil and water assessment, surface water and groundwater interactions, nutrient load modeling and contaminant transport in porous media, and understanding the unknown aquifer recharge mechanisms at locations across west Tennessee during his post-doctoral fellowship at the University of Memphis.

Dr. Giglou has published the results of his work in peer-reviewed journals and some additional presentations at international conferences. He has notably been invited to do peer review work for prestigious journals for ASCE Journal of Hydraulic Engineering, ASCE Natural Hazards Review, Ain Shams Engineering Journal, and KSCE Journal of Civil Engineering.



Dr. Samain Sabrin is a Postdoctoral Scholar in the UAB School of Engineering, Department of Civil, Construction, and Environmental Engineering providing operational support to the Sustainable Smart Cities Research Center. She successfully defended her Ph.D. Dissertation on 'Modeling local heat-exposure vulnerability and canopy-level thermal comfort in different urban-vegetation' in Spring 2022. She has been a recipient of the Dean's award, Outstanding Graduate Student of the Year 2022, Graduate Research Assistantship (GRA) in the University of Alabama at Birmingham (UAB) and the Henry M. Rowan College of Engineering Graduate Fellowship in Rowan University, New Jersey. She has six years of research experience in built-environment, urban-planning, remote sensing, waste management, landfill subsurface fire, and geographic information systems (GIS). Her doctoral research investigated the quantification of environmental, social, and health impacts caused by the combined role of urban heat islands phenomena and air pollution.

Her work also focused on determining the effects of urban morphology and vegetation on pedestrian thermal comfort. She holds a master's degree in Civil and Environmental Engineering from Rowan University that developed a conceptual framework for risk assessment of the elevated internal temperatures in landfills. She co-authored thirteen peer-reviewed articles, and one book while contributing as the first author of nine articles. She also participated in several technical presentations and conference proceedings on safe-sustainable landfill waste management and mitigation strategies for the heat-island issues in the built environment. She often engages in peer-reviewing for reputed journals such as 'Urban Climate' and 'Sustainable Cities and Society'.

She is a member of the Society of Women Engineers (SWE), Institute of Transportation Engineers (ITE) Student Chapter, Women in STEM at UAB (members), Green Thumb Organization, and Graduate Student Government (GSG) at UAB. She is the former secretary in Bangladeshi Student Association (BSA), a student organization at UAB.

resources. At UAB, he has served on the UAB Faculty Senate and Faculty Senate Research Committee and currently serves the President's Wellbeing Collaborative as well as multiple school and department committees. For the benefit of our communities, he has also been a member of the built environment team associated with the Live HealthSmart Alabama initiative. His service record is excellent.

In conclusion, all committee members believe Dr. Nazari has demonstrated sufficient efficacy in all three areas of teaching, research, and service for promotional consideration to full professor, and strongly support this promotion.

Sincerely,



Wesley C. Zech, Ph.D., LEED AP, Professor of Civil Engineering
Committee Chair



Nasim Uddin, Ph.D., PE, Professor of Civil Engineering



Jack M Rogers, Ph.D., Professor of Biomedical Engineering

The University of Memphis Board of Trustees

Recommendation for Approval

Date: June 5, 2024

Committee: Academic and Student Affairs Committee

Presentation: Tenure Upon Appointment as Professor, College of Communication and Fine Arts
Dr. Debra Burns (Recommendation for Approval)

Presented by: Dr. David Russomanno, Executive Vice President for Academic Affairs and Provost

Background:

Dr. Debra Burns is an established leader of music therapy known around the world for her research into the link between the arts and well-being. She completed five years of postdoctoral training funded by the Walther Cancer Institute and the National Institutes of Health/National Center for Complementary and Alternative Medicine. In 2023, Dr. Burns was awarded a grant to study the neurological and biopsychosocial pathways in the treatment of chronic pain.

In addition to her academic experience as a pioneer in music therapy and research, Burns helped create doctoral programs for music therapy and music technology at IUPUI. While there, she helped double the number of music majors within the department and assisted in the creation of a music technology minor. Among her research endeavors, Dr. Burns has investigated binaural beat technology for post-deployment wellness in soldiers, music therapy intervention to manage compassion fatigue in caregivers and music therapy in palliative care. Dr. Burns is a board-certified music therapist and a member of the American Music Therapy Association.

Recommendation:

The Academic and Student Affairs Committee recommends approval of tenure as Professor in the Rudi Scheidt School of Music for Dr. Burns upon her appointment as dean in the College of Communication and Fine Arts.

TIMELINE ADJUSTMENT FOR PROMOTION AND/OR TENURE

(formerly known as “Tenure Reduction Form”)

FACULTY INFORMATION

NAME: Debra S Burns U-NUMBER: U00123456
FIRST MIDDLE LAST

COLLEGE/SCHOOL: College of Communication & Fine Arts

DEPARTMENT: Rudi Scheidt School of Music

PLEASE CHECK ONE (1):

☒ **TENURE UPON APPOINTMENT****

☐ **PROMOTION TIMELINE** TIMELINE REDUCTION _____ YEAR(S)

☐ **TENURE TIMELINE *** TIMELINE REDUCTION _____ YEAR(S)

☐ **TENURE & PROMOTION TIMELINE *** TIMELINE REDUCTION _____ YEAR(S)

* WILL THIS REDUCTION RESULT IN A CHANGE IN THE INDIVIDUAL’S MID-TENURE REVIEW TIMING? ☐ YES ☐ NO

IF YES, INDICATE THE ADJUSTED MID-TENURE YEAR: _____

(YEAR ONLY – 20XX)

JUSTIFICATION REQUIRED

PLEASE SUBMIT YOUR CV AND JUSTIFICATION, ALONG WITH THIS FORM TO PROVOST@MEMPHIS.EDU.

**Please reference [Section 4.9.3A in the Faculty Handbook](#) regarding procedures for Tenure Upon Appointment.

Tenure Upon Appointment requires review from department/college T&P committee with written acknowledgment and agreement of proposed rank.

RECOMMEND APPROVAL

RECOMMENDED

CHAIR SIGNATURE

DATE (MM/DD/YYYY)

☐ YES

DEAN SIGNATURE

DATE (MM/DD/YYYY)

☐ YES

APPROVAL

APPROVED

David Russomanno

PROVOST SIGNATURE

05/12/2024

DATE (MM/DD/YYYY)

☒ YES

THIS ADJUSTED TENURE AND/OR PROMOTION APPLICATION SUBMISSION WILL BE FALL:

* TO BE COMPLETED BY PROVOST

(YEAR – 20XX)



Rudi E. Scheidt School of Music

3800 Central Avenue
Memphis, Tennessee 38152
Office: 901.678.3764
www.memphis.edu

To: Dr. David Russomanno, Provost
From: Dr. Kevin Sanders, Director of Rudi E. Scheidt School of Music
Date: May 12, 2024
Re: Dr. Debra Burns Promotion Recommendation

Dear Dr. Russomanno,

Dr. Burns' contributions in the areas of teaching, service, and scholarly activity demonstrate she has had a significant and positive impact on her institution and her field. She would advance the reputation of the School of Music on a national and international level and I enthusiastically recommend her for appointment as a tenured professor within the Rudi E. Scheidt School of Music.

Teaching

Dr. Burns has shown remarkable success in curriculum development and academic program leadership. She played a pivotal role in securing the approval and implementation of Ph.D. programs in Music Therapy and Music Technology, significantly advancing her department's academic offerings. She supported the establishment of a Bachelor of Science in Music Therapy degree and collaborated with Butler University to implement a dual-degree program that broadened access to music therapy education. Her strategic planning efforts have led to a doubling of music majors in her department, creating an environment where students can thrive in their chosen fields.

Research & Scholarly Work

A distinguished researcher, Dr. Burns has made significant contributions to music therapy and health research, securing well over \$6 million in grant funding. Her projects include a \$2.4 million NIH/NCCIH grant to explore the impact of music interventions on pain management and a pilot grant to study music therapy for opioid use disorders. Her published works appear in esteemed journals like *BMC Public Health* and *Cancer Nursing*, addressing innovative applications of music therapy in health care. Furthermore, Dr. Burns has been an invited speaker at premier conferences, including the Society for Integrative Oncology, where she discussed the role of music therapy in cancer care.

Service

Dr. Burns has exemplified an unwavering commitment to service at both institutional and national levels. As Chair, she facilitated the successful relocation of her department from the School of Engineering and Technology to the Herron School of Art and Design, ensuring a seamless transition for faculty and students. She co-chaired a strategic task force that focused on developing the Purdue School of Engineering's Diversity, Equity, and Inclusion (DEI) strategic plan, ensuring a comprehensive approach to fostering an inclusive environment. Dr. Burns also served as a reviewer for multiple NIH Special Emphasis Panels, evaluating grant proposals for music and health research. Her dedication to the profession extends to peer reviewing for several academic journals, including the *Journal of Pain Research* and *Journal of Alternative and Complementary Therapies*.



In summary, I agree with the assessment of the School of Music's P&T committee, that Dr. Burns' dossier is extensive and impressive, and she should be appointed as a tenured professor within the School of Music.

Sincerely,

Dr. Kevin Sanders
Director, Rudi E. Scheidt School of Music

Evaluation of Dr. Debra S. Burns for promotion to full professor with tenure in the Rudi E. Scheidt School of Music.

Dr. Debra S. Burns has been Professor of Music and Arts Technology at IUPUI/IU Indianapolis since 2016. She is a leading figure in research on music therapy as applied to cancer treatment: she has a large body of published work in important journals and handbooks in her field. She has also been part of research groups that have been awarded an impressive number of grants from NIH and other organizations; she has served as primary investigator for several of these research projects. Dr. Burns has taught courses in music therapy, especially on research methods, and mentored student research, ranging from projects in the First Year Research Immersion Program (1RIP) through graduate theses. Her service to her department, the university, and her profession is extensive. Within her department/school, she has served as coordinator of the graduate music therapy program and as a member of the Instructional policies committee as well as on other committees; she has served as chair of the Department of Arts and Technology for ten years, first in the Purdue School of Engineering and Technology, then in the Herron School of Art and Design (to where the program moved in January 2024). For the university, she has served as a member of several research groups and on the Faculty Council. Her service to the profession includes eight NIH Special Emphasis Panels (the Panels are groups of evaluators who review grant applications in a specialized area). The latter assignments confirm the respect she has earned in her field.

The Promotion & Tenure committee of full professors in the Rudi E. Scheidt School of Music deems Debra S. Burns qualified for promotion to full professor with tenure in the School, for her extensive and high-profile research and publication record, and for her teaching, mentoring, and leadership experience.

Janet K. Page, chair
Lenny Schranze
David Spencer
Kamran Ince
Jack Cooper

PROMOTION AND/OR TENURE RECOMMENDATION FORM

(FORMERLY KNOWN AS "T&P RECOMMENDATION SIGNATURE FORM")

FACULTY INFORMATION

NAME: Debra S. Burns **U-NUMBER:** U00123456
FIRST MIDDLE LAST

COLLEGE/SCHOOL: College of Communication & Fine Arts

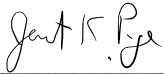
DEPARTMENT: Rudi Scheidt School of Music

INDIVIDUAL APPLYING FOR:

☐ PROMOTION ☐ TENURE ☒ TENURE & PROMOTION **EFFECTIVE:** Fall 2024

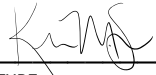
DEPARTMENT PROMOTION AND/OR TENURE COMMITTEE

RECOMMENDATION: ☒ POSITIVE ☐ NEGATIVE **VOTE BREAKDOWN:** 5 POSITIVE 0 NEGATIVE 0 ABSTAIN 0 ABSENT


DEPARTMENT COMMITTEE CHAIR SIGNATURE 05/13/2024
DATE

DEPARTMENT CHAIR RECOMMENDATION

RECOMMENDATION: ☒ POSITIVE ☐ NEGATIVE


DEPARTMENT CHAIR SIGNATURE 5/13/24
DATE

COLLEGE PROMOTION AND/OR TENURE COMMITTEE

RECOMMENDATION: ☐ POSITIVE ☐ NEGATIVE **VOTE BREAKDOWN:** ____ POSITIVE ____ NEGATIVE ____ ABSTAIN ____ ABSENT

COLLEGE COMMITTEE CHAIR SIGNATURE DATE

COLLEGE DEAN RECOMMENDATION

RECOMMENDATION: ☐ POSITIVE ☐ NEGATIVE

Debra S. Burns, PhD, MT-BC

School of Engineering and Technology, IUPUI (until December 31, 2023)
Herron School of Art and Design, IU Indianapolis (starting January 1, 2024)
Department of Music and Arts Technology
535 W. Michigan St., ICTC 391
Indianapolis, IN 46202
Phone: 317-278-2014
Cell: 317-403-9727
E-mail: desburns@iu.edu

CURRENT POSITION:

Chair, Department of Music and Arts Technology
Professor of Music and Arts Technology

EDUCATION:

Postdoctoral	Indiana University, Schools of Medicine and Nursing (2002-2005) Behavioral Oncology. (V. Champion/L. Cripe, mentors)
Postdoctoral	Indiana University School of Nursing (2000-2002) Behavioral Oncology/Cancer Control. (V. Champion/L. Cripe, mentors)
Ph.D.	University of Kansas (August 1999) Music Education/Music Therapy. Minor: Clinical Psychology
M.M.	Illinois State University (December 1991) Music Therapy
B.A.	Glenville State College (December 1987) Music Education

PROFESSIONAL EXPERIENCE (ACADEMIC):

Chair, Department of Music and Arts Technology, Purdue School of Engineering and Technology, IUPUI
(July 1, 2014 to December 31, 2023) and Herron School of Art and Design (starting January 1, 2024).
Responsibilities include the academic and administrative oversight of undergraduate and graduate music technology (BS, MS, PhD), music therapy (BS, MS, PhD), and music minor programs. Oversee 16 fulltime faculty and 4 staff and a budget over 2.8 million. Responsible for budget, personnel, curriculum, facilities, strategic planning decisions, and all academic program approvals and accreditation within the department. Work with Dean and Department Chair colleagues to promote School and academic programs. Also, responsible for course scheduling, curriculum planning, and promotion and tenure.

Significant Accomplishments/Achievements

- Developed and facilitated approval and implementation of PhD in Music Therapy
- Assisted with the development and approval and implementation of PhD in Music Technology
- Supported and assisted the development and implementation of BS in Music Therapy degree program.
- Collaborated with colleagues at Butler University to create and implement a music therapy dual degree for Butler music students.
- Led department through strategic planning process.
- Doubled number of music majors within the department.
- Assisted music technology faculty in creating music technology minor.
- Collaborated with Dean Greg Hull to move the Department of Music and Arts Technology from the School of Engineering and Technology to Herron School of Art and Design (implementation date January 1, 2024).
- Co-Chaired task force focusing on School Viability and Vitality with Purdue School of Engineering and Technology DEI Strategic Plan.
- Participated in writing new campus promotion and tenure guidelines for DEI integrative case.

Assessment and Program Review

- Member of External Program Review for Department of Technology, Leadership and Communication. School of Engineering and Technology, IUPUI

- Responsible for reviewing program assessments for departmental programs and providing recommendations.
- Led department and program self-study for National Association of Schools of Music (NASM) accreditation.
- Authored NASM plan approval documentation for MS in Music Therapy degree
- Authored NASM plan approval documentation for BS in Music Therapy degree
- Authored NASM plan approval documentation for PhD in Music Therapy

Professor, Music and Arts Technology, Department of Music and Arts Technology (2016-present). Prior to joining administration, directed the graduate music therapy program, taught courses in music therapy and music technology graduate program.

Interim Associate Dean for Research, Purdue School of Engineering and Technology (July 1, 2013-June 20, 2014). During my appointment worked with the School's industry specialists to establish corporate relationships useful for student capstone projects and mentored junior faculty in developing cogent research programs.

Associate Professor with tenure, Purdue School of Engineering and Technology (August 2011-July 2016).

Assistant Professor, Purdue School of Engineering and Technology, IUPUI (August 2005-July 2010). Immediately before appointment as Assistant Professor: advocated and developed the MS in Music Therapy (on campus and online). Taught equivalency and graduate music therapy courses, supervised music therapy practicum students, developed community relationships for music therapy practicum sites, supervised music therapy adjunct faculty.

Adjunct Professor, St. Mary of the Woods College, Indiana (2002-2003). Taught research methods to distance music therapy and art therapy graduate students.

Assistant Research Scientist, Indiana University School of Nursing, Indianapolis (2001-2003). Conducted research exploring the benefits of music-based interventions for individuals receiving disease-directed treatment for cancer.

Research Project Coordinator, Indiana University School of Nursing, Indianapolis (2001-2002). Oversaw a multisite behavioral oncology study exploring the benefits of a nursing intervention for prostate cancer survivors and their partners.

Graduate Teaching Assistant, University of Kansas (1996-1999). Taught undergraduate music therapy course work such as beginning guitar, Introduction to Music Therapy, Band and Orchestra Instruments, and supervised music therapy clinical practicum students.

Graduate Teaching Assistant, Illinois State University (1998-1990). Taught class piano to non-music majors.

PROFESSIONAL APPOINTMENTS (NONACADEMIC):

Board Certified Music Therapist (MT-BC) #04036 Certification Board for Music Therapists(1992-present)

Music Therapist, Via Christi Regional Medical Center (1993-1996) Wichita, KS. Responsible for providing individual and group music therapy services to adolescents and adults experiencing mental illness; served locked adolescent unit for patients diagnosed with disruptive behavior disorders and/or drug addiction, adults with chronic mental illness (e.g., bipolar and schizophrenia), and women recovering from sexual and physical abuse.

Music Therapist/Recreational Therapy Assistant, BroMenn Regional Medical Center (1991-1993) Normal, IL. Responsible for assisting recreational therapist in providing musical and non-musical services for nursing home residents. Address patient goals for independence and cognitive stimulation.

SELECTED PROFESSIONAL DEVELOPMENT

Specific to Inclusive Academy

Indiana University DEI Leadership Certification Program (2023)

Project EPIC: Speaking Up: How Bystanders can Change the Conversation (2023)

Project EPIC Leading for Inclusion Dialogues (LIDs) (2022)
 Project EPIC: Virtual Leadership Training Featuring Power Play Interactive Development (2021)
 f2f: Faculty-to-Faculty Mentoring Dialogues (2021)
 Academics for Black Lives: Academics for Black Survival and Wellness (2020)

General

NASM Workshop for Experienced Evaluators (2023)
 International Council of Fine Arts Deans Leadership Development Workshop (2023)
 NASM Site Evaluator Training (2022)
 IUPUI Institute for Engaged Learning: *Tips and Strategies to Promote Student Learning and Engagement during COVID-19* (2020)
 Individual Executive Coaching Experience (2018)
 Indiana University Executive Leadership Institute (2015-2016).
 NASM New Music Administrators in Higher Education (2014)

AWARDS, AND HONORS

IUPUI Spirit of Philanthropy, School of Engineering and Technology, IUPUI (2023)
 Abraham M. Max Distinguished Professor Award, School of Engineering and Technology, IUPUI (2011)
 National Research/Publications Award, American Music Therapy Association (2010)
 Trustees Teaching Award, Indiana University Board of Trustees (2009)
 Outstanding Young Alumnus, Glenville State College (2009)
 Innovative Research Award, IU School of Music Program, IUPUI (2008)
 Innovative Research Award, IU School of Music Program, IUPUI (2006)
 Scholarly Activity Award, Great Lakes Region, AMTA (2006)
 Outstanding Alumnus, School of Music, Illinois State University (2005)

PUBLICATIONS (journal articles and book chapters):

(†Publication with Mentee)

- Mondanaro J & Burns DS (In press). Music Therapy for Specific Medical Conditions. In A. Dos Santos, B. Wheeler, M. Viega (Eds.). *Music Therapy Handbook* (2nd Ed.) NY: Guilford Press.
- Wasmuth, S, Rattray NA, Cheng P, Crow S, Myers J, **Burns DS**, Myers LJ, Hook B, Lustig A, Perkins AJ, Cheatham AJ, Bravata DM (2023). A developmental formative evaluation of a pilot participatory music program for veterans with housing insecurity. *BMC Public Health*, 23(1): 1583. doi: 10.1186/s12889-023-16427-8
- Haase JE, Stegenga K, Robb SL, Hooke MC, **Burns DS**, Monahan PO, Stump TE, Henley AK, Haut PR, Cherven B, Roll L, Langevin AM, Pickler RH, Albritton K, Hawkins D, Osterkamp E, Mitby P, Smith J, Diaz VR, Garcia-Frausto E, Moore M (2022). Randomized Clinical Trial of a Self-care and Communication Intervention for Parents of Adolescent/Young Adults Undergoing High-Risk Cancer Treatment: A Report from the Children's Oncology Group. *Cancer Nursing: An International Journal for Cancer Care Research*, 45(4), 316-331. doi: 10.1097/NCC.0000000000001038.
- McGrath M, Smith J, Rattray NA, Lillie A, Crow S, Myers LJ, Myers J, Perkins AJ, Wasmuth S, **Burns DS**, Cheatham AJ, Patel H, Bravata DM (2022). Teaching pursed-lip breathing through music: MELodica Orchestra for DYspnea (MELODY) trial rationale and protocol. *Arts & Health: An International Journal for Research, Policy and Practice*, 1-17. doi:10.1080/17533015.2020.1827277
- Henley AK, Collier E, Robertson K, Biard, MA, Bruno K, Bush H, Frees E, Krater C, Woolever, S, **Burns DS**, Robb SL (2020). Music Therapist Experiences of a Randomized Controlled Trial as Clinician Researchers, *Journal of Music Therapy*, 57(3), 315–352. doi:10.1093/jmt/thaa005
- Haase JE, Robb SL, **Burns DS**, Stegenga K, Cherven B, Hendricks-Ferguson V, Roll L (2020). Adolescent/young adult perspectives of a therapeutic music video intervention to improve resilience during hematopoietic stem cell transplant for cancer. *Journal of Music Therapy*, 57(1) 3-33. doi:10.1093/jmt/thz014

- Meadows, AN & **Burns, DS** (2019). Guided Imagery and Music in Cancer Care. In D. Grocke (Ed.) *The Bonny Method and Beyond* (2nd ed.) (pp. 205-216). Gilsum, NH: Barcelona Press.
- Wheeler BL, Lesiuk TL, **Burns DS**, Hanser SB, Rossetti A, Cassity MD (2019). Music therapy and music medicine studies in oncology: Part I: A Comparison. *Music & Medicine*, 11(3) 145-159.
- Wheeler BL, Lesiuk TL, **Burns DS**, Hanser SB, Rossetti A, Cassity MD (2019). Music therapy and music medicine studies in oncology: Part II: The use of the Delphi Technique. *Music & Medicine*, 11(3) 160-165.
- Burns DS**, Meadows AN, Althouse S, Perkins SM, Cripe LD (2018). Differences between supportive music and imagery and music listening during outpatient chemotherapy and potential moderators of treatment effects. *Journal of Music Therapy*, 55(1), 83–108, doi: 10.1093/jmt/thy001
- [†]Yukovich J, **Burns DS**, Harrison, T. (2018). The effect of music therapy entrainment on physiologic measures of infants in the cardiac intensive care unit: Single case withdrawal pilot study. *Journal of Music Therapy*, 55(1), 62-82, doi: 10.1093/jmt/thx017.
- Haase JE, Kintner EK, Robb SL, Stump TE, Monahan PO, Phillips C, Stegenga KA, **Burns DS** (2017). The Resilience in Illness Model (RIM) Part 2: Confirmatory evaluation in adolescents and young adults with cancer. *Cancer Nursing: An International Journal of Cancer Care*, 40(6), 454-463. doi: 10.1097/NCC.0000000000000450
- Gantt M, Dadds S, **Burns DS**, Glaser D, Moore A. (2017). The effect of binaural beat technology on the cardiovascular stress response in military service members with post deployment stress. *Journal of Nursing Scholarship: An Official Publication of Sigma Theta Tau International Honor Society of Nursing*, 49(4), 411-420. doi: 10.1111/jnu.12304
- Robb SL & **Burns DS** (2016). Randomized Controlled Trials in Music Therapy. In J Edwards (Ed.), *Oxford Handbook of Music Therapy* (pp. 801-814). London: Oxford University Press.
- [†]**Burns DS** & Masko M. (2016). Combining Interpretivist with Objectivist Methods in Explanatory Sequential Designs. In B Wheeler (Ed.), *Music Therapy Research*, (3rd edition) (pp 509-607). Gilsum, NH: Barcelona Press.
- [†]Liu X, **Burns DS**, Hilliard RE, Stump T, Unroe KT (2015). Music therapy clinical practice in hospice: Differences between home and nursing home delivery. *Journal of Music Therapy*, 52(3), 376-393. doi:10.1093/jmt/thv012
- Meadows AN, **Burns DS**, Perkins SM (2015). Measuring the benefits of music and imagery interventions: The music therapy self-rating scale. *Journal of Music Therapy*, 52(3), 353-375. doi:10.1093/jmt/thv010
- Burns DS**, Perkins SM, Tong Y, Hilliard RE, Cripe LD (2015). Music therapy Is associated with family perception of more spiritual support and decreased breathing problems in cancer patients receiving hospice care, *Journal of Pain and Symptom Management*, 50(2), 225-231. doi: 10.1016/j.jpainsymman.2015.02.022
- Burns DS** & Meadows AN (2015). Music Therapy Research. In B Wheeler (Ed.), *Music Therapy Handbook* (pp. 91-102). NY: Guilford Press, Inc.
- Carpenter JS, Igega CM, Otte JL, **Burns DS**, Yu M, Wu J (2014). Somatosensory amplification and menopausal symptoms in breast cancer survivors and midlife women. *Maturitas*, 78(1), 51-55. doi: 10.1016/j.maturitas.2014.02.006
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- Burns DS** & Woolrich J (2008). The Bonny method of guided imagery in music. In AA Darrow (Ed.), *Introduction to Approaches in Music Therapy (2nd Ed.)* (pp. 49-59). Silver Spring, MD: American Music Therapy Association.
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- Schoonveld G, Cripe LD, **Burns DS**, et al. (2007). Evaluating the correlation of staff perceptions of collaboration and patient satisfaction on two medical services: malignant hematology and oncology patient population. Abstract. *Oncology Nursing Forum*, 34:518.
- Burns DS**, Haase JE, Robb SL, Phillips CR, Bell CJ (2006). Messages in the music: AYA and parent perspectives of the TMV intervention. Abstract. *Psycho-Oncology*, 15(2), S49.
- McCorkle K, Haase, JE, Robb SL, **Burns DS**, Hendricks-Ferguson, VL, Kintner, E, Roll L, Siarkowski-Amer, K (2006). A Description of Local IRB Variation and its Impact on the Start-up of a Multi-Site Behavioral Oncology Trial. Abstract. *Psycho-Oncology* (15) S1, 59-60.
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- Giesler RB, Champion VL, Monahan PO, **Burns DS**, Rawl SM, Reuille KM, Given CW, Given B. (2005). Improving the quality of life of prostate cancer patients: a randomized trial testing the efficacy of a nurse- driven intervention. *Cancer*, 104, 752-762.
- Haase, JE, **Burns DS**, Robb SL (2005). Evaluation of a music therapy intervention for adolescents/young adults undergoing stem cell transplant. Abstract. *Pediatric Blood & Cancer*, 45: 452. doi: 10.1002/pbc.20588
- Burns DS**, Maddux RB, Fuller, LA, Daggy J, Monahan PO. (2005). Cancer patients' interest and preferences for music therapy. *Journal of Music Therapy*, 42, 185-199.
- Edwards J & **Burns DS** (2005). Funding music therapy research. In B.L. Wheeler (Ed.). *Music Therapy Research. (2nd Ed.)*, (pp. 72-77) Gilsum, NH: Barcelona Publishers.
- Burns, DS** (2002). Guided Imagery and Music in the Treatment of Individuals with Chronic Illness. In K. Bruscia and D. Grocke (Eds.). *Guided Imagery and Music: The Bonny Method and Beyond* (pp. 173-186). Gilsum, NH: Barcelona Publishers.
- de l'Etoile S, Robb SL, Schunk, H, & **Burns DS** (2001). Future directions in music therapy: Towards a training model of clinical supervision. In **DS Burns** & K Harding (Eds.). *Contemporary practice and future trends in music therapy: A celebration of fifty years of music therapy at the University of Kansas* (pp. 52-61). Lawrence, KS: University of Kansas Printing Service.
- Burns DS** (2001). The effect of the Bonny Method of Guided Imagery and Music on the mood and life quality of cancer patients. *Journal of Music Therapy*, 38, 51-65.

GRANTS

Indiana SOR State Opioid Response (2023-2024, pending) *Music Therapy for Opioid or Stimulant Use Disorder pilot grant: Phase 2*, PI Burns, \$346,157.00

NIH/NCCIH U24 AT012602 (2023-2028) *Music mechanisms and technologies network: Integrative models to address pain through music*, PI Burns \$2,421,333.

Indiana SOR State Opioid Response 1H79TI085779-01 (2023) *Music Therapy for Opioid or Stimulant Use Disorder pilot planning grant: Phase 1*, PI Burns, \$103,284

Walther Program in Palliative Care Research and Education/IU Simon Cancer Center (2015-2017), PI *Music Therapy Practice Characteristics and Patient-Reported Outcomes* \$34,720.

IUPUI Center for Teaching and Learning Curriculum Enhancement Grant (2013-2014), Co-PI: Burns & Feldhaus "Mixed Methods Research in Technology and Health Graduate Certificate" \$15,000.

NIH/NCI R01 CA162181 (2011-2016) *Palliative Cancer Care: Music Video for AYA-Parent Communication and Resilience* Haase, J.E. & Robb, S.L. MPIs (Co-Investigator: Burns) \$3,053,568.

Mary Margaret Walther Program in Palliative Care Research and Education, IU Simon Cancer Center (2011- 2013) *Characterizing music therapy use during for-profit hospice care*, PI: Burns \$25,000.

Arthur Flagler Fultz Award/American Music Therapy Association (2009-2013) *Listening and locating: Understanding the benefits of music imagery experiences during chemotherapy infusion*. (Co-PI: Burns & Meadows) \$10,000.

NIH/NCI R01 CA132927 (2008-2012) *Breathe-Intervention for Hot Flashes, Interference, and Associated Outcomes* PI: Carpenter (Co-Investigator: Burns) \$1,252,996.

Mary Margaret Walther Program for Cancer Care, Walther Cancer Institute (2007-2009). The effects of adjuvant chemotherapy on music perception in breast cancer patients with and without cognitive dysfunction. PI: Burns \$30,000.

NIH/NINR/NCI (2005-2011) R01 NR008583 *Music Video and Adolescent Resilience During Transplant* PI: Haase (Co-Investigator: Burns) \$2,048,045.

Research Consultant

TriService Nursing Research Program (2016-2019). The BEST Study: The Efficacy of Brain Entrainment Sleep Technology in Military Healthcare Beneficiaries PI: Gantt – PI (Ft. Bragg).

NIH/OD/NIMH R25MH104660 (2014-2017). *Mixed Methods Research Training Program for the Health Sciences* PI: Gallo (Johns Hopkins).

Kulas Foundation (2014-2015) *Developing a music therapy intervention to manage compassion fatigue in professional caregivers*. PI: Schroth (Malachi House).

TriService Nursing Research Program Novice Investigator Award (2012-2015). *Using binaural beat technology to enhance post deployment wellness for warriors* PI: Gantt (Ft. Belvoir).

CONFERENCE PRESENTATIONS

Burns, DS (December 2023). *Novel Technologies to Explore Mechanisms and Optimize Music-Based Intervention Pain Research*. Invited Speaker. Music and Medicine: The Science and Clinical Practice, December 14-15, 2023. Bethesda, MD.

Burns, DS (November 2017). *Arts in Medicine: Music Therapy in Cancer Care*. Invited Plenary Speaker. Society for Integrative Oncology's 14th International Conference, November 12-14, 2017. Chicago, IL.

†Yurkovich, J. & **Burns, DS** (April 2016). *Entrained Music Therapy and Heart Rate of Infants in the Cardiac ICU*. Concurrent session for the Great Lake Region of the American Music Therapy Association annual conference. April 14-16, Indianapolis, IN.

Burns DS, Robb SL, Meadows AN, & Bradt J. (November 2014). *AMTA Research Committee Presents: Music Therapy Research Concept Development: Parts I and II*. 2014 Annual Conference of the American Music Therapy Association, Louisville, KY.

Robb, SL & **Burns, DS** (June 2014). *From Conceptualization to Efficacy: Journey to and Through the SMART Trial*. 3rd International Conference of the International Association for Music and Medicine, Toronto, CA.

Burns, DS (June 2014). *Integrating music therapy into healthcare: Intangible and measurable benefits*. Invited presentation for Sciencetech Club. Indianapolis, IN

Burns, DS (April 2014). *Gaining perspective and momentum: The value of team science*. Invited concurrent session for the Mid-Atlantic Region of the American Music Therapy Association annual conference April 10-12, Buffalo, NY.

Burns, DS (April 2014) Music Therapy and adult oncology throughout the disease trajectory: Current research and future directions. *Music therapy research in oncology: Therapeutic outcomes, mechanisms, and directions for future research*. American Music Therapy Association and the National Cancer Institute/National Institutes of Health, Bethesda, MD.

Burns, DS (April 2014). *Carrying out a music therapy program of research: From pilot to RCT*. Invited concurrent session for the Mid-Atlantic Region of the American Music Therapy Association annual conference April 10-12, Buffalo, NY.

Burns, DS (April 2014). *Writing grant applications for music therapy research*. Invited 5-hour Continuing Music Therapy Education for the Midwest Regional of the American Music Therapy Association annual conference. April 4, 2014.

†Krater C, Smith B, **Burns DS** (November 2014). *Collaboration in Music Technology & Music Therapy*. 2014 Annual Conference of the American Music Therapy Association, Louisville, KY.

Robb, SL, **Burns, DS**, Haase, JE et al. (November 2014) *Research Committee Presents: The SMART Trial: Findings, Practice Implications, and Clinician Perspectives*. Invited Concurrent Session. 2014 Annual Conference of the American Music Therapy Association, Louisville, KY.

Burns, DS (January 2014). *Hospice Music Therapy – Characterizing Referral Trends and Current Practice within an Academic/Industry Partnership*. 2014 Converging Disciplines at the Crossroads of Cancer Care Symposium, Beth Israel Medical Center, New York, NY.

Burns, DS & Babchuk, W. (May 2013). *Developing and indigenous theory of music therapy in hospice: A grounded theory study*. 9th International Congress of Qualitative Inquiry, Urbana-Champaign, IL.

Burns, DS (May 2013). *Reverse translation – understanding current music therapy clinical practice and hospice outcomes through mixed methods research*. Mixed Methods Day. 9th International Congress of Qualitative Inquiry. Urbana-Champaign, IL.

†**Burns DS**, Perkins SM, Tyson II AB, Bergeson TR, Saykin AJ, McDonald BC, Unverzagt FW, Champion VL (October 2012). *Differential relationships between music perception and cognitive domains in breast cancer survivors and healthy controls*. Poster presentation for the 2012 Annual Conference of the American Music Therapy Association, St. Charles, IL.

Burns, DS & Robb, SL (October 2012). *Theory-based research and clinically relevant practice knowledge: Are we falling short?* 2012 Annual Conference of the American Music Therapy Association, St. Charles, IL.

Bradt, J & **Burns, DS** (October 2012). Music therapy in research in hospice. In R. E. Hilliard, N. Wlodarczyk, I. DiMaio (Co-Chairs). *Hospice music therapy: Current Trends in Practice*. Pre-conference Institute. 2012 Annual Conference of the American Music Therapy Association, St. Charles, IL.

Carpenter JS, **Burns DS**, Ryker K, Wu J, Yu M, Tallman E, & Von Ha D (September 2012). *Treatment fidelity monitoring: Strategies and data*. Council for the Advancement of Nursing Science State of the Science Congress on Nursing Research, Washington DC.

- Robb SL, **Burns DS**, Stegenga, KS, Haut, P, Stump, T, Monahan, P, Haase, JE (November 2011). *Efficacy of a Therapeutic Music Video Intervention on Resilience in Illness Outcomes for Adolescent/Young Adults undergoing Stem Cell Transplant*. Invited Presentation for Indiana University Cancer Control, IU Simon Cancer Center, Indianapolis, IN.
- Burns DS** & Meadows AN (November 2011). *AMTA Research Committee Presents: Integrating Perspectives to Enhance Research and Clinical Practice*. Invited Concurrent Session. 2011 Annual Conference of the American Music Therapy Association, Atlanta, GA.
- Burns DS** (September 2011). *Music: Ubiquitous and pervasive but is it therapeutic?* Invited presentation. Western Michigan University Medical Humanities Workgroup Conference. Kalamazoo, MI.
- Burns DS**, Loewy JV, Lane D. (July 2011). *Music Therapy in Medicine*. 1st Annual Music Therapy Association of Singapore Conference. Singapore.
- Magill L, O'Callaghan C. **Burns DS** et al. (July 2011). *Music Therapy and Oncology*. 8th World Congress in Music Therapy, Pre-Congress Seminar. Seoul, South Korea.
- Carpenter JS, **Burns DS**, Schneider BP et al. (February 2011). *Breathe-intervention for hot flashes, interferences, and associated outcomes*. 11th National Conference on Cancer Nursing Research, Los Angeles, CA.
- Burns DS** & Else BA (November 2010). *Making research relevant in music therapy practice and advocacy*. 6-hour CMTE Institute. 2010 Annual Conference of the American Music Therapy Association, Cleveland, OH.
- †Mauskopf PM, Drews MR, & **Burns DS** (November 2010). *AMTA Technology Committee Presents: Interactive music technology to break down therapeutic barriers*. Concurrent Session. 2010 Annual Conference of the American Music Therapy Association, Cleveland, OH
- Burns DS** & Colwell CM (November 2009). *Research Committee Presents: To Consent or Not to Consent: When am I doing research and what does that mean?* Concurrent Session. 2009 Annual Conference of the American Music Therapy Association, San Diego, CA.
- Burns DS**, Haase JE, & Robb SL (November 2008). *Worldviews, Research, and Clinical Practice*. 5 hour Continuing Music Therapy Education. 10th Annual American Music Therapy Association National Conference, St. Louis, MO.
- Kay LD, **Burns DS**, Keith DR, Lee CS, Richardson TG, Vega VP (November 2007). *On-line and distance learning in music therapy education: Undergraduate and graduate perspectives*. Concurrent Session. 9th Annual American Music Therapy Association National Conference, Louisville, KY.
- Burns DS** (March 2007). *Writing proposals for research funding*. 5-hour Continuing Music Therapy Education Workshop. AMTA Great Lakes Regional Conference, Independence, OH.

NONACADEMIC PRESS

- Caudill E & **Burns DS** (2018). "Composing a New Normal: Exploring Music Therapy during Cancer Care." *Coping® with Cancer* magazine, Media America, Inc. Franklin, TN
- Burns DS** (2014). "Music therapy for cancer survivors: During and after treatment." *Coping® with Cancer* magazine, Media America, Inc. Franklin, TN
- Burns DS** (2014). "Music interventions for pain." National Cancer Institute: PDQ® Pain. Bethesda, MD: National Cancer Institute. Date last modified 09/03/2014. Available at: <http://cancer.gov/cancertopics/pdq/supportivecare/pain/HealthProfessional>. Accessed April 24, 2015.
- Burns DS** (2013). "Voices from the Industry: Music therapy hits the high notes." *Indianapolis Business Journal*. October 5, 2013.
- Burns DS** & Carpenter JS (2012). Paced respiration for hot flashes? *The Female Patient*, 37 (July/August), 38- 45.

TEACHING (Last 3 years):

MUS-L 419, RESEARCH METHODS IN MUSIC THERAPY
 MUS-N 518, ARTS TECHNOLOGY MAJOR PROJECTS
 MUS-N 521, RESEARCH METHODS IN MUSIC & MULTIMEDIA
 MUS-N 530, PHILOSOPHY AND THEORY IN MUSIC THERAPY
 MUS-N 531, QUANTITATIVE/QUALITATIVE RESEARCH IN MUSIC THERAPY
 MUS-N 532, MUSIC IN MEDICINE
 MUS-N 600, THESIS IN MUSIC THERAPY
 OLS 53010, MIXED METHODS RESEARCH

MENTORING:

Individual	Role	Inclusive Dates
Emma Underhill (BS Music Therapy)	1RIP Mentor	2023-2024
Morgan Wegs (BS Forensic Science)	1RIP Mentor	2023-2024
Julia Jessen (BA Psychology)	1RIP Mentor	2023-2024
S. J. Stuckenschneider (BS Music Therapy)	Research Mentor	2023-2024
Anna Barrett (BS Psychology)	1RIP Mentor	2023-2024
Jocelyn Summers (BS Elementary Education)	1RIP Mentor	2023-2024
Caitlin Krater, MS, MT-BC	Doctoral Advisor	1/2023-present
Lauren Byrne, Johns Hopkins Bloomberg School of Public Health	Dissertation Committee Member	6/2022-present
John Osorio, Luddy School of Informatics and Computing, IU Bloomington	Doctoral Minor Advisor	12/2021-present
Alan Tyson, PhD	Dissertation Chair	8/2018 - 12/2022
Shelley White, MSW, School of Nursing, U of Utah	Dissertation Committee Member	8/2018 - 2/2022
Dr. Meganne Masko, PhD, MT-BC, IUPUI	NIH R 25 Secondary Mentor	5/2016 - 4/2017
Dr. Joke Bradt, PhD, MT-BC, Drexel U.	NIH R 25 Secondary Mentor	5/2015 - 4/2016
Dr. Connie Justice, DrSc, Capitol U.	Dissertation Committee Member	1/2015 - 5/2015
Caitlin Krater, MS, MT-BC	Advisor/Thesis Chair	8/2013 - 2016
Ryan Carroll, MS, MT-BC	Advisor/Thesis Chair	8/2012 - 2016
Jennifer Zink Yurkovich, MS, MT-BC	Advisor/Thesis Chair	8/2012 - 2017
Kellie Schallert, MS, MT-BC	Advisor/Thesis Chair	8/2012 - 5/2015
Katherine Myers-Coffman, MS, MT-BC	Advisor/Thesis Chair	8/2012 - 8/2014
Xiaodi Liu, MS	Advisor/Thesis Chair	8/2012 - 5/2014
Shu Ting Yang, MS, MT-BC	Advisor/Thesis Chair	5/2011 - 5/2014
Lim Sophia Han, MS	Advisor/Thesis Chair	8/2010 - 6/2013
Meire Palmer, MS, MT-BC	Advisor/Thesis Committee Member	8/2009 - 5/2011
Philip Mauskapf, MS, MT-BC	Advisor/Thesis Chair	8/2009 - 5/2011
Alan Tyson, MS	Mentor – McNair's Scholars Prog	5/2011 - 8/2011

SELECTED INSTITUTIONAL/COMMITTEE SERVICE**As Department Chair:***Campus*

Faculty Council Academic Affairs Committee (present)
 Vision 2024 – Academic Affairs Issues Task Force (2022-2023)
 Promotion and Tenure Committee (2020-2023, Chair 2022-2023)
 Faculty Council Budgetary Affairs Committee (2016-2017)

School of Engineering and Technology

Co-Chair, Diversity, Equity, and Inclusion Task Force: Indicator I School Viability and Vitality
 Graduate Education Committee (2018-present)
 Chairs, Associate Deans, and Dean Committee (2014-present)
 Chairs, Directors, and Deans Committee (2014-present)
 Member, Search and Screen Committee for:

Chair, Department of Engineering and Technology
 Chair, Department Computer Information and Graphics Technology
 Chair, Department of Biomedical Engineering and Thomas J. Linnemeier Guidant Foundation Chair

As Faculty:

Campus

Core Faculty, Research in Palliative & End of Life Communication and Training (RESPECT) Center (2009-2022)

Member, Mary Margaret Walther Program/Behavioral Oncology Cooperative Group (BCOG) (2009-2017)

Member, Indiana University Simon Cancer Center (2009-2017)

Member at Large, Faculty Council (2008-2010)

Herron School of Art and Design

Dean's Leadership Team (2024)

School of Engineering and Technology

Chair, Faculty Affairs Committee (2010-2012)

Member, Faculty Senate (2008-2011)

Member, Academic Assessment Committee (2008-2009)

Department of Music and Arts Technology

Member, Promotion and Tenure Review Primary Committee (2011-2013)

Member, Graduate Faculty Search Committee (2007)

Coordinator, Music Therapy Program (2006-2017)

Member, Faculty Council (2005-2016)

Member, Instructional Policy Committee (2005-2016)

PROFESSIONAL SERVICE:

Reviewer, Special Emphasis Panel (ZAT1 BH (01) Exploratory Clinical Trials of Mind and Body Interventions (MB), National Center for Complementary & Integrated Health, NIH (2023)

Reviewer, Special Emphasis Panel (MS 01 1) Promoting Research on Music and Health: Phased Innovation Award for Music Interventions, National Center for Complementary & Integrated Health, NIH (2023)

Reviewer, Special Emphasis Panel (ZAT1 – (04) Research Across Complementary and Integrative Health Institutions (REACH) Virtual Research Centers (U24 Clinical Trial Not Allowed), National Center for Complementary & Integrative Health, NIH (2023)

Reviewer, Special Emphasis Panel (ZAT1 SUP (06) 2) Exploratory Clinical Trials of Mind and Body Interventions (MB), National Center for Complementary and Integrative Health, NIH (2023)

Reviewer, Special Emphasis Panel (ZAT1 SUP (06) Exploratory Clinical Trials of Mind and Body Interventions, National Center for Complementary & Integrative Health, NIH (2022)

Reviewer, Special Emphasis Panel (ZAT1 SH-(05) Promoting Research on Music and Health: Phased Innovation Award for Music Interventions (R61/R33 Clinical Trial Optional) National Center for Complementary & Integrative Health, NIH (2022)

Reviewer, Special Emphasis Panel (ZAT1 PJ) Exploratory Clinical Trials of Mind and Body Interventions, National Center for Complementary & Integrative Health, NIH (2021)

Reviewer, Journal Article, *Journal of Pain Research* (2021)

Reviewer, Special Emphasis Panel (ZAT1 SM-(60) Promoting Research on Music and Health: Phased Innovation Award for Music Interventions (R61/R33 Clinical Trial Optional) National Center for Complementary & Integrative Health, NIH (2021)

Reviewer, Proposal Review Panel, Veterans Affairs (2020)

Reviewer, Grant Proposal, FLDOH Ed and Ethel Moore Alzheimer's Disease Research Program 20-21 Panel 1 111820 (2020)

Reviewer, Journal Article, *Journal of Alternative and Complementary Therapies* (2018)

Reviewer, Journal Article, *Journal of Music Therapy* (2017)

Reviewer, Journal Article, *Arts in Psychotherapy* (2017)

Reviewer, Journal Article, *Supportive Care in Cancer* (2017)

Reviewer, Journal Article, *Psycho-Oncology* (2017)
Regional Vice Chair, National Association for Schools of Music (2016-2020)
Chair, Research Committee, American Music Therapy Association (2011-2016)
Local Biennial Conference Co-Chair, Society for Music Perception and Cognition (2009)

PROFESSIONAL MEMBERSHIPS:

Member, American Music Therapy Association (AMTA) (1991-present)
Member, College Music Society (2018, 2023-present)
Member, Children's Oncology Group (COG) (2006-2016)

5. Tenure and Promotion of Faculty

For Approval

Presented by David Russomanno

The University of Memphis Board of Trustees

Recommendation for Approval

Date: June 5, 2024

Committee: Academic and Student Affairs Committee

Presentation: Tenure and Promotion of Faculty (Recommendation for Approval)

Presented by: Dr. David Russomanno, Executive Vice President for Academic Affairs and Provost

Background:

Tenure is the principle that entitles a faculty member continuation of his or her annual appointment until relinquishment or forfeiture of tenure, or until termination of tenure for adequate cause. A healthy tradition of academic freedom and awarding tenure and promotion are uniquely fundamental to the academy and essential to the proper functioning of a university. Faculty members eligible for tenure must serve a probationary period and must demonstrate continuing value to the institution.

Tenure and promotion are granted only by positive action by the Board of Trustees to faculty members in a department, school, or college of the University of Memphis. The list of faculty members recommended for tenure and promotion is attached.

Recommendation:

The Academic and Student Affairs Committee recommends that the Board approve and grant tenure and promotion to the faculty members recommended by the provost in the department, school or college of the University indicated in the meeting materials.

NOTE: 24 faculty members recommended for Tenure and Promotion this year.

The University of Memphis

2024 Tenure and Promotion Recommendations

	Faculty Name	Current Rank	Proposed Rank	Tenure and Promotion
Cecil C Humphreys School of Law				
	Kathryn Ramsey Mason	Assistant Professor	Associate Professor	X
College of Arts & Sciences				
Anthropology	Lindsey Feldman	Assistant Professor	Associate Professor	X
Biological Sciences	James Adelman	Assistant Professor	Associate Professor	X
Biological Sciences	Emily Puckett	Assistant Professor	Associate Professor	X
Center for Earthquake Research and Information (CERI)	Thomas Goebel	Assistant Professor	Associate Professor	X
Computer Science	Myounggyu Won	Assistant Professor	Associate Professor	X
Computer Science	Kan Yang	Assistant Professor	Associate Professor	X
Computer Science	Xiaofei Zhang	Assistant Professor	Associate Professor	X
Physics and Materials Science	Francisco Muller Sanchez	Assistant Professor	Associate Professor	X
Sociology	Laybourn Sunah	Assistant Professor	Associate Professor	X
College of Communication and Fine Arts				
Art and Design	Sarah (Kate) Roberts	Assistant Professor	Associate Professor	X
Rudi E. Scheidt School of Music	Sam Shoup	Assistant Professor	Associate Professor	X
College of Education				
Instruction and Curriculum Leadership	Diana Delgado	Assistant Professor	Associate Professor	X
Leadership	Edith Gnanadass	Assistant Professor	Associate Professor	X
College of Health Sciences				
	Yufeng Zhang	Assistant Professor	Associate Professor	X
Fogelman College of Business & Economics				
Crews School of Accountancy	Katherine Sorensen	Assistant Professor	Associate Professor	X
Finance, Insurance and Real Estate	Jeff Black	Assistant Professor	Associate Professor	X
Management	Jihae You	Assistant Professor	Associate Professor	X
Management Information Systems	Srikar Velichety	Assistant Professor	Associate Professor	X
Herff College of Engineering				
Biomedical Engineering	Aaryani Tipirneni-Sajja	Assistant Professor	Associate Professor	
School of Communication Sciences & Disorders				
	Naomi Eichorn	Assistant Professor	Associate Professor	X
	Jani Johnson	Assistant Professor	Associate Professor	X
University Libraries				
	Caitlin Harrington	Assistant Professor	Associate Professor	X
	Joel Roberts	Assistant Professor	Associate Professor	X

Total of 24 faculty recommended for tenure and promotion

6. Promotion of Faculty

Presentation

Presented by David Russomanno

The University of Memphis Board of Trustees

Information

Date: June 5, 2024

Committee: Academic and Student Affairs Committee

Presentation: Promotion of Faculty (information)

Presented by: Dr. David Russomanno, Executive Vice President for Academic Affairs and Provost

Background:

Faculty promotion serves as recognition of excellence. Faculty who serve in tenured, clinical, research, teaching, and practice tracks are eligible to apply for promotion after five years in rank (or upon approved timeline adjustments). Promotion is an important component of retaining high quality faculty that provide the essential instruction, scholarship and service that are fundamental to the academy and essential to the proper functioning of a university.

NOTE: 43 faculty were promoted this year.

The University of Memphis

2024 Promotions

	Faculty Name	Current Rank	Proposed Rank	Promotion
Cecil C Humphreys School of Law				
	Jennifer Brobst	Assistant Professor	Associate Professor	X
College of Arts & Sciences				
Anthropology	John Gilmore	Assistant Professor of Teaching Coordinator	Associate Professor of Teaching Coordinator	X
Anthropology	Kenneth Latta	Assistant Professor of Teaching Coordinator	Associate Professor of Teaching Coordinator	X
Biological Sciences	Jennifer Mandel	Associate Professor	Professor	X
Center for Earthquake Research and Information	Eunseo Choi	Associate Professor	Professor	X
Center for Earthquake Research and Information	Mitch Withers	Research Associate Professor	Research Professor	X
Earth Sciences	Angela Antipova	Associate Professor	Professor	X
English	Rebecca Adams	Associate Professor	Professor	X
English	William Duffy	Associate Professor	Professor	X
Mathematical Sciences	David Gryniewicz	Associate Professor	Professor	X
Philosophy	Kevin Taylor	Assistant Professor of Teaching Coordinator	Associate Professor of Teaching Coordinator	X
Psychology	Deranda Lester	Research Assistant Professor	Research Associate Professor	X
Psychology	Joah Williams	Assistant Professor	Associate Professor	X
School of Social Work	Katie Norwood	Clinical Assistant Professor	Clinical Associate Professor	X
School of Social Work	Margaret Landry	Clinical Assistant Professor	Clinical Associate Professor	X
Sociology	Giovanni Dortch	Assistant Professor of Teaching	Associate Professor of Teaching	X
World Languages and Literatures	Shinobu Watanabe	Assistant Professor of Teaching	Associate Professor of Teaching	X
College of Communication and Fine Arts				
Art and Design	Michael Schmidt	Associate Professor	Professor	X
Journalism and Strategic Media	Michael Robinson	Assistant Professor of Teaching	Associate Professor of Teaching	X
Rudi E. Scheidt School of Music	Martin McCain	Assistant Professor	Associate Professor	X
Theatre & Dance	John Yorke	Assistant Professor of Teaching	Associate Professor of Teaching	X
College of Education				
Center for Research in Educational Policy	Carolyn Kaldon	Research Associate Professor	Research Professor	X
Instruction and Curriculum Leadership	Keishana Barnes	Assistant Professor of Teaching	Associate Professor of Teaching	X
Instruction and Curriculum Leadership	Jennifer Bubrig	Clinical Assistant Professor	Clinical Associate Professor	X
Instruction and Curriculum Leadership	Logan Caldwell	Clinical Assistant Professor	Clinical Associate Professor	X
Instruction and Curriculum Leadership	Torre Kelley	Clinical Assistant Professor	Clinical Associate Professor	X
College of Health Sciences				
	Lucas Baumgartner	Assistant Professor of Teaching	Associate Professor of Teaching	X
	Shirley Brown	Clinical Assistant Professor	Clinical Associate Professor	X
	Shemeka Hamlin-Palmer	Clinical Assistant Professor	Clinical Associate Professor	X
	Cheri Kilmurray	Assistant Professor of Teaching	Associate Professor of Teaching	X
	Anna Langston	Assistant Professor of Teaching	Associate Professor of Teaching	X
	Todd Layne	Associate Professor	Professor	X
	Maxime Paquette	Associate Professor	Professor	X
	Chidambaram Ramanathan	Research Assistant Professor	Research Associate Professor	X
	Angela Wallick	Assistant Professor of Teaching	Associate Professor of Teaching	X
College of Professional and Liberal Studies				
	Lorraine Meiners-Lovel	Assistant Professor of Teaching Coordinator	Associate Professor of Teaching Coordinator	X
Herff College of Engineering				
Electrical and Computer Engineering	Mohd Hasan Ali	Associate Professor	Professor	X
Kemmons Wilson School of Hospitality & Resort Management				
	Crystal Beamon	Assistant Professor of Teaching	Associate Professor of Teaching	X
	Timothy Flohr	Assistant Professor of Teaching	Associate Professor of Teaching	X
Loewenberg College of Nursing				
	Elizabeth Moore	Clinical Assistant Professor	Clinical Associate Professor	X
	Linda Billings	Clinical Associate Professor	Clinical Professor	X
School of Public Health				
	Mark Hendricks	Assistant Professor of Teaching	Associate Professor of Teaching	X
University Libraries				
	Gerald Chaudron	Associate Professor	Professor	X

Total of 43 faculty promoted

**7. Off-Campus Instructional Site Located
Out-of-State: AirVenture Flight Center,
Olive Branch, MS.**

For Approval

Presented by David Russomanno

The University of Memphis Board of Trustees

Recommendation for Approval

Date: June 5, 2024

Committee: Academic and Student Affairs Committee

Presentation: Off Campus Instructional Site: Air Venture Flight Center -Olive Branch, MS

Presented by: Dr. David Russomanno, Executive Vice President for Academic Affairs and Provost

Background:

Pursuant to Tennessee Code Annotated 49 -7-202 (q)(3), higher education institutions in the State must file, through their governing board, a notice of intent to initiate course offerings in locations out-of-state to the Tennessee Higher Education Commission

The flight training component of the BS Commercial Aviation in the College of Professional and Liberal Studies (CPLS) is currently offered at one location, CTI -Millington Airport. CPLS is proposing a second location for flight training, Air Venture Flight Center in Olive Branch, Mississippi. This second location may result in increased enrollment in the program at no additional cost.

Recommendation:

The Academic & Student Affairs Committee recommends a motion to pursue an off-campus instructional site at Air Venture Flight Center in Olive Branch, MS.

University of Memphis
Academic & Student Affairs Committee
June 5, 2024

Per Tennessee Code Annotated 49-7-202 (q)(3) (TCA), THEC shall review and approval or disapprove all proposals for by any existing higher education institution to establish a physical presence at any location other than its main campus or to extend an existing location that will be utilized for administrative purposes or to offer courses for which academic credit is offered. When the off-campus site is **out of state**, the higher education institution must, through its governing board (BOT), file with the commission a notice of intent to initiate out of state instructional activity prior to the development of the proposal.

The College of Professional and Liberal Studies (CPLS) is requesting THEC approval of a code for a new, second off campus site location (Olive Branch, MS) for flight training courses, offered by Air Venture Flight Center in partnership with the University, in the CPLS BS Commercial Aviation program. This site will require no additional operational costs for the program and offers a second flight training location that could have a positive impact on student interest and enrollment.

8. Revision to BOT Policy on Tenure and Academic Freedom

For Approval

Presented by Jeffrey Marchetta

The University of Memphis Board of Trustees

Recommendation

For Approval

Date: June 5, 2024

Committee: Academic and Student Affairs

Presentation: Revision to Board Policy on Tenure and Academic Freedom

Presented by: Dr. David Russomanno, Executive Vice President for Academic Affairs and Provost
Dr. Jeff Marchetta, Professor, Faculty Trustee

Background:

The Board of Trustees is authorized by Tennessee Code Annotated § 49-8-301 to promulgate a tenure policy or policies which shall ensure academic freedom and provide sufficient professional security to attract the best quality faculty available for the institution. Revisions to the Board Policy on Tenure and Academic Freedom reflect the following revisions proposed for the 2024-25 Faculty Handbook. Revisions to Faculty Handbook Section 4.9.7 Tenure and Promotion Review include a provision that gives the provost authority to provide exceptions to the Tenure and Promotion timelines for extraordinary circumstances. In addition, in accordance with best practices observed at other institutions, the tenure and promotion process has been revised to allow candidates to provide a rebuttal and request reconsideration at each level of review up to the review by the provost. The reconsideration process will give the candidate an opportunity to provide additional context to information presented in the dossier and to minimize oversights in the review of candidate's dossier. The candidate will also be granted access to view their dossier and the reviews at each level to improve process transparency. Following a legal review, Faculty Handbook Section 4.10.1A Relinquishment of Tenure is revised to better align with the provisions of Tennessee Code Annotated § 49-8-303. Sections 4.10.2A and 4.10.2B are revised to remove option for post-termination hearing under the provisions of UAPA which is not required under Tennessee Code Annotated § 49-8-303. All tenured faculty members being considered for termination for adequate cause due to unsatisfactory performance and/or misconduct will be afforded a hearing before a tribunal.

Committee Recommendation

The Academic and Student Affairs Committee recommends that the Board approve revisions to the Board Policy on Tenure and Academic Freedom, as outlined in the meeting materials, to align with the updates to the 2024-25 Faculty Handbook.

Purpose

The Board of Trustees is authorized by Tennessee Code Annotated § 49-8-301 to promulgate a tenure policy or policies which shall ensure academic freedom and provide sufficient professional security to attract the best quality faculty available for the institution. Pursuant to this authority, the board defines the nature of tenure and institutions and the rights and responsibilities of faculty in this policy. In the event of any conflict or inconsistency between this board policy and the Faculty Handbook, this board policy will apply.

1. ACADEMIC FREEDOM

Academic freedom is essential to fulfill the ultimate objectives of an educational university/college – the free search for and exposition of truth – and applies to participation in shared governance as well as teaching and research. Freedom in research is fundamental to the advancement of truth, and academic freedom in teaching is fundamental for the protection of the rights of the faculty member in teaching and of the student to freedom in learning. Freedom in shared governance is fundamental to the development and maintenance of effective academic policies, national and regional accreditation, and shared responsibility for the redelivery of educational products and services to students.

Implicit in the principle of academic freedom are the corollary responsibilities of the faculty who enjoy that freedom. Incompetence, indolence, intellectual dishonesty, failure to carry out assigned duties, serious moral dereliction, arbitrary and capricious disregard of standards of professional conduct as well as other grounds as set forth in applicable law or policy may constitute adequate cause for dismissal or other disciplinary sanctions against faculty members.

The right to academic freedom imposes upon the faculty an equal obligation to take appropriate professional action against faculty members who are unable or unwilling to discharge their professional responsibilities. The faculty member has an obligation to participate in tenure and promotion review of colleagues as specified in university policy. Thus, academic freedom and academic responsibility are interdependent, and academic tenure is adopted as a means to protect the former while promoting the latter. While academic tenure is essential for the protection of academic freedom, all faculty members, tenured or non-tenured, have an equal right to academic freedom and bear the same academic responsibilities implicit in that freedom.

Board policy recognizes the principle of academic freedom and accordingly states:

- Faculty members are entitled to freedom in the classroom in discussing materials relevant to the course.
- Faculty members are entitled to freedom in research and in the publication of the results, subject to adequate performance of their other academic duties; but all research, including research for pecuniary gain, must be performed in an ethical manner and in compliance with all applicable policies and standards in the field and must be based upon an understanding with the authorities of the university.
- Faculty members are citizens, members of a learned profession, and officers of an educational institution. Academic freedom includes the freedom to speak or write without institutional discipline or restraint on matters of public concern, as well as on matters related to professional

duties, and on matters involving the academic and administrative functioning of the educational institution. When faculty members speak or write as citizens, they should be free from institutional censorship or discipline, but their special position in the community imposes special obligations. As persons of learning and as educational officers, they should remember that the public may judge the profession and the university by their utterances. Hence, faculty members should at all times strive to be accurate, should exercise appropriate restraint, should show respect for the opinions of others, and should make every effort to indicate that they do not speak for the university.

2. TENURE

Tenure

Tenure appointments are appointments of full-time faculty who have been awarded tenure by the Board of Trustees upon recommendation of the president. Tenure appointments include the assurance of continued employment during the academic year, subject to the conditions described in the Faculty Handbook. Faculty members who hold a tenured appointment in a department or other academic unit, and then are transferred to another department or academic unit retain their tenure status. A faculty member cannot be compelled to relinquish tenure as a condition of the transfer.

An internal or external search is required for the appointment of all tenure-track and tenured faculty positions, except for the specific circumstances described in the Waiver of Search policy. The university policy and procedures for recruitment, application, and selection of faculty can be found on the **university website**. There are two types of appointments for tenured and tenure-track faculty: full-time academic year(nine-month) appointments and full-time 12-month appointments, typically applicable to some faculty holding administrative appointments.

Minimum Qualifications for Tenure

- Documented evidence of ability in instruction, service, and research.
- Documented evidence of high-quality professional productivity which is leading to national recognition in the academic discipline.
- Professional comportment consistent with the Faculty Code of Conduct

3. POST-TENURE REVIEW

Post-tenure Review is an expanded and in-depth performance evaluation conducted by a committee of tenured peers and administered by the provost. Procedures for conducting a Post-tenure Review are set forth in the Faculty Handbook.

This policy recognizes that the work of a faculty member is not neatly separated into academic or calendar years. To ensure that performance is evaluated in the context of ongoing work, the period of performance subject to Post-tenure Review is the five most recent Annual Performance Review cycles.

Post-tenure Review will be initiated by the provost according to Annual Performance metrics defined in the Faculty Handbook. Post-tenure review will follow procedures defined in the Faculty Handbook.

4. PROBATIONARY PERIOD

A tenure-track faculty member must serve a probationary period prior to being considered for tenure. Except as otherwise stated in the Faculty Handbook, the probationary period will be six years.

Before beginning the sixth (or final) probationary year, a faculty member with the rank of assistant professor or higher must make application for tenure. Absent an approved exception, application and all supporting documentation for tenure should be submitted before the sixth or final probationary year in accordance with the tenure and promotion calendar maintained by the provost. Candidates for tenure must meet eligibility requirements for promotion to associate professor or have already attained that rank. A tenure-track assistant professor recommended for tenure must also be recommended for promotion.

Tenure applications receive one of two responses: tenure may be granted; or tenure may be denied. Re-application for tenure is not possible and the seventh year, or other final year following application for tenure, will be terminal if tenure is denied.

A. TENURE UPON APPOINTMENT

No faculty member shall be granted tenure upon initial appointment except by positive action of the Board of Trustees upon the recommendation of the president. In exceptional cases, a distinguished faculty member, dean, provost, or president may be awarded tenure upon her or his initial appointment in accordance with the procedures described in the Faculty Handbook.

The Board of Trustees will only grant tenure upon initial appointment if the proposed appointee (1) holds tenure at another higher education institution and the Board determines that the president has documented that the proposed appointee cannot be successfully recruited to the university without being granted tenure upon initial appointment, and (2) will be appointed as an associate or full professor.

B. CREDIT FOR PRIOR SERVICE

Credit toward completion of the probationary period may be permitted for previous full-time service at other universities provided that the prior service is relevant to the needs and criteria of the university. All credit for prior service shall be approved by the provost upon the recommendations of the department chair and dean. Any credit for prior service that is approved must be confirmed in writing at the time of the initial appointment.

C. CREDIT FOR TRANSFER

If a faculty member serving a probationary period is transferred to another academic unit or department, time spent in the first appointment will count toward the probationary period unless a request from the faculty member to begin a new probationary period is approved in writing by the president.

5 CRITERIA FOR TENURE

Full-time, tenure-track faculty appointments at the academic rank of assistant professor, associate professor, or professor are eligible for tenure consideration. A faculty member appointed to an administrative position must attain or retain tenure in a particular unit, department, or approved center/institute. Faculty holding temporary appointments are not eligible for tenure.

Tenure is awarded after a thorough review, which culminates in the university acknowledging a reasonable presumption of the faculty member's professional excellence and the likelihood that this excellence will continue to contribute to the mission and anticipated needs of the academic unit in which tenure is granted.

Professional excellence is reflected in the faculty member's

- teaching (which includes advising and mentoring),
- research/scholarship/creative work (according to the terms of the candidate's appointment),
- service, and,
- professional comportment consistent with the Faculty Code of Conduct.

It is the responsibility of departments and academic units to define professional excellence in terms of their respective disciplines. Criteria for tenure and/or promotion shall be established by each department. These criteria may be more restrictive than the criteria of the academic unit and the university, but they must be consistent with those criteria. Criteria for tenure and/or promotion shall be established by the academic unit. These criteria may be more restrictive than the criteria of the university, but they must be consistent with those criteria. Criteria for the tenure and/or promotion shall be established by the university. Academic unit criteria for tenure and/or promotion shall become effective upon approval by the provost. Departmental criteria for tenure and/or promotion shall become effective upon approval by the dean and the provost.

In addition to the criteria for tenure and/or promotion stated in university, academic unit, and department guidelines, administrative criteria such as enrollment patterns and trends, curricular changes, program development, financial consideration, and rank distribution, are considered in tenure and/or promotion decisions. Therefore, a decision to deny tenure or deny promotion does not necessarily mean that a faculty member's work or conduct has been unsatisfactory.

6 CONDITIONS PRECEDENT TO THE AWARD OF TENURE BY THE BOARD OF TRUSTEES

All candidates applying for tenure and/or promotion are required to submit a dossier unless an exception is granted as specified in the Faculty Handbook Tenure Upon Appointment.

The dossier should reflect the faculty member's cumulative performance in satisfying the requirements for the award of tenure regarding teaching, research / scholarship / creative activity, and service. The

dossier contents are described in the Faculty Handbook. The dossier will be reviewed as described in the Faculty Handbook. Appeals of a negative tenure recommendation are described in the Faculty Handbook.

REVIEW AND RECOMMENDATION BY THE PRESIDENT:

After receiving recommendations from the provost and the Faculty Appeals Committee (if there was an appeal), the president makes final recommendations to the Board of Trustees and notifies the candidate, provost, dean, and department chair of this recommendation. In the case of a negative recommendation, the president will provide the candidate written reason(s) for the decision. The recommendation made by the president on tenure and/or promotion is not subject to an appeal.

ACTION BY THE BOARD OF TRUSTEES:

Only the Board of Trustees is authorized to grant tenure and/or promotion. The president will present a list of the positive recommendations for tenure and/or promotion for board approval. The board will notify the president of its decision and the president will provide the faculty member, provost, dean, and department chair written notice of the board's decision. For positive action by the Board of Trustees to grant tenure and/or promotion, the president shall give the faculty member written notice of the effective date of tenure and/or promotion.

7 TERMINATION OF TENURE

Grounds for Termination

A. RELINQUISHMENT OR FORFEITURE OF TENURE:

A tenured faculty member relinquishes tenure upon resignation or retirement from the university.

B. EXTRAORDINARY CIRCUMSTANCES:

Extraordinary circumstances warranting termination of tenure may involve financial exigency or program discontinuance.

1. In the case of financial exigency, tenured faculty may be terminated because of financial exigency at the university if the Board of Trustees declares such a condition. Personnel decisions (including those related to tenured faculty) resulting from a declaration of financial exigency at the university must comply with the procedures in this handbook and Board of Trustees policy.
2. In the case of program discontinuance, tenured faculty may be terminated if:

- a. A program, such as degree major, concentration, and/or other curricular component, is discontinued by formal action of the Board of Trustees.
- b. Student enrollment in a program has decreased over a period of at least three years at a rate which is considerably higher than that of the institution as a whole and/or in comparison with similar institutions as determined by the president.
- c. An approved center/institute with tenured faculty lines is dissolved by action of the president.

Procedures for termination due to extraordinary circumstances will follow procedures defined in the Faculty Handbook.

C. ADEQUATE CAUSE:

Adequate cause for terminating a tenured faculty member defined by Tennessee Code Annotated §49-8-302, means the following:

- 1. Incompetence or dishonesty in teaching or research
- 2. Willful failure to perform the duties and responsibilities for which the faculty member was employed; or refusal or continued failure to comply with the policies of the university, academic unit, or department; or to carry out specific assignments, when these policies or assignments are reasonable and nondiscriminatory
- 3. Conviction of a felony or a crime involving moral turpitude
- 4. Improper use of narcotics or intoxicants which substantially impairs fulfillment of departmental or institutional duties and responsibilities.
- 5. Capricious disregard of accepted standards of professional conduct.
- 6. Falsification of information on an employment application, curriculum vitae, or other information concerning qualifications for a position.
- 7. Failure to maintain the level of professional excellence and ability demonstrated by other members of the faculty in the department or division of the university.

Procedures for termination due to adequate cause will follow procedures defined in the Faculty Handbook.

Faculty Senate

Motion to Revise 2024-25 Faculty Handbook

Originator: Faculty Policies Committee

Whereas,

The Faculty Policies Committee has a standing charge to annually review and propose appropriate revisions to the Faculty Handbook; and

Whereas,

At the March 26, 2024, meeting of the Faculty Senate, the chair of the Faculty Policies Committee reported to the Faculty Senate on proposed revisions to the 2024-2025 Faculty Handbook; and

Whereas,

The Faculty Senate adopted on March 26, 2024, a proposed timeline for the review and approval of revisions to the 2024-2025 Faculty Handbook; and

Whereas,

The proposed revisions were available for review and comment by faculty during the period ending April 16, 2024; and

Whereas,

At the April 23, 2024, meeting of the Faculty Senate, the final version of the proposed revisions to the 2024-2025 Faculty Handbook were reported to the Faculty Senate; and

Whereas,

Pursuant to such timeline, the Faculty Senate shall vote on the revisions to the 2024-2025 Faculty Handbook at the April 30, 2024, meeting of the Faculty Senate.

Be it resolved that,

The Faculty Senate approves the revisions to the 2024-25 Faculty Handbook.

Recipients: Faculty Senate

David Russomanno, Provost

Helen Johnson, Office of the Provost

4/30/2024

Vote: 37 For, 0 Against, 0 Abstain

9. Additional Business

Presented by Jeffrey Marchetta

10. Adjournment

Presented by Jeffrey Marchetta