

MAHSA ADIB

Ph.D. Candidate in Landscape Architecture
College of Arts and Architecture, The Pennsylvania State University
Mva5844@psu.edu | (515) 817-3015

EDUCATION

Ph.D. Candidate, Architecture (Landscape Architecture Focus) | Expected Graduation: July 2025

The Pennsylvania State University

Master of Science, Landscape Architecture | 2021

The Pennsylvania State University

MLA, Landscape Architecture | 2019

Iowa State University (LAAB Accredited)

B.Sc., Environmental Engineering | 2015

Ferdowsi University of Mashad, Iran

HONORS AND AWARDS

2024 | Diversity and Inclusion Fellow, Stuckeman School, Penn State

2024 | Inaugural Access, Well-being, and Equity Ambassador, Stuckeman School, Penn State

2024 | Excellence Award for Service, Department of Landscape Architecture, Penn State

2024 | Student Scholarship, Chesapeake Community Research Symposium, Chesapeake Modeling Program

2024 | Sustainability Graduate Student Fellow, College of Arts and Architecture, Penn State

2024 | Nana Kirk Travel Scholarship Award, Environmental Design Research Association (EDRA)

2024,23,22,21,20 | Research Travel Scholarship, Penn State

2023 | Research Travel Scholarship, Chesapeake Stormwater Network

2022 | Alma Heinz and August Louis Pohland Graduate Fellowship, Penn State

2020 | Graduate Council Ad Hoc Committee on Diversity, Equity, and Inclusion Student Representative, Penn State

2019-2020 | Outstanding Teaching Assistant Award, Penn State

2019 | ASLA Iowa Chapter Student Merit Award, Iowa State University

2019 | Inaugural Mark Masteller Intern, Iowa State University

2019 | Landscape Architecture Foundation Olmsted Scholar, Iowa State University

2018 | ASLA Iowa Chapter Merit Award- "Bird Friendly Madrid," Iowa State University

2018-2019 | Jen Jensen Scholarship, Iowa State University

2018 | Research Travel Scholarship; Iowa State University

ACADEMIC EXPERIENCE

TEACHING | INSTRUCTOR

Design Studio 1 (LArch 115) | Undergraduate Studio

Department of Landscape Architecture, Penn State | Fall 2023-2024

Design, Design Thinking, and Creativity (AA 121) | Online Seminar

Department of Landscape Architecture, Penn State | Fall 2022-Spring 2023

Planting Design and Emergent Technologies | Undergraduate/Graduate Implementation Core Course

Department of Landscape Architecture, Iowa State University | Fall 2018

TEACHING | GRADUATE TEACHING ASSISTANT

Design, Design Thinking, and Creativity (AA 121) | Online Seminar

Department of Landscape Architecture, Penn State | Spring 2021- Spring 2022

Introductory Design Studio Skills Lab (LArch 155) | Undergraduate Studio

Department of Landscape Architecture, Penn State | Fall 2020

Design Studio 3; Understanding Place Design Studio (LArch 215/815) | Undergraduate/Graduate Studio

Department of Landscape Architecture, Penn State | Fall 2020

Site Materials (LArch 236/836) | Undergraduate/Graduate Implementation Core Course

Department of Landscape Architecture, Penn State | Spring 2020

Human Dimensions of the Design (LArch 375) | Undergraduate Seminar

Department of Landscape Architecture, Penn State | Spring 2020

Community Design Studio 4 (LArch 315/817) | Undergraduate/Graduate Studio

Department of Landscape Architecture, Penn State | Fall 2019

Ecology and Plants II (LArch 245) | Undergraduate Seminar

Department of Landscape Architecture, Penn State | Fall 2019

GRADUATE RESEARCH ASSISTANT

The Baltimore Social-Environmental Collaborative IFL (BSEC)

- Conducted case studies of community-based approaches to creating adaptive solutions for urban challenges
- Conducted systematic literature review of ethical considerations in citizen science
- Examined factors driving tree adoption behavior in Baltimore's Justice40 communities
- Helped develop a framework for participatory decision making and knowledge co-production
- Organized and moderated community participatory sessions focusing on topics related to urban heat, flooding, etc.
- Assisted community partners in preparing grant applications
- Helped organize citizen science programs for high school students to explore climate change impacts and develop data collection and analysis skills

In collaboration with scientists from eight universities, Baltimore communities, and local/governmental organizations
Spring 2022-Present

Barriers and Opportunities for a Just and Biodiverse Urban Forest: The Case of Pittsburgh, Pennsylvania

Department of Landscape Architecture, Penn State | Summer 2022

Manager perspectives on implementing prescribed fire in the mid-Atlantic region, U.S.A.

Opportunities and barriers for a just and biodiverse urban forest: the case of Pittsburgh, PA.

Department of Landscape Architecture, Penn State | Summer 2023

Documentation of the Landscape Architecture Foundation Case Study Investigation Program

Department of Landscape Architecture, Penn State | Summer 2020

Iowa's Living Roadways Community Visioning

Iowa State Extension and Outreach, Iowa State University | Summer 2016-2019

City Play, People, and Place

Department of Landscape Architecture, Iowa State University | Fall 2016-2017

PUBLICATIONS (J- Peer review Journal Articles; P- Proceeding Articles)

PUBLISHED

1. [J] Hashemi, F., & **Adib**, M. (2024). Examining Thermal Inequities: Land Surface Temperature, Social Vulnerability, and Historical Redlining in San Antonio, TX. *Urban Climate*, 55, 101960.
2. [J] Smithwick E., Wu H., Spangler K., **Adib**, M., Wang R, Dems C, Taylor AH, Kaye MW, Zipp K, Newman P, Miller ZD, Zhao A. (2024). Barriers and Opportunities for Implementing Prescribed Fire: Lessons from Managers in the Mid-Atlantic Region, United States. *Journal of Fire Ecology*.
3. [J] Wu, H., Hoffman, M., Wang, R., Kelley, K., **Adib**, M. (2024). Revealing Public Perceptions of Biodiverse vs Turf Swales: Balancing Enhanced Ecosystem Services with Heightened Concerns. *Journal of Water*.
4. [J] **Adib**, M., Wu, H., & Flohr, T. (2023). Professional Perceptions of Participatory Practices in Green Stormwater Infrastructure Development. *PLOS Water*, 2(3), e0000084.
5. [J] **Adib**, M., & Wu, H. (2020). Fostering Community-engaged Green Stormwater Infrastructure (GSI) through the Use of Participatory Geographic Information System (PGIS). *Journal of Digital Landscape Architecture*.

UNDER REVIEW

6. [P] **Adib**, M., Kizhakkemarakkattil Janardhanan, A., Tariq, T., Iulo, L, Wu, H., Azari, R. (Submitted 2024). Community-based Approaches to Creating Adaptive Solutions for Urban Challenges: Two Case Studies. Architectural Research Centers Consortium (ARCC). Aarhus, Denmark. Accepted.
7. [J] **Adib**, M., Wu, H., Cruz, Sh. (Submitted 2024). Exploring determinants of social psychological determinants of green stormwater infrastructure adoption. *Journal of Environmental Psychology*.
8. [J] **Adib**, M., Wu, H., Flohr, T. (Submitted 2024). A participatory approach through hybrid engagement; Professionals perception of hybrid urban water management. *Journal of Environmental Management*.

IN PROGRESS

9. [J] **Adib**, M., Wu, H., Flohr, T. The role of education in green stormwater infrastructure adoption: evaluating outreach and engagement strategies. To be submitted to the *Sustainable Cities and Society*.
10. [J] **Adib**, M., Wu, H. Avolio, M., Bader, M., Grove, M., Groffman, P., Zaitchik, B., Locke, D. Examining the socio-psychological predictors of tree-adoption behavior using the Theory of Planned Behavior: the case of Baltimore Justice40 communities. To be submitted to the *Sustainable Cities and Society*.
11. [J] Mirindi, D., **Adib**, M., Sanders, T., Iulo, L. "Engaging Citizen Scientists in Climate Action: Motivations, Impacts, and Ethical Considerations. To be submitted to the *Journal of Science Communication*.

CONFERENCE PRESENTATIONS/POSTERS

CONFERENCE PRESENTATIONS

1. **Adib**, M., Wu, H. (2025). "What Drives GSI Adoption? A Multilevel Analysis of Resident Behavior." 2025 World Environmental & Water Resources Congress. Anchorage, Alaska.
2. Wu, H., Hoffman, M., Wang, R., Kelley, K., **Adib**, M. (2025). "Revealing Public Perceptions of Biodiverse vs Turf Swales: Balancing Enhanced Ecosystem Services with Heightened Concerns". 2025 World Environmental & Water Resources Congress. Anchorage, Alaska.
3. **Adib**, M., Wu, H. (2024). "Do Knowledge and Experience Influence GSI Adoption? A Comparative Analysis of Three U.S. Cities". Council of Educators in Landscape Architecture (CELA) Annual Conference, St. Louis, MO.
4. **Adib**, M., Wu, H., (2024). "Exploring Determinants of Residents' Behavior in Green Stormwater Infrastructure Adoption: An Extension of the Theory of Planned Behavior". Environmental Design Research Association (EDRA) Annual Conference. Portland, OR.
5. **Adib**, M., Wu, H., (2024). "Investigating Influences on Public Involvement in Green Stormwater Solutions: A Theory of Planned Behavior Expansion". Villanova Urban Stormwater Partnership (VUSP). Villanova, PA.
6. Mirindi, D., **Adib**, M., Sanders, T., Iulo, L. (2024). "Engaging Citizen Scientists in Climate Action: Motivations, Impacts, and Ethical Considerations". Environmental Design Research Association (EDRA) Annual Conference. Portland, OR.

7. Mirindi, D., **Adib**, M., Sanders, T., Iulo, L. (2024). Empowering Urban Youth through BSEC's Community Science and Agriculture. North American Association for Environmental Education (NAAEE) Annual Conference. Pittsburgh, PA.
8. Flohr, T., **Adib**, M., Wu, H., Lindemann, J., Hoffman, M. (2024). "Opportunities and Barriers for a Just and Biodiverse Urban Forest: the case of Pittsburgh, PA." Council of Educators in Landscape Architecture (CELA) Annual Conference, St. Louis, MO.
9. **Adib**, M., & Wu, H. (2023). "Professional perceptions of participatory practices in green stormwater infrastructure development". 11th Biennial Bay-Wide Stormwater Partners' Retreat, National Conservation Training Center, Shepherdstown, WV.
11. **Adib**, M., Wu, H. (2023). "Environmental Education for Stormwater Stewardship". North American Association for Environmental Education (NAAEE) Annual Conference. Virtual.
12. **Adib**, M., Wu, H., & Flohr, T. L. (2022). "Participatory Practices for Green Stormwater Infrastructure Development," National Extension Energy Summit and Nation Sustainability Summit. National.
13. **Adib**, M., Wu, H. & Flohr, T. (2021). "Evaluating Community Engagement Mechanisms for Green Stormwater Infrastructure Development", CELA 2021 Annual Conference. Virtual.
14. **Adib**, M., & Wu, H. (2020). "Fostering Community-engaged Green Stormwater Infrastructure through the Use of Web-based Participatory Technologies," Digital Landscape Architecture (DLA) Conference.

POSTERS

1. Flohr, T., Garcia, L., Heris, M., Wu, H. **Adib**, M., Lindemann, J., Hoffman, M., Richardson, L. (2023). "Simulating Future Urban Forest Scenarios Impacts on Mitigating Mean Radiant Temperature." Poster Presented at the Fall 2023 Stuckman School Research Open House. The Pennsylvania State University, September 13, 2023.
2. Iulo, L., Wu, H., Azari, R., **Adib**, M., Tariq, T., Janardinhanan, A. (2023). "The Baltimore Social-Environmental Collaborative (BSEC). Poster Presented at the Fall 2023 Stuckman School Research Open House. The Pennsylvania State University. September 13. 2023.
3. **Adib**, M., Wu, H. (2023). "Environmental Education for Stormwater Stewardship." Poster Presented at the 2023 Penn State Graduate Exhibition. The Pennsylvania State University. March 24, 2023.
4. **Adib**, M., Wu, H. Flohr, T., (2022). Towards Community-engaged Green Stormwater Infrastructure: Methods Evaluation and Recommendations for Enhancements. Poster Presented at the 2022 National Extension Energy Summit + National sustainability Summit. The Pennsylvania State University.

GRANTS

AWARDED INTERNAL GRANTS (PARTICIPATED AS CO-PI)

2021-22 | Wu, H., **Adib**, M., Flohr, T. L., & Yench, A. "A Web App for Enhancing Knowledge Transfer and Science Communication in Community Engagement during Pandemic Time and Beyond". Hamer Center for Community Design, College of Arts and Architecture, Penn State. 2021-2022, Total Awarded: \$10,000.

OTHER FUNDED GRANTS (PARTICIPATED AS GRADUATE RESEARCH ASSISTANT)

2023-24 | Kirchhoff, Ch., Wu, H., Yench, A. "A Comprehensive Assessment of the Barriers and Drivers of GSI Adoption Centered on Ordinances in Small to Medium-sized Municipalities in Pennsylvania." (\$160,127) Pennsylvania Sea Grant, The Pennsylvania State University.

2022-24 | Zaitchik, B., Hunter, J., Welty, C., Davis, K., Ricciuto, D., Ling, J., McComas M., ..., Wu, H., McPhillips, L., Clark, S. E., "The Baltimore Social-Environmental Collaborative IFL," U.S. Department of Energy, Federal Agencies. (\$25,371,823). 2022-2027.

2023-24 | Flohr, Travis, Mehdi Heris, Hong Wu, Justine Lindemann, Margaret Hoffman, and Lilliard Richardson. "Simulating Future Urban Forest Scenarios Impacts on Mitigating Mean Radiant Temperature." (\$30,000). Penn State Institutes of Energy and The Environment (IEE) Seed Grant.

2022-24 | Smithwick, E. A. H., K. Y. Zipp, M. W. Kaye, A. Taylor, P. B. Newman, & Wu, H. (Co-PI). "Firescapes in the Mid-Atlantic: Mismatches between Social Perceptions and Prescribed fire use". (\$327,726). USDI Joint Fire Sciences Program. 2016-2019.

2021-22 | Sosa, L., Spangler, A. "Landscape Architectural Precedent, Drawing from Environmental Justice Activism". (\$5,000). Hamer Center for Community Design, College of Arts and Architecture, Penn State.

PROFESSIONAL EXPERIENCE

2016 - 2019 | Iowa State University Extension and Outreach; Iowa's Living Roadways Community Visioning
2018 | Landscape Architecture Intern, Bolton & Menk, Des Moines, Iowa.
2017 | Landscape Architecture Intern, Facilities Planning and Management Office, Iowa State University.

LEADERSHIP, SERVICE, VOLUNTEER ACTIVITIES

INVITED CRITIC/JURY

2024 | Systems Studio | Department of Landscape architecture, Penn State
2023-24 | Site Design Studio, Department of Landscape architecture, Penn State
2023 | Community Design Studio, Department of Landscape architecture, Penn State
2021-24 | Basic Design Studio 1&2, Department of Architecture, Penn State
2022 | Introductory Design Studio, Department of Landscape architecture, Penn State
2022 | Architectural Design IV, Department of Architecture, Penn State
2022 | Architectural Design III, Department of Architecture, Penn State
2021-23 | City Matters Studio, Iowa State University

JOURNAL ARTICLE/CONFERENCE PROCEEDING/CONFERENCE ABSTRACT REVIEWER

2024 | Journal of PLOS Water
2024 | Journal of Urban Climate
2024/2023 | ENQ (Enquiry); The ARCC Journal for Architectural Research
2024 | Environmental Design Research Association (EDRA)
2023 | North American Association of Environmental Education (NAAEE)
2023 | Council of Educators in Landscape Architecture (CELA)
2024/2023 | Landscape Research Record (LRR)

INVITED LECTURES

2023 | Panelist: Bay-wide Stormwater Partners Retreat "More Meaningful Community Engagement in Stormwater Management," Shepherdstown, West Virginia
2023 | Landscape Architecture Graduate Program, Iowa State University
2021-22 | Engagement Seminar (EAS 677.085: Engagement for Impact), University of Michigan

BOARD/COMMITTEE MEMBER

2024-2025 | Fellow and ambassador, Diversity, Inclusion, Access, Wellbeing, and Equity, College of Arts and Architecture, Penn State
2021-23 | Vice President/Secretary, Iranian Students Association, Penn State
2021-2022 | Student Member, Water Council, Penn State
2021-22 | President, Graduate Research and Innovative Design (GRID), Penn State
2020-21 | Representative, Graduate Council Ad Hoc Committee on Diversity, Equity, and Inclusion, Penn State
2018-19 | Design Council Representative Graduate Landscape Architecture Group, Iowa State University

OTHER INVITED ACTIVITIES

2024 | Moderator: Council of Educators in Landscape Architecture (CELA) Annual Conference
2024 | Grant Reviewer: Chesapeake Bay Trust FY24 Green Streets, Green Jobs, Green Towns Grant Program
2024 | Faculty Search Committee Member, Department of Landscape Architecture, Penn State

CERTIFICATES

2019-2024 | Social and Behavioral Human Subjects Research (IRB)
2023 | Arts and Architecture Graduate Certificate in Online Teaching. Center for Pedagogy in Arts & Design.
2023 | Environmental Education & Community Engagement Certificate. Cornell University.