

HONG WU, PH.D.
ASSOCIATE PROFESSOR
DEPARTMENT OF LANDSCAPE ARCHITECTURE
THE PENNSYLVANIA STATE UNIVERSITY
huw24@psu.edu, (814) 865-4512
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RESEARCH/TEACHING SPECIALIZATION

Watershed planning and management, stormwater management, green infrastructure, urban river restoration, landscape performance, urban sustainability, social perceptions, and Chinese gardens and landscapes

APPOINTMENTS

DEPARTMENT OF LANDSCAPE ARCHITECTURE, PENN STATE

2022–present	Associate Professor
2016–2022	Assistant Professor
2015–2016	Postdoctoral Scholar

EDUCATION

University of Oregon	Ph.D. in Landscape Architecture	2014
Tsinghua University, China	Master of Landscape Architecture	2007
Tsinghua University, China	Bachelor of Architecture	2005

LEADERSHIP EXPERIENCE

Vice President for Research & Creative Scholarship	Council of Educators in Landscape Architecture (CELA)	2026–2028
Professor-in-Charge of Graduate Studies	Penn State Department of Landscape Architecture	2026–2029
Trainee	Penn State Emerging Academic Leaders (PSEAL) Program	2024
Co-chair (elected)	Penn State Water Council	2021–2023
Director	Penn State Stormwater Living Lab (PSSLL)	2019–present
Co-chair	CELA Geospatial and Digital Analytics track	2019–2025

PROFESSIONAL EXPERIENCE

Principal	Urban People Space Landscape Design Studio, Beijing	2015–2019
Consultant	Beijing Tsinghua Urban Planning and Design Institute	2009–2019

Urban People Space Landscape Design Studio, Beijing	2011–2015
Herrera Environmental Consultants, Seattle, WA	2015–2016

AWARDS

Translational Research Award	Penn State Institute of Energy and the Environment	2024
Outstanding Paper Award	Council of Educators in Landscape Architecture	2024
Excellence in Research and/or Creative Works (Junior Level)	Council of Educators in Landscape Architecture	2023
ASCE Outstanding Reviewer	Journal of Sustainable Water in the Built Environment American Society of Civil Engineers (ASCE)	2023
Honor Award	American Society of Landscape Architects (ASLA) Professional Awards, Analysis and Planning Category	2012
Presidential Award	The 8th International Federation of Landscape Architecture Asian Pacific Region (IFLA APR) Award Landscape Design Category	2011
Second Prize	Torsanlorenzo International Prize in Section A - Landscape Design in Transformation of the Territory	2009

RESEARCH AND CREATIVE ACTIVITIES

EXTERNAL GRANTS/FELLOWSHIPS/CONTRACTS

(Total awarded: \$9,042,814; Wu's share: \$834,672; Pending: \$60,162)

EXTERNAL GRANTS/CONTRACT

11. [Pending] McPhillips, L. & **Wu, H. (Co-PI)**. "Potential for Halophyte Application in Stormwater Treatment and Salt Resilience," *Cold Climate Stormwater Center of Excellence*. Total requested: \$20,755. (submitted 07/2026)
10. [Pending] Adib, M. (Michigan State Univ.) & **Wu, H. (Co-PI)**. "Building Flood Resilience Through Community Education and Nature-Based Design in the Chesterfield Hills Concern Area," *Michigan Department of Environment, Great Lakes, and Energy (EGLE)*, 2026 Watershed Council Grant. Total requested: \$39,407.13. (submitted 01/2026)
9. **Wu, H. (PI)**, Cruz, S., Cotrone, V., "Urban Forests for All: Advancing Urban Tree Adoption and Maintenance in Pennsylvania Communities," Pooled Monitoring Initiative's Restoration Research Award Program, *Chesapeake Bay Trust*. 2025–2027. Total: \$233,254.
8. Kirchhoff, C., **Wu, H. (Co-PI)**, Yench, A., Fetter, J., McPhillips, L., "A Comprehensive Assessment of the Barriers and Drivers of GSI Adoption Centered on Ordinances in Small and Small to Medium-Sized Municipalities in Pennsylvania," *Pennsylvania Sea Grant*. 2024–2026. Total: \$160,127; Wu: \$38,275.
7. Zaitchik, B. (Johns Hopkins Univ.), Hunter, J. (Morgan State Univ.), Welty, C. (Univ. of Maryland, Baltimore County), Davis, K., Ricciuto, D. (Oak Ridge National Laboratory), Ling, J. (National Renewable Energy Laboratory), ..., **Wu, H. (Co-I)**, "The Baltimore Social-

Environmental Collaborative Integrated Field Laboratory,” *U.S. Department of Energy*. 2022–2027. (Grant # DE-SC0023217). 2022–2026. Total: \$24,511,753. Penn State total: \$6,371,823; Wu: \$436,707.

6. McPhillips, L., Brent, D., Clark, S. E., Gotsch, S. (Franklin & Marshall College), Hoffman, M., **Wu, H. (Co-PI)**, “Ecosystem Services Assessment for Green Stormwater Infrastructure in Lancaster, PA,” *Pennsylvania Sea Grant*. 2022–2025. Total awarded: \$120,000; Wu: \$18,000.
5. McPhillips, L., Clark, S. E., Hoffman, M., **Wu, H. (Co-PI)**. “Impacts of Salt Loading on Nutrient and Metal Processing in Stormwater Bioretention,” Pooled Monitoring Initiative’s Restoration Research Award Program, *Chesapeake Bay Trust*. 2021–2023. Total awarded: \$196,183; Wu: \$29,428.
4. Johnson, B. (Univ. of Oregon), Bolte, J. (Oregon State Univ.), Gaines, L. (Oregon State Univ.), Hulse, D. (Univ. of Oregon), Nielsen-Pincus, M. (Portland State Univ.), **Wu, H. (Contractor)**, “CNH2-L: Developing Adaptive Capacity in Wildfire-prone Regions,” *National Science Foundation*. 2019–2024. Total awarded: \$1,590,861. Wu’s Contract: \$46,168.
3. 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,” *USDI Joint Fire Sciences Program*. 2016–2020. Total awarded: \$327,726; Wu: \$15,000.
2. **Wu, H. (PI)**, “LAF Case Study Investigation Program,” *Landscape Architecture Foundation*. 2017. \$7,840.

FELLOWSHIP

1. Yang, Y. (Univ. of Oregon), **Wu, H. (Co-PI)**, Li, D., Hu, J. “Urban Greenspace Planning for Healthy Cities: A City-level Study of Urban Greenspaces and Health in Chinese Cities,” *Lincoln Institute of Land Policy’s China Program Annual International Fellowship 2022–2023*. Total awarded: \$35,000; Wu: \$10,000.

INTERNAL GRANTS

(Total awarded: \$669,841; PI: \$352,731)

20. Adhikari, B., Valappil, F. P., & **Wu, H. (Co-PI)**, “Establishing a Monitoring and Modeling Framework to Quantify Watershed-Scale Urban BMP Effectiveness Under Extreme Events,” Penn State Institute of Energy and the Environment. 2026–2027, \$40,000.
19. **Wu, H. (PI)**, & Subramanyam, A., “Scaling ENVI-met for City-Scale Climate Adaptation: A 3D Deep-Learning Surrogate Model,” The Stuckeman Center for Design Computing Interdisciplinary Faculty Research Grant 2026–2027, Penn State. 2026–2028, \$27,287.
18. Yu, M., **Wu, H. (Co-PI)**, Rajtmajer, S., “Preparing for Future Long-Distance Wildfire Smoke Events: Insights from Public Perception, Behavioral Responses, and Information Uncertainty in the US Northeast,” Penn State Institute of Energy and the Environment. 2025–2026, \$40,000.
17. Cibir, R., An, R., Fetter, J., McPhillips, L., **Wu, H. (Co-PI)**, “Citizen Science-Driven Data Collection of Pennsylvania Urban Stormwater Best Management Practices Augmented by Machine Learning,” Penn State Institute of Energy and the Environment. 2023–2024, \$30,000.
16. Kukal, M., Irmak, S., Davis, K. J., McPhillips, L., Clark, S. E., **Wu, H. (Co-PI)**, “Urban Green Infrastructure and the Day-Night ‘Humid-Heat Islands’ of the Northeast U.S.,” Penn State Institute of Energy and the Environment. 2022–2023, \$30,000.
15. Flohr, T. L., Richardson, L., Hoffman, M., **Wu, H. (Co-PI)**, Lindemann, J., Heris, M. “Connecting Policies to Actions for Creating Just, Biodiverse, and Climate-Resilient Urban Forests,” Penn State Institute of Energy and the Environment. 2022–2023, \$30,000.
14. Hoffman, M., McPhillips, L., **Wu, H. (Co-PI)**, Skvarla, M., “Green Stormwater Infrastructure: Design, Maintenance and Location Impacts on Biodiversity,” Mainstreaming Biodiversity in a

- Decade of Action Seed Grant, Sustainability Institute, Penn State. 2021–2022, \$9,910.
13. **Wu, H. (PI)**, 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, \$10,000.
 12. Clark, S. E., Mysliwiec, T. H., Felker, J. M., Blaszcak-Boxe, C., McPhillips, L., **Wu, H. (Co-PI)**, Driscoll, W. W., Moazeni, F., Spear, J. M., “Water Quality Assessment of an Urban Watershed in Lancaster, PA: Implications for Environmental Justice,” Penn State Institute of Energy and the Environment. 2021–2022, \$30,000.
 11. **Wu, H. (PI)**, Rosas, C. E., Azari, R., “Healthy Interactive K-12 Educational Environments for the Pandemic Times and Beyond,” College of Arts and Architecture Sustainability Research Team Grant, Penn State. 2021–2022, \$5,000.
 10. McGraw, E., Rosinger, A., **Wu, H. (Co-PI)**, McPhillips, L., “Healthy Houses, Healthy Communities: Improving Water Management to Enhance Health Outcomes and Global Security,” Center for Security Research and Education, Penn State. 2019–2020, \$15,000.
 9. **Wu, H. (PI)**, McPhillips, L., Mina, O., Brent, D., Hoffman, M., Clark, S. E., Cole, C. A., Gutberlet, A. D., Richard, T., Hoskins, M., Fetter, J., Hoag, D. A. S., “Greening Our Stormwater: Using Campuses as Living Labs for Green Stormwater Infrastructure,” University Strategic Initiatives, Penn State. 2019–2024, \$249,883.
 8. **Wu, H. (PI)**, Mina, O., McPhillips, L., Brent, D., Cole, C. A., “Improving Green Stormwater Infrastructure Performance and Cost-effectiveness on Penn State’s University Park Campus,” Penn State Office of Physical Plant. 2019–2023, \$33,665.
 7. **Wu, H. (PI)**, Yang, B., “Understanding Societal Impacts of the Case Study Investigation Program: Perspectives from Professionals,” Ecology + Design Annual Research Grant, College of Arts and Architecture, Penn State. 2019–2020, \$5,396.
 6. Flohr, T., Miller, D., **Wu, H. (Co-PI)**, Tebyanian, N., “Developing a Computational Planting Design and Decision-Making Tool for Assessing and Predicting Pollinator Habitat Resilience,” The Stuckeman Center for Design Computing Interdisciplinary Faculty Research Grant, College of Arts and Architecture, Penn State. 2018–2020, \$13,200.
 5. McPhillips, L., Brent, D., Chaudhary, A. K., Clark, S. E., Duncan, J. M., Cibir, R., **Wu, H. (Co-PI)**, Royer, M., “Identifying Sweet Spots for Green Stormwater Infrastructure Interventions in Pennsylvania Urban Communities,” Penn State Institute of Energy and the Environment. 2019–2020, \$50,000.
 4. **Wu, H. (PI)**, Mina, O., “Multi-variate Evaluation of Green Stormwater Infrastructure on Penn State University Campus,” Ecology + Design Annual Research Grant, College of Arts and Architecture, Penn State. 2018–2019, \$14,000.
 3. Bose, M., **Wu, H. (Co-PI)**, Abhinandan, B., “Hydrological Corridors and Urban Decisions—A Study of Eastern Canals in Calcutta as Social-Ecological Systems (SES),” Ecology + Design Annual Research Grant, College of Arts and Architecture, Penn State. 2018–2019, \$14,000.
 2. Chaudhary, A. K., Raj, C., Duncan, J. M., Royer, M., Grady, C., Echols, S., **Wu, H. (Co-PI)**, Curry, K., Fetter, J., “Urban Stormwater Management Initiative,” Environment and Natural Resources Institute Centers of Excellence Grant, College of Agricultural Sciences, Penn State. 2018–2019, \$15,000.
 1. **Wu, H. (PI)**, “Exploring Maintenance-friendly Design for Green Stormwater Infrastructure in Pennsylvania,” College of Arts and Architecture Faculty Research Grant, Penn State. 2017–2019, \$7,500.

UNFUNDED PROPOSALS

(Total requested: \$4,459,334; PI: \$474,734)

22. Cheng, C. & Wu, H. (Co-PI), “Landscape Architecture Solutions That Address Inland Flooding,” National Competitive Research Grant, The ASLA Fund. 2026–2027. Total requested: \$15,000. (submitted: 2026/03)
21. Subramanyam, A., **Wu, H. (Co-PI)**, “Accelerating Climate Resilience Through AI: Rapid Deep-Learning Surrogates for Urban Microclimate Simulation,” The Coccoziello Institute of Real Estate Innovation, Penn State. Total requested: \$49,071. (submitted: 2025/04)
20. **Wu, H. (PI)**, Subramanyam, A., “Accelerating Large-Scale Climate Adaptation Modeling: A Deep-Learning Surrogate Model for ENVI-met,” The Stuckeman Center for Design Computing Interdisciplinary Faculty Research Grant 2025–2026, Penn State. Total requested: \$29,988. (submitted: 2025/01)
19. McPhillips, L., Mejía, A., Kirchhoff, C., Valappil, F. P., **Wu, H. (Co-PI)**, “NSF R2I2: Get SET for Flooding: Minimizing Flooding Impacts and Maximizing Co-Benefits Through Co-Produced Watershed Management Futures,” National Science Foundation. Total requested: \$500,000. (submitted: 2025/01)
18. Zhang, R., Róžański, M., Bascom, R., **Wu, H. (Co-PI)**, Lei, Z., Davis, K. J., Hwang, W., Shen, C., “Cumulative Environmental and Health Benefits of Urban Green Infrastructure in Disadvantaged Communities: A Case Study in Baltimore, MD,” Health Effects Institute, Nonprofit Foundations. Total requested: \$37,500. (submitted: 2024/06)
17. **Wu, H. (PI)**, Iulo, L. D., Lei, Z., Hadjimichael, A., Porter, K. W., “FloodWISE: Flood mitigation for underserved communities: Well-being, Inclusivity, Safety, and Economic stability,” National Science Foundation. Total requested: \$74,965. (submitted: 2024/05)
16. Traver, R., ..., McPhillips, L., Clark, S. E., **Wu, H. (Subaward Co-PI)**, “Mid-Atlantic and Beyond Stormwater Research Center: Advancing Sustainability and Resilience through Emerging Technology,” U.S. Environmental Protection Agency, Federal Agencies. Total requested: \$980,000. (submitted: 2024/03)
15. Subramanyam, A., **Wu, H. (Co-PI)**, “Spatial Planning for Multifunctional Green Infrastructure under Uncertainty,” Institute for Computational and Data Sciences Seed Grant 2024–2025, Penn State. Total requested: \$49,744. (submitted: 2024/03)
14. Cross, K., Clark, S., **Wu, H. (Co-PI)**, “Evaluating the Social and Environmental Impacts of Greening a Corridor in Baltimore,” USDA Forest Service, Federal Agencies. Total requested: \$350,762. (submitted: 2023/06)
13. **Wu, H. (PI)**, “Research Review for Landscape Architecture Strategies That Address Extreme Heat,” The American Society of Landscape Architects, Associations, Institutes, Societies and Voluntary Health Agencies. Total requested: \$12,500. (submitted: 2023/04)
12. Warner, N. R., Clark, S. E., Emili, L., Kahl, A., McPhillips, L., Mysliwiec, T. H., Wang, M., **Wu, H. (Senior Personnel)**, “REU SITE: Contaminants and Community: Addressing Legacy and Emerging Water Quality Concerns,” National Science Foundation. Total requested: \$389,998. (submitted: 2022/09)
11. Sohn, W. (Michigan State Univ.), Wang, R. (Univ. of Michigan), **Wu, H. (Co-PI)**, “From Bottom to Top: A Socio-Ecologically Balanced Decision Support System for Optimizing Green Stormwater Infrastructure in Underserved Communities,” National Fish and Wildlife Foundation, Nonprofit Foundations. Total requested: \$74,999. (submitted: 2022/04)
10. **Wu, H. (PI)**, Hoffman, M., McPhillips, L., Skvarla, M., Clark, S. E., Park-Martinez, J., Flohr, T. L., “Improving the Sustainability, Cost-Effectiveness, and Ecological Benefits of Bioretention Plantings,” Chesapeake Bay Trust, Nonprofit Foundations. Total requested: \$247,389. (submitted: 2022/01)

9. Flohr, T. L., **Wu, H. (Co-PI)**, “Designing Just, Biodiverse, and Climate-Resilient Urban Forests,” Landscape Architecture Foundation, Nonprofit Foundations. Total requested: \$25,000. (submitted: 2021/12)
8. Warner, N. R., Clark, S. E., Cutler, S., Emili, L., Kahl, A., McPhillips, L., Mysliwiec, T. H., Padt, F. J. G., Stauffer, J. R., Wang, M., **Wu, H. (Senior Personnel)**, “REU SITE: Contaminants and Community: Addressing Legacy and Emerging Water Quality Concerns through Culturally Responsive Practices,” National Science Foundation. Total requested: \$405,000. (submitted: 2021/08)
7. Rosas, C. E., Azari, R., **Wu, H. (Co-PI)**, “Healthy Interactive K-12 Educational Environments for the Pandemic Times and Beyond,” Penn State Institute of Energy and the Environment. Total requested: \$15,000. (submitted: 2021/02)
6. Cole, C. A., Doan, B., Willis, D. E., Flohr, T. L., Mainzer, S., Iulo, L. D., **Wu, H. (Co-PI)**, “College of Arts & Architecture Working Group for Security Research and Education: An E+D: Ecology Plus Design Initiative,” The Center for Security Research and Education (CSRE), Penn State. Total requested: \$30,248. (submitted: 2020/02)
5. McPhillips, L., Clark, S. E., Driscoll, W. W., Hoffman, M., **Wu, H. (Co-PI)**, “Optimizing Nutrient Removal in Green Stormwater Infrastructure Through Improved Design and Maintenance,” U.S. Environmental Protection Agency, Federal Agencies. Total requested: \$1,000,000. (submitted: 2019/12)
4. Yang, B., **Wu, H. (Co-PI)**, “Understanding the State of Landscape Performance and the Impacts of the Case Study Investigation (CSI) Program on Landscape Architecture Practice,” Landscape Architecture Foundation, Nonprofit Foundations. Total requested: \$13,440. (submitted: 2019/01)
3. Brent, D., Grady, C., McPhillips, L., Wrenn, D. H., **Wu, H. (Co-PI)**, Zipp, K. Y., “Community and Individual Resilience to Flood Risk,” Penn State Institutes of Energy and the Environment, Penn State. Total requested: \$48,838. (submitted: 2018/11)
2. **Wu, H. (PI)**, “Envisioning Baltimore's Watershed 263 for Better Water Quality and Livability,” Agnes Scollins Carey Memorial Early Career Professorship, Penn State. Total requested: \$59,892. (submitted: 2018/08)
1. **Wu, H. (PI)**, Cole, C. A., “Advancing Landscape Performance Research and Education through Case Study Investigations of Pittsburgh Parks,” The H. Campbell and Eleanor R. Stuckeman Collaborative Design Research Fund, Penn State. Total requested: \$50,000. (submitted: 2018/02)

PUBLICATIONS

Type: *B = Book Chapter; E = Editorial; J = Refereed Journal Article; P = Conference Proceeding; R = Report; T = Translation;*

Indexing: *AHCI, ESCI, SCI, SCIE, SSCI*

Journal Metrics: *JCR Quartile (Q1–Q4, Clarivate); IF = Impact Factor*

Authorship: *★ Corresponding Author; † Student Advisee*

UNDER REVIEW

3. [J] Wan, M.[†], Li, X., **Wu, H.**, & Han, Y. Constructing a “Source–Hub–Stepping Stone” System Through Pattern–Function Matching from a Multiscale Nested Perspective. *Journal of Cleaner Production*. [Submitted October 8, 2026].
2. [J] Zhou, Y.[†], Clark, S. E., Preisendanz, H. E., Wang, R., & **Wu, H. ★** Environmental Drivers and Reduction of Polycyclic Aromatic Hydrocarbon Concentrations in Urban Stormwater Runoff: Insights from the International BMP Database (1995–2017). *Environmental Science & Technology*. (SCIE; Q1; 2025 IF = 12.2) (submitted: 2026/10)

REVISING TO RESUBMIT

62. [J] McPhillips, L., Cheng, C., Sauvageau, S., Antoine, J., & **Wu, H.** How Does Green Stormwater Infrastructure Impact Microclimate in a Mid-Atlantic US City on Hot Summer Days? *Journal of Ecological Engineering Design*. (submitted: 2025/11)
61. [J] Wang, R.[†], Liu, P., Huang, Y., & **Wu, H.** ★ Beyond Willingness to Pay and Adoption: Psychological Pathways of Stormwater Stewardship in Chinese Sponge Cities. *PLOS One*. (SCIE; Q2; 2024 IF = 2.6)
60. [J] Zipp, K. Y., Shr, Y.-H., Smithwick, E. A. H., Dems, C., Kaye, M. W., Miller, Z. D., Newman, P., Taylor, A. H., & **Wu, H.** Feeling the Burn: The Optimal Timing of Prescribed Fires for Recreational Benefits in the Mid-Atlantic United States. *Land Economics*. (SSCI; Q2 (Economics); 2024 IF = 1.6)

PUBLISHED

2026 (3 refereed journal articles | 2 first/corresponding author)

59. [B] McPhillips, L., **Wu, H.**, Adhikari, B., Chavda, D.[†], Dong, Y.[†], & Cheng, C. Towards Multi-functional Green Stormwater Infrastructure for Urban Water Management. In Chang, H. & Haefner, M. (Eds.), *Research Companion to Urban Water Management, Elgar Companions to the Built Environment series*.
58. [J] Spangler, A., Hadjimichael, A., Blash, C., Adib, M.[†], **Wu, H.**, Cameron, M., Welty, C., Minor-Terrell, D., & Zaitchik, B. Collaborative Development of a Pluvial Flood Model and Adaptation Strategies to Advance Resilience in Baltimore. *Sustainable Cities and Society*, 149, 107750. <https://doi.org/10.1016/j.scs.2026.107750> (SCIE; Q1; 2024 IF = 12.0)
57. [J] Dong, Y.[†], Yu, M., & **Wu, H.** ★ (2026). Bridging Prediction with Planning: Integrating Image-to-Image Deep Learning with Green Infrastructure Optimization for PM_{2.5} Mitigation. *Applied Geography*, 194, 104111. <https://doi.org/10.1016/j.apgeog.2026.104111> (SSCI; Q1; 2024 IF = 5.4)
56. [J] Esperón-Rodríguez, M., Gallagher, R. V., Arndt, S., Asibey, M. O., Augustinus, B. A., ..., Wan, M.[†], ..., **Wu, H.**, et al. (2026). Rethinking Urban Forests as Essential Infrastructure for Resilience, Equity, and Biodiversity in the Current Climate Emergency. *PLOS Climate* 5(7), e0000953. <https://doi.org/10.1371/journal.pclm.0000953> (ESCI; Q1; 2024 IF = 5.1)
55. [J] Adib, M.[†], Cruz, S., & **Wu, H.** ★ (2026). Breaking Barriers to Green Stormwater Infrastructure: Understanding Resident Stewardship Intentions in Three Major U.S. Cities. *Environment and Behavior* 58(4), 512–544. <https://doi.org/10.1177/00139165261422058> (SSCI; Q1; 2024 IF = 4.6)

2025 (5 refereed journal articles | 1 refereed proceeding | 2 first/corresponding author)

54. [P] Adib, M.[†], Janardhanan, A.K., Tariq, T.[†], Iulo, L., **Wu, H.**, & Azari, R. Community-based Approaches to Creating Adaptive Solutions for Urban Challenges: Two Case Studies. (2026). 2024 *European Association for Architecture Education-Architectural Research Centers Consortium Conference Proceedings*. <https://doi.org/10.51588/prxsee02>
53. [J] Dong, Y.[†], Subramanyam, A., & **Wu, H.** ★ (2025). Spatially Explicit Optimization of Urban Green Infrastructure for Multiple Ecosystem Services Using Deep Learning Surrogates. *Environmental Modelling & Software* 196, 106758. <https://doi.org/10.1016/j.envsoft.2025.106758> (SCIE; Q2; 2024 IF = 4.6)
52. [J] Esperón-Rodríguez, M., Arndt, S., Asibey, M. O., Augustinus, B. A., Bach, A., ..., Wan, M.[†], ..., **Wu, H.**, et al. (2025). Urban Forests Are Essential for Climate Resilience and Biodiversity: A Call to Policymakers. *Plants, People, Planet* 8, 14–19. <http://doi.org/10.1002/ppp3.70125> (SCIE; Q1; 2024 IF = 3.6)
51. [J] Zhu, X., Srirangam, S., Mari, T., **Wu, H.**, & Xiao, S. (2025). Spatially Informed Quality of

Rural Life Model for Land Use Suitability in Mountainous Regions of Wumeng. *Polish Journal of Environmental Studies*. <https://doi.org/10.15244/pjoes/210362> (SCIE; Q4; 2024 IF = 1.3)

50. [J] Shang, Y., Liu, J., **Wu, H.**, & Chen, L. (2025). Spatial Layout Strategy for Stormwater Management Measures 2 in Mountainous Cities Based on the “Source-Sink” Theory. *Water* 17(11), 1591. <https://doi.org/10.3390/w17111591> (SCIE; Q2; 2024 IF = 3.0)
49. [J] **Wu, H.**, Gong, C., Wang, R.[†], Niu, X., Cao, Y., Cao, C., & Hu, C. (2025). Moderating Effects of Park Accessibility and External Environment on Park Satisfaction in a Mountainous City. *Land*, 14(1), 1. <https://doi.org/10.3390/land14010077> (SSCI; Q2; 2024 IF = 3.2)

2024 (7 refereed journal articles | 2 refereed proceedings | 5 first/corresponding author)

48. [J] Gong, C., Cao, Y., **Wu, H.** & Cao, C. (2024). Walking Accessibility of Mountainous City Parks Based on Improved Two-Step Floating Catchment Area (2SFCA) Method: A Case Study of Yuzhong District, Chongqing. *ArchiCreation (建筑创作)*, 04, 166–176. doi:CNKI:SUN:JZCZ.0.2024-04-003. (In Chinese) (2024 CNKI Composite IF = 0.39)
47. [J] **Wu, H.**[★], Hoffinan, M., Wang, R.[†], Kelley, K. M., & Adib, M.[†] (2024). Revealing Public Perceptions of Biodiverse vs Turf Swales: Balancing Enhanced Ecosystem Services with Heightened Concerns. *Water*, 16(20), 2899. <https://doi.org/10.3390/w16202899> (SCIE; Q2; 2024 IF = 3.0)
46. [J] Smithwick, E. A. H., **Wu, H.**, Spangler, K., Adib, M.[†], Wang, R.[†], Dems, C., Taylor, A. H., Kaye, M. W., Zipp, K., Newman, P., Miller, Z. D., & Zhao, A. (2024). Barriers and Opportunities for Implementing Prescribed Fire: Lessons from Managers in the Mid-Atlantic Region, United States. *Fire Ecology*, 20(1), 77. <https://doi.org/10.1186/s42408-024-00315-6> (SCIE; Q1; 2024 IF = 5.0)
45. [J] Wang, R.[†], Wu, Y., Niu, J., Wang, N., & **Wu, H.**[★] (2024). Evaluating Public Satisfaction and Its Determinants in Chinese Sponge Cities Using Structural Equation Modeling. *Land*, 13(8), 1225. <https://doi.org/10.3390/land13081225> (SSCI; Q2; 2024 IF = 3.2)
44. [J] Wang, X., Wang, R.[†], Lyn, X., & **Wu, H.**[★] (2024). Using Public Perceptions to Inform Urban Protected Area Buffer Zone Planning. *Environmental Management*, 74(2), 300–316. <https://doi.org/10.1007/s00267-024-01992-4> (SCIE; Q3; 2024 IF = 3.0)
43. [J] Wang, R.[†], **Wu, H.**[★], Chiles, R. M., & Yang, Y. (2024). Sustainability Outcomes and Policy Implications: Evaluating China’s “Old Urban Neighborhood Renewal” Experiment. *PLOS One*, 19(4), e0301380. <https://doi.org/10.1371/journal.pone.0301380> (SCIE; Q2; 2024 IF = 2.6)
42. [J] Flohr, T., Garcia, L., Figueiredo, C., Heris, M., Hoffinan, M., Lindemann, J., **Wu, H.**, & Richardson, L. (2024). Exploring a Just and Diverse Urban Forests’ Capacity for Mitigating Future Mean Radiant Temperatures. *Journal of Digital Landscape Architecture*, 9-2024, 302–313. <https://doi.org/10.14627/537752028>
41. [P] Hendricks, L.[†], Hoffinan, M., Wang, R.[†], & **Wu, H.**[★] (2024). Bioretention Planting for Pollutant Removal. *Landscape Research Record No. 12*, 119–133. https://thecela.org/wp-content/uploads/LRR12_2.4.pdf
40. [P] Pu, B., Li, Y., **Wu, H.**, & Xu, X. (2024). Selecting Appropriate Acoustic Indices for Biodiversity Assessments in Different Acoustic Environments. *Landscape Research Record No. 12*, 77–91. https://thecela.org/wp-content/uploads/LRR12_2.4.pdf (**Outstanding Paper Award**)

2023 (6 refereed journal articles | 1 editorial | 1 refereed book chapter | 2 reports | 1 refereed proceeding | 4 corresponding author)

39. [E] Henderson, R. & **Wu, H.**[★] (2023). Special Issue on Chinese Gardens and Landscapes. *Studies in the History of Gardens & Designed Landscapes*, 43(4), 251–253. <https://doi.org/10.1080/14601176.2023.2289792> (AHCI; Q3; 2024 IF = 0.2)
38. [J] Wang, X., **Wu, H.**[★], Gorenflo, L. J., & Wu, C. (2023). Exploring 1800 Years of Ecosystem

Services from West Lake, Hangzhou, China. *Studies in the History of Gardens and Designed Landscapes*, 43(4), 279–297. <https://doi.org/10.1080/14601176.2023.2267375> (AHCI; Q3; 2024 IF = 0.2)

37. [J] Hoffman, M., Berghage, R., & **Wu, H.** (2023). Comparing Vegetation and Substrate Performances on Nutrient Removal and Biomass Establishment in a Natural Swimming Pool Experiment. *HortTechnology*, 33(6), 499–511. <https://doi.org/10.21273/HORTTECH05192-23> (SCIE; Q3; 2024 IF = 1.3)
36. [R] McPhillips, L., Adhikari, B., Brown, A., Clark, S., Hoffman, M., & **Wu, H.** (2023). Impacts of Salt Loading on Nutrient and Metal Processing in Stormwater Bioretention. *Chesapeake Bay Trust Pooled Monitoring Initiative's Restoration Research Program*. https://cbtrust.org/wp-content/uploads/20231001_CBTfinalreport_McPhillips.pdf
35. [J] Rummmler, L.[†], Voogt, W., Kuggas, U., & **Wu, H.*** (2023). Green Stormwater Infrastructure Design for Climate Change: Lessons from Northern Europe (*in English and Chinese*). *Landscape Architecture (风景园林)*, 30(9): 45–64. <https://doi.org/10.12409/j.fjyl.202211110635> (Chinese Core Journal: Peking University Core; 2024 CNKI Composite IF = 3.05)
34. [P] Fischer, C.[†], Adhikari, B.[†], McPhillips, L., **Wu, H.**, Gotsch, S., & Clark, S. (2023). De-icing Salt Transport from the Street Through a Roadside Bioretention Basin. *Novatech 2023*, Lyon, France. <https://hal.science/hal-04167773/>
33. [R] Yang, Y., **Wu, H.**, Li, D., & Hu, J. (2023). Understanding the Direct and Indirect Health Effects of Urban Greenspaces: A Green Infrastructure Approach to Healthy Behavior and Outcome. Working Paper, *Lincoln Institute of Land Policy*. <https://www.lincolnst.edu/publications/working-papers/understanding-direct-indirect-health-effects-urban-greenspaces/>
32. [J] Yavari, R.[†], **Wu, H.**, Grady, C., Brent, D., Clark, S., Raj, C., Duncan, J., Chaudhary, A. K., & McPhillips, L. (2023). Identifying Sweet Spots for Green Stormwater Infrastructure Implementation: A Case Study in Lancaster, Pennsylvania. *Journal of Sustainable Water in the Built Environment*, 9(3), 05023004. <https://doi.org/10.1061/JSWBAY.SWENG-513> (ESCI; Q4; 2024 IF = 1.4)
31. [J] Tebyanian, N.[†], Fischbach, J., Lempert, R., Knopman, D., **Wu, H.**, Iulo, L. D., & Keller, K. (2023). Rhodium-SWMM: An Open-Source Tool for Green Infrastructure Placement Under Deep Uncertainty. *Environmental Modelling & Software*, 163, 105671. <https://doi.org/10.1016/j.envsoft.2023.105671> (SCIE; Q2; 2024 IF = 4.6)
30. [J] Adib, M.[†], **Wu, H.***, & Flohr, T. L. (2023). Professional Perceptions of Participatory Practices in Green Stormwater Infrastructure Development. *PLOS Water*, 2(3), e0000084. <https://doi.org/10.1371/journal.pwat.0000084> (ESCI; Q2; 2024 IF = 2.8)
29. [B] McPhillips, L., **Wu, H.**, Lerer, S., Rojas, C., Rosenzweig, B., Sauer, J., & Winfrey, B. (2023). Nature-Based Solutions as Critical Urban Infrastructure for Water Resilience. In McPhearson, T., Frantzeskaki, N., & Kabisch, N. (Eds.), *A Modern Guide to Nature-based Solutions for Cities*, 146–166. Edgar Elgar Publishing: Northampton, MA, USA. Peer-reviewed. <https://doi.org/10.4337/9781800376762.00017>

2022 (7 refereed journal articles | 1 book chapter | 1 report | 7 first/corresponding author)

28. [J] **Wu, H.**, Miller, Z., Wang, R.[†], Zipp, K. Y., Newman, P. B., Shr, Y.-H., Dems, C., Taylor, A. H., Kaye, M. W., & Smithwick, E. A. H. (2022). Public and Manager Perceptions About Prescribed Fire in the Mid-Atlantic, United States. *Journal of Environmental Management*, 322, 116100. <https://doi.org/10.1016/j.jenvman.2022.116100> (SCIE; Q1; 2024 IF = 8.4)
27. [J] Wang, R.[†], Brent, D., & **Wu, H.*** (2022). Willingness to Pay for Ecosystem Benefits of Green Stormwater Infrastructure in Chinese Sponge Cities. *Journal of Cleaner Production*, 371, 133462. <https://doi.org/10.1016/j.jclepro.2022.133462> (SCIE; Q1; 2024 IF = 10.0)

26. [B] **Wu, H.** “Philadelphia, Pennsylvania.” (2022). In Newman, G., & Qiao, Z. (Eds.), *Landscape Architecture for Mitigating Sea Level Rise: Innovative Global Solutions*, 80–89. New York: Routledge. <https://doi.org/10.4324/9781003183419-11>
25. [J] Tebyanian, N.[†], **Wu, H.**, Iulo, L. D., & Keller, K. (2022). Uncertainty Considerations in Green Infrastructure Optimization: A Review. *Journal of Digital Landscape Architecture* (JoDLA), 2022(7), 549–560. <https://doi.org/10.14627/537724052> (2022 JoDLA Scientific Excellence Award)
24. [J] Gong, C., **Wu, H.**[★], & Hu, C. Integration of Gray-Green Stormwater Infrastructure Planning and Urban Design—Lessons from the “Green First Plan” of the Mountainous City of Pittsburgh, USA. (2022). *Chinese Landscape Architecture* (中国园林), 38(05), 62–67. <https://link.oversea.cnki.net/doi/10.19775/j.cla.2022.05.0062> (In Chinese) (Chinese Core Journal: Peking University Core; 2024 CNKI Composite IF = 3.08)
23. [J] Gong, C., **Wu, H.**[★], & Hu, C. (2022). Ecological Function Optimization Strategy of Urban Public Open Space based on Green Infrastructure Network: A Case Study of Central Nanjing. *New Architecture* (新建筑), 1, 49–55. <https://doi.org/10.12069/j.na.202201049> (In Chinese) (Chinese Core Journal: Peking University Core; 2024 CNKI Composite IF = 1.23)
22. [J] Zhang, Y.[†], Tamminga, K., & **Wu, H.** (2022). Interweaving Computational and Tacit Knowledges to Design Nature-based Play Networks in Underserved Communities. *Land*, 11(3), 350. <https://doi.org/10.3390/land11030350> (SSCI; Q2; 2024 IF = 3.2)
21. [R] Myerov, S. & **Wu, H.**[★] (2022). The COVID-19 Pandemic’s Impact on Pennsylvania’s MS4 Communities – Preliminary Survey Findings. Pennsylvania Environmental Council and Penn State Stormwater Living Lab.
20. [J] Wang, R.[†], **Wu, H.**[★], & Chiles, R. M. (2022). Ecosystem Benefits Provision of Green Stormwater Infrastructure in Chinese Sponge Cities. *Environmental Management*, 69, 558–575. <https://doi.org/10.1007/s00267-021-01565-9> (SCIE; Q3; 2024 IF = 3.0)

2021 (4 refereed journal articles | 1 refereed proceeding | 4 first/corresponding author)

19. [J] Wu, M.[†], **Wu, H.**[★], Warner, A. T., Li, H., & Liu, Z. (2021). Informing Environmental Flow Planning through Landscape Evolution Modeling in Heavily Modified Urban Rivers in China. *Water*, 13(22), 3244. <https://doi.org/10.3390/w13223244> (SCIE; Q2; 2024 IF = 3.0)
18. [J] **Wu, H.**, Yang, Y., & Hu, J. (2021). Nurturing Nature in a Mega-City: A Decadal Assessment of the Beijing Olympic Forest Park. *Socio-Ecological Practice Research*, 3(2), 91–108. <https://doi.org/10.1007/s42532-021-00076-5> (2021 Editor’s Choice)
17. [J] Xu, X. & **Wu, H.**[★] (2021). Audio-visual Interactions Enhance Soundscape Perception in China’s Protected Areas. *Urban Forestry & Urban Greening*, 61, 127090. <https://doi.org/10.1016/j.ufug.2021.127090> (SSCI/SCIE; Q1; 2024 IF = 6.7)
16. [J] Xu, X., **Wu, H.**[★], & Feng, J. (2021). Research on Audio-visual Perception in Protected Areas based on Experiments and Grounded Theory: A Case Study of Wulingyuan World Natural Heritage Site. *Landscape Architecture* (风景园林), 28(8):119–124. <https://link.oversea.cnki.net/doi/10.14085/j.fjyl.2021.08.0119.06> (In Chinese)
15. [P] Bera, A.[†] & **Wu, H.** (2021). The Dichotomy of Development and Water Management Surrounding the East Calcutta Wetlands since the British-colonial Era. *Proceedings of the ConCave Ph.D. Symposium: Divergence in Architectural Research*. Atlanta, GA: School of Architecture, Georgia Institute of Technology. <https://doi.org/10.35090/gatech/82>

2020 (5 refereed journal articles | 1 refereed proceeding | 1 report | 3 corresponding author)

14. [J] Wu, M.[†], Liu, Z., Li, H., & **Wu, H.**[★] (2020). Urban River Ecological Restoration from the Landscape Hydrology Perspective—Case Study of the Los Angeles River Revitalization.

Landscape Architecture (风景园林), 27(8): 35–41.

<https://link.oversea.cnki.net/doi/10.14085/j.fjyl.2020.08.0035.07> (In Chinese) (2023 IF = 2.17)

13. [J] Miller, Z., **Wu, H.**, Zipp, K. Y., Dems, C. L., Smithwick, E. A. H., Kaye, M. W., Newman, P. B., Zhao, A., & Taylor, A. H. (2020). Hunter and Non-hunter Perceptions of Costs, Benefits, and Likelihood of Outcomes of Prescribed Fire in the Mid-Atlantic. *Society & Natural Resources*, 33(10), 1321–1327. <https://doi.org/10.1080/08941920.2020.1780359> (SSCI; Q2; 2024 IF = 1.9)
12. [P] Flohr, T. L., **Wu, H.**, & Tebyanian, N.[†] (2020). A Web App for Urban Pollinator Site Assessment. *Landscape Research Record No. 9*: 177–191. http://thecela.org/wp-content/uploads/LRR_v.9_FINAL_2020_Reduced-1.pdf
11. [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*, 5–2020: 549–557. <https://doi.org/10.14627/537690056>
10. [J] West, C. & **Wu, H.**[★] (2020). The Next Green Revolution: Rebuilding Urban Abundance through Plant Community-Based Design. *Landscape Architecture (风景园林)*, 27(4): 8–24. <https://link.oversea.cnki.net/doi/10.14085/j.fjyl.2020.04.0008.17> (In English and Chinese)
9. [J] Wang, X., Gorenflo, L. J., **Wu, H.**, & Wu, C. (2020). Evolution Mechanism of Social-Ecological System Based on Cultural and Political Ecology: A Case Study of Hangzhou and West Lake. *Landscape Architecture (风景园林)*, 27(1): 77–82. <https://link.oversea.cnki.net/doi/10.14085/j.fjyl.2020.01.0077.06> (In Chinese)
8. [R] Smithwick, E. A. H., Kaye, M. W., Taylor, A. H., Newman, P. B., **Wu, H.**, & Zipp, K. Y. (2020). Final Report. Firescapes in the Mid-Atlantic: Mismatches Between Social Perceptions and Prescribed Fire Use. USDI Joint Fire Sciences Program.

2019

7. [J] **Wu, H.**[★], & Johnson, B. (2019). Climate Change will Both Exacerbate and Attenuate Urbanization Impacts on Streamflow Regimes in the Willamette Valley, Oregon. *River Research and Applications*, 35: 818–832. <https://doi.org/10.1002/rra.3454> (SCIE; Q3; 2024 IF = 1.9)
6. [P] **Wu, H.** (2019). “Advancing Landscape Performance Evaluation: One Project at a Time.” *Ecology + Design Symposium: Ecology + Design Strategies to Solve Complex Problems*. College of Arts and Architecture, Penn State University, University Park, PA. https://issuu.com/stuckemanschool/docs/eplud_symposium_vol1_single-pages

2017

5. [R] **Wu, H.** & Silveira, C.[†] (2017) “Yanxiu Park.” *Landscape Performance Series*. Landscape Architecture Foundation. <https://doi.org/10.31353/cs1310>
4. [R] **Wu, H.** & Silveira, C.[†] (2017) “Huludao-Xingcheng Coastal Trail.” *Landscape Performance Series*. Landscape Architecture Foundation. <https://doi.org/10.31353/cs1300>
3. [R] **Wu, H.** & Silveira, C.[†] (2017) “TAXI II.” *Landscape Performance Series*. Landscape Architecture Foundation. <https://doi.org/10.31353/cs1290>

2013–2015

2. [J] **Wu, H.**[★], Bolte, J., Hulse, D., & Johnson, B. (2015). A Scenario-Based Approach to Integrating Flow-Ecology Research with Watershed Development Planning. *Landscape and Urban Planning*, 144: 74–89. <https://doi.org/10.1016/j.landurbplan.2015.08.012> (SSCI/SCIE; Q1; 2024 IF = 9.2) (Cover story)
1. [T] Maul Foster Alongi (2013). “Think Big—Zidell cleanup.” Translated into Chinese by Zhao, N., **Wu, H.**, & Wei, D. Portland, OR.

DESIGN COMPETITION

- **Fourth Place.** (2025) Land Art Generator LAGI 2025 FIJI–Land Art for A Changing Climate Design Competition. By Hadighi, M., Giarrusso, M., Acharya, A., Renner, S., Smith, M., Minder, D., Foreman, J., Othman, H., Conroy, J., **Wu, H.**, & Azari, R. International.

INVITED TALKS AND EXPERT CONTRIBUTIONS

(L – Guest Lecture; P – Presentation; PA – Panel; WK – Workshop; WB – Webinar)

34. [L] Henderson, R., & **Wu, H.** (2026/06/07). “Landscape History, Design, and Green Infrastructure Resilience,” *Chongqing University Lecture Series*, Chongqing, China.
33. [L] **Wu, H.** (2025/04/17). “Fostering Interdisciplinary Thinking in Doctoral Education to Confront Environmental Crises,” *Ph.D. Forum, Illinois Institute of Technology*, Chicago.
32. [L] **Wu, H.** (2025/03/27). “A Multidisciplinary Living Lab for Green Infrastructure Research, Education, and Outreach,” *Herrera Environmental Consultants*, Seattle, WA.
31. [WB] McPhillips, L., **Wu, H.**, & Hoffman, M. (2025/03/19). “Green Infrastructure’s Many Functions,” *Penn State Extension Water Cooler Talk*. Regional. Virtual.
30. [P] **Wu, H.** (2024/12/14). “Collaborative Solutions: Tackling Wicked Environmental Challenges Through Interdisciplinary Graduate Education,” *2024 China Landscape Architecture Education Conference*, Zhejiang A & F University, Hangzhou, China. Virtual. International.
29. [PA] Henderson, R., **Wu, H.**, Zhang, J., & Wei, F. (2024/06/24). “Studies in the History of Gardens and Designed Landscapes: A Panel Discussion,” *Tsinghua University School of Architecture Lecture Series*, Beijing, China.
28. [PA] Henderson, R., & **Wu, H.** (2024/06/23). “Studies in the History of Gardens and Designed Landscapes: A Panel Discussion,” *Beijing Forestry University School of Landscape Architecture Lecture Series*, Beijing, China.
27. [PA] Henderson, R., & **Wu, H.** (2024/06/22). “Landscape Architecture in the Context of Social Transformation: ‘Change’ and ‘Statis’,” *Xi’an University of Architecture and Technology Department of Landscape Architecture Lecture Series*, Xi’an, China.
26. [PA] Henderson, R., & **Wu, H.** (2024/06/21). “Studies in the History of Gardens and Designed Landscapes: A Panel Discussion,” *Xi’an Jiaotong University Joint School of Design and Innovation Lecture Series*, Xi’an, China.
25. [PA] Henderson, R., & **Wu, H.** (2024/06/19). “Studies in the History of Gardens and Designed Landscapes: A Panel Discussion and Urban Design Research,” *The 10th National Spatial Planning Innovation/Department of Landscape Architecture Academic Cloud Lecture Series (No. 45)*, School of Architecture and Urban Planning, Huazhong University of Science and Technology, Wuhan, China.
24. [L] Henderson, R., & **Wu, H.** (2024/06/14). “Chinese Gardens and Landscape Architecture,” *Tongji University Academic Seminar*, Shanghai, China.
23. [PA] Henderson, R., & **Wu, H.** (2024/06/12). “Studies in the History of Gardens and Designed Landscapes: A Panel Discussion,” *Department of Landscape Architecture Lecture Series*, South China University of Technology, Guangzhou, China.
22. [L] **Wu, H.** (2023/11/12). “Climate Change and Urban Stormwater Management,” *Department of Landscape Architecture Lecture Series*, Tsinghua University, Beijing, China. Virtual.
21. [P] **Wu, H.** (2023/07/30). “Urban Green Stormwater Infrastructure Design for Climate Change,” *The 8th China Forestry Academic Conference*, Chinese Society of Forestry, Virtual. International.
20. [L] **Wu, H.** (2023/06/12). “Beyond the Boundaries: Relationship Between Cities and Cultural Landscapes,” *Space + Design Workshop*, Department of Landscape Architecture, Xi’an University of Architecture and Technology, Xi’an, China. Virtual.
19. [L] **Wu, H.** (2023/05/18). “Design Implementation—Stormwater Management,” *Department of Landscape Architecture Lecture Series*, Tsinghua University, Beijing, China. Virtual.

18. [P] Adib, M., & **Wu, H.** (2023/04/13). "Professional Perceptions of Participatory Practices in Green Stormwater Infrastructure Development," *11th Biennial Bay-Wide Stormwater Partners' Retreat*, Chesapeake Stormwater Network (CSN) and the National Fish and Wildlife Foundation, Shepherdstown, WV. Regional.
17. [PA] Warner, A., Brasier, K. J., **Wu, H.**, Davis, K. J., & Kibuye, F. (2023/03/23). "Sailing Through Disciplines: Interdisciplinary Research for Tangible Water Research," *2023 Penn State Water Conference and Community Event*, University Park, PA.
16. [P] **Wu, H.** (2022/05/21). "A Multi-Disciplinary Living Lab Approach to Green Infrastructure Research, Education, and Outreach," *2022 International Forum on Landscape Hydrology Education and Practice*, Tsinghua University, Beijing, China. International.
15. [WK] **Wu, H.**, McPhillips, L., Clark, S.E., Park-Martinez, J., & Hoskins, M. (2022/05/19). "A Multi-Discipline Living Lab Approach to Stormwater Adaptation," *Penn State Commonwealth Campuses Sustainability Forum (Harrisburg): Town-Gown Collaborations for a Resilient Pennsylvania*, Harrisburg, PA. Regional.
14. [WK] **Wu, H.**, Modricker, D., Cotrone, V., Koch, K., & Yench, A. (2022/05/17). "Green Infrastructure Workshop," *National Extension Energy Summit and National Sustainability Summit (NEES+NSS)*, State College, PA. National.
13. [WB] Smithwick, E.A.H., Kaye, M.W., Taylor, A.H., Newman, P.B., Zipp, K.Y., & **Wu, H.** (2022/01/11). "Firescapes of the Mid-Atlantic: Challenges and Opportunities for Implementing Prescribed Burning as a Land Management Strategy," *Oak Woodlands and Forests Fire Consortium*. National. Virtual.
12. [WB] **Wu, H.** & Myerov, S. (2021/07/21). "COVID-19 Impacts on Pennsylvania MS4 Communities," *Penn State Extension July Water Cooler Talk*. Regional. Virtual.
11. [L] **Wu, H.** (2021/03/10). "Healthy Urban Water Systems," *Beijing University of Civil Engineering and Architecture School of Architecture and Urban Planning Lecture Series*, Virtual.
10. [WB] Smithwick, E.A.H., Zipp, K.Y., **Wu, H.**, et al. (2020/02/11). "Firescapes of the Mid-Atlantic," *Center for Private Forests Webinar*. Regional. Virtual.
9. [L] **Wu, H.** (2020/05/29). "Addressing Urban Flooding and Water Pollution with Green Stormwater Infrastructure," *Penn State Office of Research Protections Values in Action Series*, Virtual.
8. [L] Smithwick, E.A.H., Zipp, K.Y., **Wu, H.**, et al. (2019/10/03). "Firescapes of the Mid-Atlantic: A Promethean Promise," *Research Unplugged*, Penn State Office of Government and Community Relations and Schlow Library. State College, PA.
7. [L] Smithwick, E.A.H., Zipp, K.Y., **Wu, H.**, et al. (2019/09/12). "Firescapes in the Mid-Atlantic," *New Jersey Forest Fire Service All Staff Meeting*. Island Beach State Park, NJ. Regional.
6. [WK] Smithwick, E.A.H., Zipp, K.Y., **Wu, H.**, et al. (Sep. 11, 2019/09/11). "Firescapes in the Mid-Atlantic: Mismatches Between Social Perceptions and Managed Fire Use," *Central Appalachians Fire Learning Network Workshop*. McHenry, MD. Regional.
5. [Keynote] Smithwick, E.A.H., Zipp, K.Y., **Wu, H.**, et al. (Feb. 6, 2019/02/06). "Firescapes in the Mid-Atlantic: Mismatches Between Social Perceptions and Prescribed Fire Use," *2019 Pennsylvania Prescribed Fire Council Annual Meeting*. Gettysburg, PA. Regional.
4. [L] Smithwick, E.A.H., Zipp, K.Y., **Wu, H.**, et al. (2018/09/11). "Firescapes in the Mid-Atlantic: Mismatches between Social Perceptions and Prescribed Fire Use," *The Nature Conservancy Maryland Chapter Seminar*, Arlington, VA. Regional.
3. [L] **Wu, H.** (2018/05/16). "Urban Stormwater Management in the Northwest US: Lessons and Implications for Sponge City Development (2016 vs. 2018)," *Huazhong University of Science and Technology Department of Landscape Architecture Lecture Series*, Wuhan, China.
2. [L] **Wu, H.** (2017/06/22). "Urban Stormwater Management in the Northwest US: Lessons and Implications for Sponge City Development," *Central Academy of Fine Arts School of*

Architecture Lecture Series, Beijing, China.

1. [WK] Lenth, J., W. Lucas, D. Ahearn, Y. Yang, & **Wu, H.**★ (2016/06/27). “Lessons Learned from Stormwater Management in the United States,” *2016 International Low Impact Development (LID) Conference*, Beijing, China. International.

REFEREED ORAL PRESENTATIONS

2027 [2 accepted]

74. Zhou, Y.[†], & **Wu, H.** “Integrating Physical Simulation and Deep Learning: A SWMM–MoE–LSTM Approach for PAH Prediction,” *American Society of Civil Engineers 2027*, Philadelphia, PA. International. (*Accepted*)
73. Dong, Y.[†], & **Wu, H.** “Scalable Microclimate Simulation for Urban Climate Adaptation: A Deep-Learning Surrogate Approach,” *American Society of Civil Engineers 2027*, Philadelphia, PA. International. (*Accepted*)

2026 [10]

72. Spangler, A., Hadjimichael, A., Cameron, M., Adib, M., **Wu, H.**, Blash, C., Welty, C., Minor-Terrell, D., & Zaitchik, B. (2026). “Improving Climate Preparedness and Balancing Tradeoffs and Through Community-Engaged Development of Urban Flood Adaptations: A Case Study In Baltimore, MD.” *American Geophysical Union 2026 Annual Meeting*, San Francisco, CA. International.
71. Spangler, A., Hadjimichael, A., Adib, M.[†], **Wu, H.**, Welty, C., & Zaitchik, B. (2026). “Collaborative Development of a Pluvial Flood Model and Adaptation Strategies to Advance Resilience in Baltimore,” *13th Annual Conference of the Society for Decision Making Under Deep Uncertainty (DMDU)*, Baton Rouge, LA. International.
70. Wan, M.[†] & **Wu, H.** (2026). “Revealing the Coupling Impact of Urban Features on Land Surface Temperature in Coastal and Inland Urban Areas Using Explainable Machine Learning,” *62nd International Federation of Landscape Architects (IFLA) World Congress*, Hong Kong, China. International. (*Accepted*)
69. [Workshop] Yu, M., **Wu, H.**, & Rajtmajer, S. (2026). “Towards Trusted Wildfire Smoke Communication Pathways for Pennsylvania Communities,” *Penn State 2026 Climate Solutions Symposium*. International.
68. Mombeini, P.[†] & **Wu, H.** (2026). “Pluvial Flooding and Its Impacts: Exploring Health Effects and Financial Costs for Vulnerable Communities,” *Environmental Design Research Association (EDRA) 57 Conference*, Amherst, MA. International.
67. Wan, M.[†] & **Wu, H.** (2026). “Explaining Urban Heat with GeoAI: Coupled Landscape, Structural, and Ecological Drivers Across the Northeast Megalopolis,” *EDRA57*, Amherst, MA. International.
66. Wan, M.[†] & **Wu, H.** (2026). “How Does Surface Urban Heat Island Intensity Affect Bird Abundance in the United States? A Machine-learning-based Analysis,” *2026 International Association for Landscape Ecology (IALE)–North America Annual Meeting*, Athens, GA. International.
65. Wan, M.[†], Esperon-Rodriguez, M., & **Wu, H.** (2026). “A Spatial Framework for Assessing Climate Risk to Urban Forests in Baltimore City, USA,” *CELA 2026 Annual Conference*, Cincinnati, OH. International.
64. Zhou, Y.[†] & **Wu, H.** (2026). “Integrating Physical Simulation and Deep Learning: A SWMM–MoE–LSTM Approach for PAH Prediction,” *CELA 2026 Annual Conference*, Cincinnati, OH. International.
63. Dong, Y.[†] & **Wu, H.** (2026). “Spatial Decision Unit Framework for Multifunctional Green Infrastructure Planning and Optimization: An Application in the Dead Run Watershed,” *CELA*

2026 Annual Conference, Cincinnati, OH. International.

62. McPhillips, L., Cheng, C., Sauvageau, S., Antoine, J., & **Wu, H.** (2026). "Does Green Stormwater Infrastructure Affect Urban Microclimate? A Field Investigation in Lancaster, PA," *2026 International Low Impact Development (LID) Conference*, Jacksonville, FL. International.

2025 [9]

61. **Wu, H.** & Zhou, Y.[†] (2025). "The Impact of Urban Land Use and Green Infrastructure on PAHs Pollution in Urban Surface Runoff (1995–2017): A National Study," Organized session: *Climate Change on a Microscopic Level. Ecological Society of America (ESA) 2025 Annual Meeting*, Baltimore, MD. International.
60. Adib, M.[†] & **Wu, H.** (2025). "Exploring the Determinants of Residents' Intentional Behavior in Green Stormwater Infrastructure Adoption: A Multilevel Modeling Approach," *2025 World Environmental & Water Resources Congress*, Environmental and Water Resources Institute (EWRI), Anchorage, AK. International.
59. **Wu, H.**, Hoffman, M., Wang, R.[†], Kelley, K. M., & Adib, M.[†] (2025). "Revealing Public Perceptions of Biodiverse vs Turf Swales: Balancing Enhanced Ecosystem Services with Heightened Concerns," *2025 World Environmental & Water Resources Congress*, EWRI, Anchorage, AK. International.
58. Dong, Y.[†], Yu, M., & **Wu, H.** (2025). "A Spatially Explicit Deep Learning Model for PM_{2.5} Rapid Prediction to Enhance Urban Green Infrastructure Decision-making: A Case Study in California," *Association of American Geographers (AAG) Annual Meeting 2025*, Detroit, MI. International.
57. Dong, Y.[†] & **Wu, H.** (2025). "Integrating SWAT+ and InVEST for Multifunctional Green Infrastructure Decision-making: A Case Study in Jones Falls Watershed," *CELA 2025 Annual Conference*, Portland, OR. International.
56. Zhou, Y.[†] & **Wu, H.** (2025). "Nationwide Analysis of Urban Land Use and Green Infrastructure Effects on PAHs Pollution in Urban Surface Runoff (1978–2023)," *CELA 2025 Annual Conference*, Portland, OR. International.
55. Yang, Y., **Wu, H.**, Li, D., Hu, J. (2025). "A Green Infrastructure Approach to Studying Urban Greenspace Health Effects: Insights from A Study of 87 Chinese Cities," *CELA 2025 Annual Conference*, Portland, OR. International.
54. Mombeini, P.[†] & **Wu, H.** (2025). "The Economic, Mental, and Physical Human Health Impacts of Pluvial Flooding in Baltimore's Underserved Communities," *CELA 2025 Annual Conference*, Portland, OR. International.
53. Dong, Y.[†], Subramanyam A., & **Wu, H.** (2025). "Spatially Explicit Urban Green Infrastructure Optimization of Multiple Ecosystem Services Using Deep Learning Surrogates," The First Workshop on AI for Urban Planning; The 39th Annual Association for the Advancement of Artificial Intelligence (AAAI) Conference, Philadelphia, PA. International.

2024 [7]

52. Adib, M.[†] & **Wu, H.** (2024). "Investigating Influences on Public Involvement in Green Stormwater Solutions: A Theory of Planned Behavior Expansion," *2024 Pennsylvania Stormwater Symposium*, Villanova Urban Stormwater Partnership (VUSP), Villanova, PA. Regional.
51. Adib, M.[†] & **Wu, H.** (2024). "Assessing Knowledge, Past Experiences, and Social-Psychological Factors in GSI Implementation and Maintenance Using SEM and Theory of Planned Behavior," *Environmental Design Research Association (EDRA) 55: Human-centric Design*, Portland, OR. International.
50. Adib, M.[†], Kizhakkemarakkattil Janardhanan, A., Tariq, T.[†], Iulo, L. D., **Wu, H.**, & Azari, R. (2024). "Community-based Approaches to Creating Adaptive Solutions for Urban Challenges: Two Case Studies," *European Association for Architectural Education-Architectural Research*

Centers Consortium (EAAE-ARCC) Conference 2024, Aarhus, Denmark. International.

49. Evers, C., Johnson, B., Nielsen-Pincus, M., Hulse, D., Bolte, J., & **Wu, H.** (2024). "Spatially Targeted Investments in Social Capital to Reduce Risk to Wildfire," *2024 American Association of Geographers Annual Meeting (AAG)*, Honolulu, HI. International.
48. Flohr, T. L., Adib, M.[†], **Wu, H.**, Lindemann, J., & Hoffman, M. (2024). "Opportunities and Barriers for a Just and Biodiverse Urban Forest: The Case of Pittsburgh, PA," *CELA 2024 Annual Conference*, St. Louis, MO. International.
47. **Wu, H.**, Wang, R.[†], Chiles, R. M., & Yang, Y. (2024). "Sustainability Outcomes and Policy Implications: Evaluating China's 'Old Urban Neighborhood Renewal' Experiment," *CELA 2024 Annual Conference*, St. Louis, MO. International.
46. Adib, M.[†], & **Wu, H.** (2024). "Understanding the Role of Environmental Education in Residents' Behavioral Change Toward Green Stormwater Infrastructure," *CELA 2024 Annual Conference*, St. Louis, MO. International.

2023 [8]

45. Hadjimichael, A., Bader, M., Hobbs, B., Nicholas, R., **Wu, H.**, & Zaitchik, B. (2023). "Identifying Equitable Adaptation Pathways at Scale: The Baltimore Social-Environmental Collaborative," *2023 Annual Meeting of the Society for Decision Making under Deep Uncertainty (DMDU)*, Delft, The Netherlands. International.
44. Tebyanian, N.[†], Fischbach, J., Lempert, R., Knopman, D., **Wu, H.**, Iulo, L. D., & Keller, K. (2023). "Spatial Decision Making Under Deep Uncertainty (Spatial DMDU): Two Case Studies," *2023 Annual Meeting of the Society for DMDU*, Delft, The Netherlands. International.
43. Adib, M.[†] & **Wu, H.** (2023). "Environmental Education for Stormwater Stewardship," *2023 North American Association for Environmental Education (NAAEE) Annual Conference or Research Symposium*, Virtual. International.
42. Fischer, C.[†], Adhikari, B.[†], McPhillips, L., **Wu, H.**, Gotsch, S., & Clark, S. (2023). "De-icing Salt Transport From the Street Through a Roadside Bioretention Basin," *Novatech 2023*, Lyon, France. International.
41. Wang, X., Wang, R.[†], & **Wu, H.** (2023). "Informing Buffer Zone Planning for Urban Protected Areas Through Public Perceptions: A Case Study of the Shugang-Slender West Lake Scenic and Historic Area, Yangzhou, China," *CELA 2023 Annual Conference*, San Antonio, TX. International.
40. **Wu, H.**, Hoffman, M., & Kelley, K. (2023). "Public Perceptions of Perceived and Actual Value of Ecosystem Benefits of Bioswales," *CELA 2023 Annual Conference*, San Antonio, TX. International.
39. Adib, M.[†] & **Wu, H.** "Evaluating Public Education Modules for Green Stormwater Infrastructure Development," *CELA 2023 Annual Conference*, San Antonio, TX. International.
38. **Wu, H.**, Hendricks, L.[†], Hoffman, M., & Wang, R.[†] (2023). "Bioretention Planting for Multiple Ecosystem Benefits," *CELA 2023 Annual Conference*, San Antonio, TX. International.

2022 [6]

37. Tebyanian, N.[†], Fischbach, J., Lempert, R., Knopman, D., **Wu, H.**, Iulo, L. D., & Keller, K. (2022). "Rhodium-SWMM: An Open-Source Tool for Green Infrastructure Placement Under Deep Uncertainty," *2022 Annual Meeting of the Society for DMDU*, Mexico City, Mexico. International.
36. Yavari, R., McPhillips, L. E., Brent, D., Chaudhary, A. K., Clark, S., Duncan, J., Raj, C., Royer, M., **Wu, H.**, & Grady, C. (2022). "Determination of Suitable Locations for Implementation of Green Stormwater Infrastructures in Lancaster City, PA," *Pennsylvania Stormwater Management Symposium*, Villanova University, Villanova, PA. Regional.

35. McPhillips, L., **Wu, H.**, Rojas, C., Rosenzweig, B., Sauer, J., & Winfrey, B. (2022). "Nature-Based Solutions as Critical Urban Infrastructure for Water Resilience," *Ecological Society of America 2022 Annual Meeting*, Long Beach, CA. International.
34. Tebyanian, N.[†], **Wu, H.**, Iulo, L. D., & Keller, K. (2022). "Uncertainty Considerations in Green Infrastructure Optimization: A Review," *The 23rd Annual International Digital Landscape Architecture (DLA) Conference*, Boston, MA. International.
33. Wang, R.[†] & **Wu, H.** (2022). "Willingness to Engage in Urban Stormwater Management: A Structural Equation Modelling Analysis," *National Extension Energy Summit and National Sustainability Summit (NEES+NSS)*, State College, PA. National.
32. **Wu, H.**, Fischer, C., Clark, S. E., & McPhillips, L. (2022). "Salinity Transport in an Urban Bioretention Basin from De-Icing Salt Applications," *NEES+NSS*, State College, PA. National.

2021 [10]

31. Fischer, C., Clark, S. E., McPhillips, L., **Wu, H.**, & Ryan, S. (2021). "Impact of Precipitation on De-Icing Salt Transport in a Bioretention Basin," *Harrisburg Area Geological Society meeting - A Round-Robin of Local University Student Research Projects*, Harrisburg, PA. Regional.
30. Clark, S. E., Fischer, C., McPhillips, L., & **Wu, H.** (2021). "Salinity Transport in a Bioretention Basin Due to Winter Storm De-Icing Salt Applications," *American Water Resources Association (AWRA) 2021 Virtual Annual Water Resources Conference*. Virtual. International.
29. Wu, M.[†], **Wu, H.**, Li, H., & Liu, Z. (2021). "Simulating Landscape Evolution to Inform Ecological Restoration of Yongding River Beijing Segment under Multiple Scenarios," *Research and Practice of Landscape Architecture from the Perspectives of Multi-disciplinary*, Tianjin University, Tianjin, China. National.
28. Tebyanian, N.[†], **Wu, H.**, & Iulo, L. D. (2021). "Green Infrastructure Placement Under Deep Uncertainty," *The 17th International Conference on Computational Urban Planning and Urban Management (CUPUM)*. Virtual. International.
27. Yavari Bajehbaj, R., McPhillips, L., Brent, D., **Wu, H.**, & Grady, C. (2021). "Decision-Making Framework for Detecting Sweetspots for Green Infrastructure Implementation in the Urban Areas," *The 2021 Environmental & Water Resources Institute (EWRI) Congress*, Milwaukee, WI. International.
26. Wang, R.[†] & **Wu, H.** (2021). "A Survey of Residents' Perception of Ecosystem Benefits of Green Stormwater Infrastructure in Chinese Sponge Cities," *CELA 2021 Annual Conference*. Virtual. International.
25. Tebyanian, N.[†], **Wu, H.**, & Iulo, L. D. (2021). "Application of Many Objective Robust Decision Making (MORDM) Method for Green Infrastructure Planning," *CELA 2021 Annual Conference*. Virtual. International.
24. Adib, M.[†], **Wu, H.**, & Flohr, T. L. (2021). "Evaluating Community Engagement Mechanisms for Green Stormwater Infrastructure Development," *CELA 2021 Annual Conference*. Virtual. International.
23. **Wu, H.**, Smithwick, E.A.H., Zipp, K.Y., et al. (2021). "Perceptions of Prescribed Fires in the Mid-Atlantic, USA," *CELA 2021 Annual Conference*. Virtual. International.
22. Wu, M.[†], **Wu, H.**, Liu, Z., & Li, H. (2021). "Scenario-based River Morphology Simulation for Ecological Restoration of Yongding River in Beijing," *CELA 2021 Annual Conference*. Virtual. International.

2020

21. Adib, M.[†] & **Wu, H.** (2020). "Fostering Community-engaged Green Stormwater Infrastructure through the Use of Web-based Participatory Technologies," *The 21st annual International Digital Landscape Architecture (DLA) Conference*. Virtual. International.
20. Smithwick, E.A.H., Taylor, A.H., Kreye, J., Zipp, K.Y., **Wu, H.**, et al. (2020). "Barriers and

Opportunities for Science-Policy Coordination in Mid-Atlantic Firescapes,” *North America Chapter, International Association of Landscape Ecology Annual Meeting*. Virtual. International.

19. Flohr, T.L., **Wu, H.**, & Tebyanian, N.[†] (2020). “Computationally Assessing Existing and Proposed Ground-nesting Bee Habitat Resiliency,” *CELA 2020 Annual Conference*. (Accepted but canceled due to COVID)
18. Wang, R.[†] & **Wu, H.** (2020). “Exploring the Public Perception of Green Stormwater Infrastructure in Chinese Sponge Cities,” *CELA 2020 Annual Conference*. (Accepted but canceled due to COVID)
17. Weikel, M.[†] & **Wu, H.** (2020). “Framework for Assessing Climate Change Implications of Green Stormwater Infrastructure,” *CELA 2020 Annual Conference*. (Accepted but canceled due to COVID)
16. **Wu, H.**, Smithwick, E.A.H., Zipp, K.Y., et al. (2020). “Perceptions of Managed Fire Implementation in the mid-Atlantic, U.S.A.,” *CELA 2020 Annual Conference*. (Accepted but canceled due to COVID)
15. Wang, X., Gorenflo, L. J., & **Wu, H.** (2020). “The Cultural and Political Ecology of West Lake: Ecosystem Services of an Iconic Cultural Landscape in Eastern China,” *CELA 2020 Annual Conference*. (Accepted but canceled due to COVID)

2019

14. **Wu, H.** & Hall, J.[†] (2019). “Maintenance-friendly Planting Design for Green Stormwater Infrastructure,” *ASCE EWRI Operation and Maintenance of Stormwater Control Measures Conference*, Minneapolis, MN. International.
13. **Wu, H.** & Hall, J.[†] (2019). “Exploring Maintenance-friendly Planting Design for Green Stormwater Infrastructure,” *CELA 2019 Annual Conference*, Sacramento, CA. International.
12. Smithwick, E.A.H., Zipp, K.Y., **Wu, H.**, et al. (2019). “Burning Mismatches in Firescapes of the Mid-Atlantic,” *The 2019 annual meeting of the American Geophysical Union (AGU)*, San Francisco, CA. International.
11. Smithwick, E.A.H., Zipp, K.Y., **Wu, H.**, et al. (2019). “Burning Mismatches in Firescapes of the Mid-Atlantic,” *The sixth Fire in Eastern Oak Forests Conference*, Consortium of Appalachian Fire Managers and Scientists, State College, PA. Regional.
10. Flohr, T. L., **Wu, H.**, & Tebyanian, N.[†] (2019). “Addressing “The Challenge of Place in Time” with Geodesign: Example of Pollinator Habitat Resiliency,” *2019 Pennsylvania-Delaware Chapter of the American Society of Landscape Architects (ASLA) Annual Meeting*, Cranberry, PA. Regional.

2018

9. **Wu, H.** & Silveira, C.[†] (2018). “Improving Environmental Performance Evaluation of Landscapes: One Metric/Project at a Time,” *CELA 2018 Annual Conference*, Blacksburg, VA. International.
8. Smithwick, E.A.H., Zipp, K.Y., **Wu, H.**, et al. (2018). “Firescapes in the Mid-Atlantic: Mismatches between Social Perceptions and Prescribed Fire Use,” *The Association of American Geographers (AAG) 2018 Annual Conference*, New Orleans, LA. International.
7. Smithwick, E.A.H., Zipp, K.Y., **Wu, H.**, et al. (2018). “Public Perceptions of Prescribed Fire in Pennsylvania,” *Pennsylvania Prescribed Fire Council 2018 Annual Meeting*, Williamsport, PA. Regional.
6. Smithwick, E.A.H., Zipp, K.Y., **Wu, H.**, et al. (2018). “Firescapes in the Mid-Atlantic: Mismatches between Social Perceptions and Prescribed Fire Use,” *Spring Technical Meeting of the Eastern States Section of the Combustion Institute*, State College, PA. Regional.

2017

5. **Wu, H.** & Henderson, R. (2017). “Beijing’s Natural History,” *CELA 2017 Annual Conference*. Beijing, China. International.

2011-2016

4. **Wu, H.** (2016). “Protect Stream Ecosystem Health with Integrated Stormwater Management in the Context of Urbanization and Climate Change,” *2016 International Low Impact Development (LID) Conference*. Beijing, China. International.
3. [Workshop] Lenth, J., Hinman, C., & **Wu, H.** (2016). “A Statewide Low Impact Development Training and Certificate Program for Washington State, USA, and the Potential for Its Adaptation in China.” *2016 International LID Conference*. Beijing, China. International.
2. Han, Y., Zhang, L., **Wu, H.**, & Hu, J. (2011). “A Wetland Park Planning Directed by Bird Habitat Requirements—Case Study of the Core Area Planning of Lotus Lake National Wetland Park in Tieling, China.” *2011 International Federation of Landscape Architects Asia-Pacific Regional (IFLA-APR) Congress*, Bangkok, Thailand. International.
1. Han, Y., Zhang, L., **Wu, H.**, & Hu, J. (2011). “The Role of Research in Landscape Planning and Design - Case Study of the Lotus Lake National Wetland Park in Tieling, China.” *CELA 2011 Annual Conference*, Los Angeles, LA. International.

OTHER NON-REFEREED PRESENTATIONS

6. Hadjimichael, A., Cameron, M., Eyni, A., Hobbs, B., Iulo, L., Minor-Terrell, D., Richardson, A., Spangler, A., Welty, C., **Wu, H.**, & Zaitchik, B. (2026). “Coupling Earth, Energy, and Human Systems for Urban Resilience: Lessons from the Baltimore Social-Environmental Collaborative.” *American Geophysical Union 2026 Annual Meeting*, San Francisco, CA. International.
5. **Wu, H.** (2026). “Green Infrastructure in Action: Optimizing the Multifunctional Benefits of Nature-Based Solutions,” *Cultivation: College of Arts and Architecture Sustainability Symposium*, University Park, PA.
4. Sullivan, M., Henkin, N., Turack, J., Wulforst, P., Falcone, L., Fogle, N., Nandy, S.[†], & **Wu, H.** (2022). “Intergenerational Placemaking & Placekeeping,” *Intergenerational Approaches for Living, Learning, and Growing in Pennsylvania*, State College, PA. Regional. (Workshop)
3. **Wu, H.** (2017). “Resilient Urban Waters: Integrating Research and Design,” 2017 Association of Pacific Rim Universities (APRU) Sustainable Cities and Landscapes Conference, Portland, OR.
2. **Wu, H.** (2017). “Landscape Performance: One Project at a Time,” *Penn State Ecology + Design Inaugural Symposium*, University Park, PA. National.
1. **Wu, H.** (2017). “How Urbanization and Climate Change Interactively Affect Natural Streamflow Regimes,” *Catalyzing Interdisciplinary Research at the Frontiers of Human Ecological Dynamics*, Center for Human Ecology at Penn State.

POSTERS

31. Dong, Y.[†] & **Wu, H.** (2026). “Spatially Explicit Multi-objective Optimization of Green Stormwater Infrastructure with Coupled Hydrological and Ecosystem Service Models,” *American Geophysical Union 2026 Annual Meeting*, San Francisco, CA. International. (Refereed)
32. Wan, M.[†], Esperon-Rodriguez, M., Sonti, N., Locke, D., Avolio, M., & **Wu, H.** (2026). “A Spatial Framework for Assessing Climate Risk to Urban Forests and Socioeconomic Implications for Communities in Baltimore City,” *Baltimore Social-Environmental Collaborative 2026 Annual Science Meeting*, Baltimore, MD. Regional. (Invited)
30. Dong, Y.[†] & **Wu, H.** (2026). “Effects of Nature-based Solution Configurations on Indoor Energy and Outdoor Comfort in Rowhouse Neighborhoods: An Integrated Microclimate-Energy Simulation Approach,” *European Geoscience Union (EGU) General Assembly 2026*, Vienna, Austria. International. (Refereed)

29. Mombeini, P.[†] & **Wu, H.** (2025). “Exploring Economic, Mental Health, and Physical Well-being Impacts of Pluvial Flooding in Underserved Baltimore,” *2025 Penn State Stuckeman School Research Open House*. (Invited)
28. Dong, Y.[†], Yu, M., & **Wu, H.** (2025). “A Spatially Explicit Deep Learning Model for PM_{2.5} Rapid Prediction to Enhance Urban Green Infrastructure Decision-Making: A Case Study in California,” *2025 Penn State Stuckeman School Research Open House*. (Invited)
27. Dong, Y.[†], Yu, M., & **Wu, H.** (2025). “A Spatially Explicit Deep Learning Model for PM_{2.5} Rapid Prediction to Enhance Urban Green Infrastructure Decision-Making: A Case Study in California,” *2025 Penn State Institute for Computational and Data Sciences (ICDS) Symposium*. (Refereed)
26. Dong, Y.[†], Liu, A., & **Wu, H.** (2025). “Biodiversity-Informed Spatial Decision-Making through Multi-Objective Optimization: A Systematic Review,” *2025 Ecological Society of America (ESA) Annual Meeting*, Baltimore, MD. International. (Refereed)
24. Iulo, L. D., **Wu, H.**, Azari, R., Adib, M.[†], Tariq, T.[†], & Kj, A. (2023). “The Baltimore Social-Environmental Collaborative (BSEC),” *Penn State Stuckeman School Research Symposium & Open House*. (Invited)
23. Pu, B.[†], Xu, X., & **Wu, H.** “Study on the Mechanism of Acoustic Difference Based on Acoustic Index,” *CELA 2023 Annual Conference, San Antonio, TX*. International. (Refereed)
22. Adib, M.[†] & Wu, H. (2023). “Environmental Education for Stormwater Stewardship,” *2023 Penn State Graduate Exhibition*. (Invited)
21. Iulo, L. D., **Wu, H.**, Azari, R., Adib, M.[†], Tariq, T.[†], & Kj, A. (2023). “The Baltimore Social-Environmental Collaborative (BSEC),” *Penn State Climate Solutions Symposium 2023*, University Park, PA. (Invited)
20. Flohr, T. L., Garcia, L., **Wu, H.**, Adib, M.[†], Lindemann, J., Hoffman, M., & Richardson, L. (2023). “Simulating Future Urban Forest Scenarios Impact on Mitigating Mean Radiant Temperature,” *Penn State Stuckeman School Research Symposium & Open House*. (Invited)
19. Adib, M.[†], **Wu, H.**, & Flohr, T. L. (2022). “Towards Community-engaged Green Stormwater Infrastructure: Methods Evaluation and Recommendations for Enhancements,” *National Extension Energy Summit and National Sustainability Summit (NEES+NSS)*, State College, PA. National. (Refereed)
18. Adib, M.[†], **Wu, H.**, Flohr, T. L., Echols, S., & Cruz, S. (2022). “Environmental Education for Stormwater Stewardship,” *Penn State Stuckeman School Research Symposium & Open House*. (Invited)
17. Fischer, C., Clark, S., McPhillips, L., **Wu, H.**, & Gotsch, S. (2022). “Salt Transport in a Bioretention Basin after Roadway De-icing Applications,” *Pennsylvania Stormwater Management Symposium*, Villanova University, Villanova, PA. Regional. (Refereed)
16. Nandy, S.[†] & **Wu, H.** (2022). “Play to Live Longer,” *Intergenerational Approaches for Living, Learning, and Growing in Pennsylvania*, State College, PA. Regional. (Refereed)
15. Roy, S.[†], McPhillips, L., & **Wu, H.** (2021). “Carbon Sequestration and Greenhouse Gas Emissions in Urban Green Infrastructure,” *CELA 2021 Annual Conference*. Virtual. International. (Refereed)
14. Hendricks, L.[†] & **Wu, H.** (2021). “Investigating the Barriers to Effective Implementation of Phytoremediating Plants in Bioretention Systems,” *CELA 2021 Annual Conference*. Virtual. International. (Refereed)
13. Tebyanian, N.[†], Iulo, L.D., & **Wu, H.** (2021). “A Method for Green Infrastructure Placement under Deep Uncertainty,” *Penn State Stuckeman School Research Open House*. (Invited)
12. Hendricks, L.[†] & **Wu, H.** (2021). “Bioretention Landscape Design for Pollutant Removal,” *Penn State Stuckeman School Research Open House*. (Invited)

11. Adib, M.[†], **Wu, H.**, Flohr, T.L., & Kelsey, T.W. (2021). "Evaluating Community Engagement Mechanisms for Green Stormwater Infrastructure Development," *Penn State Stuckeman School Research Open House*. (Invited)
10. **Wu, H.** (2021). "Penn State Stormwater Living Lab: A Multi-disciplinary Initiative to Shape Penn State into a National Green Stormwater Infrastructure Leader," *Penn State Stuckeman School Research Open House*. (Invited)
9. Wang, R.[†] & **Wu, H.** (2021). "Public Perception of Ecosystem Benefits of Green Stormwater Infrastructure: A Case Study in Chinese Sponge Cities," *Penn State Stuckeman School Research Open House*. (Invited)
8. Wei, S.[†] & **Wu, H.** (2020). "Enhancing the Quality of Life for Factory Workers in China through Landscape Design," *CELA 2020 Annual Conference*. (Accepted but canceled due to COVID)
7. Yang, J.[†] & **Wu, H.** (2020). "Stormwater Design Toolbox for Managing Interchange Runoff in Beijing, China," *CELA 2020 Annual Conference*. (Accepted but canceled due to COVID)
6. Flohr, T.L., Miller, D.A., **Wu, H.**, & Tebyanian, N.[†] (2020). "Assessing Pollinator Habitat Resiliency," *2020 Stuckeman Center for Design Computing (SCDC) Flash Symposium*. Virtual. (Invited)
5. Roy, S.[†], McPhillips, L., & **Wu, H.** (2020). "Carbon Sequestration and Greenhouse Gas Emissions in Urban Green Infrastructure," *Research Experiences for Undergraduates (REU) Poster Symposium*, Penn State Drawdown. Virtual. International. (Invited)
4. Flohr, T.L., Miller, D.A., **Wu, H.**, & Tebyanian, N.[†] (2019). "Computationally Assessing Pollinator Habitat Resiliency," *2019 Stuckeman Center for Design Computing (SCDC) Flash Symposium*. (Invited)
3. Weikel, M.[†] & **Wu, H.** (2019). "Framework for Assessing Climate Change Implications of Green Stormwater Infrastructure," *Research to Action: The Science of Drawdown*, Project Drawdown & Penn State University. International. (Invited)
2. Weikel, M.[†] & **Wu, H.** (2019). "Framework for Assessing Climate Change Implications of Green Stormwater Infrastructure," *Research Experiences for Undergraduates (REU) Poster Symposium*, Penn State Drawdown. National. (Invited)
1. **Wu, H.**, Zou, Y., Liu, L., & Jiang, S. (2016). "Designing Rain Gardens in North China: Lessons Learned from Pilot Projects," 2016 International LID Conference, Beijing, China. International. (Refereed)

TEACHING AND MENTORING

COURSES TAUGHT

PENN STATE

Course Name	Year(s)	Average Student Rating
LARCH 235/231, Design Implementation – Grading	2017–present	4.51/5
LARCH 336/838/431, Design Implementation – Stormwater Management	2016–present	4.42/5
LARCH 216/816/311/530, Landscape Systems Studio	2016–2022	4.56/5
LARCH 321/510, Landscape Systems Seminar	2016–2022	4.39/5
LARCH 112, Introductory Landscape Design Studio	2016	4.57/5
LARCH 424/510, Natural History of Cities	2015	
LARCH 501, Research Design in Landscape Architecture	2015	

UNIVERSITY OF OREGON (Graduate Teaching Fellow)

PPPM 199, Sustainable Urban Development in China	2013
LA 410/510, Climate Change Planning & Design	2009–2011
LA 408/508, Ecological Design Studio	2008

STUDENT MENTORING SUMMARY

	Total	Advisor /Co-advisor	Committee Member /Reader
PhD students	17	7	10
MS/MLA students	13	6	7
Undergrad Honors/REU students	5	4	1
Visiting scholars/PhD students	9		

STUDENT ADVISEE HONORS & AWARDS

17. Dong, Y. (2026). “Optimal Tree Configurations for Thermal Comfort and Energy Efficiency: A Case Study in Baltimore,” Penn State Stuckeman Alma Heinz and August Louis Pohland Graduate Fellowship, \$2,500. (Wu as Ph.D. Committee Chair)
16. Dong, Y. (2026). “A Spatially Explicit Decision Support Tool for Green Stormwater Infrastructure,” College of Arts & Architecture Graduate Student Research Support Fund, \$4,000. (Ph.D. Committee Chair)
15. Dong, Y. (2025). *2025/2026 Rising Researcher*, Penn State Institute for Computational and Data Sciences. (Ph.D. Committee Chair)
14. Dong, Y. (2025). *Sustainability Graduate Student Fellow*, Penn State College of Arts and Architecture. (Ph.D. Committee Chair)
13. Adib, M. (2025). “Environmental Education for Stormwater Stewardship,” ***Penn State Alumni Association Dissertation Award 2024–25*** (highest university-level honor for Penn State doctoral students). (Ph.D. Committee Chair)
12. Dong, Y. (2024). Team Project. “Longquanwan Resilient Development Plan: The Final Defense of Riverside Villages, Beijing,” *Outstanding Award, Analysis & Planning category*, 2024 International Federation of Landscape Architects (IFLA) Africa Asia Pacific Middle East (AAPME) Awards. (Ph.D. Committee Chair)
11. Dong, Y. (2024). Team Project. “Full-Cycle Water-Sensitive Design: Rose Scientific Research & Industrial Park in Nanyang, China,” *Award of Excellence, Flood & Water Management category*, 2024 IFLA AAPME Awards. (Ph.D. Committee Chair)
10. Adib, M. (2024). *Sustainability Graduate Student Fellow*, Penn State College of Arts and Architecture. (Ph.D. Committee Chair)
9. Dong, Y. (2023). University Graduate Fellowship, Penn State. (Ph.D. Committee Chair)
8. Wang, R. (2023). “Public Perceptions, Ecosystem Benefits, and Sustainability: Green Stormwater Infrastructure Development in Chinese Sponge Cities,” ***Penn State Alumni Association Dissertation Award 2022–23***. (Ph.D. Committee Chair)
7. Stewart, G. (2023). *Creative Achievement Award*, Penn State College of Arts & Architecture. (Undergraduate Honors Thesis Adviser)
6. Adib, M. (2022). “Environmental Education for Stormwater Stewardship,” *Penn State Stuckeman Alma Heinz and August Louis Pohland Graduate Fellowship*. (Ph.D. Committee Chair)
5. Tebyanian, N. (2022). “Uncertainty Considerations in Green Infrastructure Optimization: A

Review,” *Journal of Digital Landscape Architecture (JoDLA) 2022 Scientific Excellence Award*. (Ph.D. Committee Co-chair)

4. Tebyanian, N. (2020). “Application of Machine Learning for Urban Landscape Design: A Primer for Landscape Architects.” *JoDLA 2020 Scientific Merit Award*. (Ph.D. Committee Co-chair)
3. Silveira, C. (2019). “A Systemic Approach for Integrative Design of Buildings and Landscapes: Towards Ecosystem Services Provision in Urban Areas.” *Honorable Mention, Architectural Research Centers Consortium (ARCC) Dissertation Awards*. (Ph.D. Committee Member)
2. Wang, R. (2019). “Evaluating the Public Perception and the Social Benefits of Green Infrastructure based on Chinese Sponge City Development,” *Penn State Stuckeman Alma Heinz and August Louis Pohland Graduate Fellowship*. (Ph.D. Committee Chair)
1. Zhou, T. (2018). “‘Newport on the Levee 2.0’, Ohio River City Flooding and Waterfront Redesign Study,” *ASLA PA-DE Chapter Student Analysis and Planning Category Merit Award*. (Undergraduate Honors Thesis Reader)

GRADUATE STUDENT ADVISING

PHD DISSERTATION CHAIR/ CO-CHAIR

GRADUATED

1. Adib, M., Ph.D. (Architecture, with Landscape Architecture focus). (Aug. 2021–Aug. 2025). “Environmental Education for Stormwater Stewardship.” (**Started in Aug. 2025 as Tenure-track Assistant Professor** of Landscape Architecture, School of Planning, Design and Construction, Michigan State University)
2. Wang, R., Ph.D. (Architecture, with Landscape Architecture focus). (Jan. 2019–Aug. 2023). “Public Perceptions, Ecosystem Benefit, and Sustainability: Green Stormwater Infrastructure Development in Chinese Sponge Cities.” (**Started in Sep. 2023 as Tenure-track Assistant Professor**, School of Art and Design, Wuhan University of Technology, China)
3. Tebyanian, N., Ph.D. (Architecture, with Landscape Architecture focus). (Oct. 2019–May 2022). “Green Infrastructure Placement under Deep Uncertainty.” (**Started in Sep. 2022 as Decision Scientist**, The Water Institute)

CURRENT

4. Liu, Y. (Architecture, with Landscape Architecture focus). (Aug. 2026–present).
5. Wan, M. (Architecture, with Landscape Architecture focus). (Aug. 2024–present). “Risk, Resilience, and Policy Design for Urban Forests in a Changing Climate.”
6. Dong, Y., Ph.D. Candidate (Architecture, with Landscape Architecture focus). (Aug. 2023–present). “Strategic Spatial Optimization of Green Infrastructure under Uncertainty: Spatially Explicit Multi-Objective Optimization and Post-Pareto Insights on Spatial Patterns for Multifunctionality.”
7. Zhou, Y., Ph.D. Candidate (Architecture, with Landscape Architecture focus). (Aug. 2023–present). “Mechanistic Understanding, Predictive Modeling, and Decision-Support Frameworks for PAHs Pollution Mitigation in Urban Runoff.”

PHD DISSERTATION COMMITTEE MEMBER

GRADUATED

1. Chavda, D., Ph.D. (Civil and Environmental Engineering). (Mar. 2024–Aug. 2026). “Stay, Adapt, or Retreat? An Integrated Risk and Life Cycle Assessment Framework for Flood Resilience.”
2. Tariq, T., Ph.D. (Architecture, with Landscape Architecture focus). (Aug. 2023–Aug. 2026). “A Decision-Making Framework for Bridging Computational Models and Community Voices to

Improve Outdoor Thermal Comfort: A Case Study for Selecting Urban Heat Island Mitigation Strategies in a Baltimore Neighborhood.”

3. Yang, N., Ph.D. (Architecture, with Landscape Architecture focus). (Apr. 2022–Aug. 2026). “The Lived Experience of Rural E-Commerce in China: A Place-Based Inquiry into Socio-Spatial Transformations of Dinglou Village.”
4. Goldberg, L., Ph.D. (Architecture, with Landscape Architecture focus). (Sep. 2017–May 2024). “Visual and Cultural Resource Conservation at the Landscape Scale.”
5. Adhikari, B., Ph.D. (Civil and Environmental Engineering). (Aug. 2021–Aug. 2023). “Field Evaluation of Hydrological and Pollutant Retention Performance of Green Stormwater Infrastructures.”
6. Silveira, C., Ph.D. (Architecture). (Aug. 2016–May 2018). “A Systemic Approach for Integrative Design of Buildings and Landscapes: Towards Ecosystem Services Provision in Urban Areas.”

CURRENT

7. Gupta, B. (Civil Engineering). (Oct. 2025–present). “Local Governance and the Adoption of Sustainable Infrastructure in U.S. Municipalities: Beyond Compliance and Feasibility.”
8. Riadi, S. J. (Geography). (Sep. 2024–present). “Characterizing, Predicting, and Detecting Wildfire Progression in the Wildland-Urban Interface (WUI) Using GeoAI.”
9. Prince, N. E. (Meteorology and Atmospheric Science). (May 2025–present). “Chesapeake Bay Breezes and Baltimore.”
10. Rezvan, M., Ph.D. Candidate (Architecture, with Landscape Architecture focus). (Mar. 2025–present). “Creating Predictive Computer Simulation Protocol to Optimize Physical Pollutant Capture in the Design of Green Stormwater Infrastructure.”

MS THESIS COMMITTEE CHAIR

1. Adib, M., MS. (Landscape Architecture). (Sep. 2019–Jul. 2021). “Evaluating Traditional and Web-based Community Engagement Mechanisms for Green Stormwater Infrastructure Development: Perspectives from Administrators, Practitioners, and Researchers.”

MS THESIS COMMITTEE MEMBER

2. Gilpatrick, T., M.Sc. (Horticulture). (Jun. 2020–present). “Biofiltration Capacity of Landscape Ornamentals in Bioswale Mesocosms Subjected to a Pennsylvania Watering Regime.”
3. Campbell, N., M.Sc. (Landscape Architecture). (Feb. 2022–May 2022). “A Design Intervention Opportunity for an Application of Artful Rainwater Design within Theme Park Design.”
4. Mattlin, J., M.Sc. (Horticulture). (Jun. 2020–Jul. 2021). “Assessing Nitrogen Removal Efficacy in Planted Bioretention Mesocosms Subjected to Variable Stormwater Inflow.”

MLA CAPSTONE CHAIR

5. Mombeini, P., MLA. (Landscape Architecture). (May 2024–Dec. 2025). “Mitigating the Economic, Mental, and Physical Human Health Impacts of Pluvial Flooding in Baltimore’s Underserved Communities.”
6. Hendricks, L., MLA. (Landscape Architecture). (Nov. 2019–May 2021). “Bioretention Landscape Design for Pollutant Removal.”
7. Tang, J., MLA. (Landscape Architecture). (Feb. 2018–Dec. 2019). “Landscape Design for Environmental Awareness: Case Study of No.1 High School, Qian’an, China.”
8. Yang, J., MLA. (Landscape Architecture). (Aug. 2018–May 2019). “Stormwater Design Toolbox for Mitigating Underpass Flooding in Beijing.”

9. He, S., MLA. (Landscape Architecture). (Aug. 2016–May 2017). “The Explorative and Revelatory Landscape Planning & Design of New York’s Most Mysterious Landfill: The Dead Horse Bay.”

MLA CAPSTONE READER

10. Nandy, S., MLA. (Landscape Architecture). (May 2022–Dec. 2023). “Design of the Children’s Garden at the Penn State Arboretum and its Contribution to Child Development.”
11. Zhang, Y., MLA. (Landscape Architecture). (Dec. 2019–Aug. 2021). “Green Play Infrastructure: [Re]Connecting Children with Nature in Underserved Urban Neighborhoods.”
12. Rummier, L., MLA. (Landscape Architecture). (Sep. 2019–May 2020). “Visualizing Change Scenarios for Flood Buyout Properties in Conway, South Carolina.”
13. Hu, Y., MLA. (Landscape Architecture). (May 2019–May 2020). “Interactive Landscape Guideline Design.”

UNDERGRADUATE STUDENT ADVISING

UNDERGRADUATE HONORS THESIS ADVISOR

1. Stewart, G., BLA. (Landscape Architecture). (Nov. 2021–Nov. 2023). “Improving America’s Corporate Landscapes Through Thoughtful Landscape Architecture and Land Planning.”
2. Wei, S., BLA. (Landscape Architecture). (Jan. 2018–May 2019). “Enhancing the Quality of Life for Factory Workers in China through Landscape Design.”

UNDERGRADUATE HONORS THESIS READER

3. Zhou, T., BLA. (Landscape Architecture). (Jan. 2018–May 2018). “‘Newport on the Levee 2.0’, Ohio River City Flooding and Waterfront Redesign Study.”

MENTOR FOR UNDERGRADUATE RESEARCH SCHOLARS

4. Roy, S., Drawdown REU Scholar (Middlebury College; Summer 2020).
5. Weikel, M., Drawdown REU Scholar (New York University; Summer 2019).

SERVICE AND LEADERSHIP

EDITORIAL AND SCHOLARLY LEADERSHIP

- **Associate Editor**, *Journal of Sustainable Water in the Built Environment* (2026–2029)
- **Associate Editor**, *Studies in the History of Gardens and Designed Landscapes* (the premier international journal in landscape and garden history) (2025–Present)
 Manage peer review and editorial workflow. Support the Editor-in-Chief in shaping editorial priorities and special issue planning, with emphasis on advancing research on Chinese and cross-cultural landscape histories.
- **Editorial Advisory Board Member**, *Studies in the History of Gardens and Designed Landscapes* (2019–Present)

Advise on the journal's strategic direction, recommending themes that enhance its international relevance and scholarly impact.

- **Special Issue Editor**, Land, "Sustainable Urban Space Development Based on Green Urbanism Principles," (2025–2026)
- **Special Issue Editor**, Studies in the History of Gardens and Designed Landscapes (2023)

Led the development of a landmark special issue on "Chinese Gardens and Landscapes" (<https://www.tandfonline.com/toc/tgah20/43/4>), bringing together leading scholars to advance global understanding of Chinese landscape history and its cross-cultural exchanges.

- **Co-Editor**, Landscape Research Record, Vols. 9–13 (2020–2025)

Oversaw peer review and publication of **five** CELA conference proceedings volumes, ensuring publication quality and consistency. (<https://thecela.org/landscape-research-record/>)

PEER REVIEW AND EXTERNAL EVALUATION

EXTERNAL GRANT REVIEWER

- **Legislative-Citizen Commission on Minnesota Resources (LCCMR)** – 2027 Environment and Natural Resources Trust Fund
- **National Science Foundation (NSF)** – Directorate for Computer & Information Science & Engineering (CISE)
- **National Science Foundation (NSF)** – Smart and Connected Communities Integrative Research Grant Program (2025)
- **Chesapeake Bay Trust** – Green Streets, Green Jobs, Green Towns Grant Program (2024; 2025)
- **Illinois Water Resources Center** – Annual Small Grants Program (2019)

INTERNAL GRANT REVIEWER

- **Penn State Institute of Energy and the Environment (IEE)** – 2026 Seed Grant Program
- **Penn State College of Arts and Architecture** – 2025–26 Faculty Research Grant

MANUSCRIPT/ABSTRACT REVIEWER

Academic Journals:

Nature Cities

Landscape and Urban Planning

Journal of Environmental Management

Urban Forestry & Urban Greening

Urban Climate

Habitat International

AMBIO

Building and Environment

Landscape Journal

Landscape Research

Studies in the History of Gardens &

Designed Landscapes

Society & Natural Resources

PNAS Nexus

Journal of Sustainable Water in the Built Environment

International Journal of Environmental Research and Public Health

Environmental Monitoring and Assessment

Sustainability

Urban Design International

Modern Urban Research

South Architecture 《南方建筑》

Landscape Architecture 《风景园林》

Conference Abstracts/Proceedings:

Landscape Research Record

CELA annual conference abstracts

Book Chapters:

Research Companion to Urban Water Management (2026)

Routledge Handbook of Sustainable Cities and Landscapes in the Pacific Rim (2021)

Doctoral Dissertations:

Doctor of Philosophy in Forestry Dissertation, The University of British Columbia (2026)

OTHER SCHOLARLY REVIEW SERVICE

Landscape Architecture Foundation Landscape Performance Series Case Study Briefs (2019, 2021, 2022)

ACADEMIC AND PROFESSIONAL SERVICE

INTERNATIONAL

- **Vice President for Research & Creative Scholarship**, CELA (2026–Present)

Leading CELA’s research agenda, overseeing conference review and publication processes, and advancing the generation, dissemination, and impact of landscape architecture scholarship.

- **Track Co-Chair**, CELA Geo-spatial and Digital Analytics Track (2019–2025)

Led the organization and review process for one of CELA’s major technical tracks, strengthening the presence of data-driven design research within the discipline.

UNIVERSITY

- **Co-Chair (elected)**, Penn State Water Council (2021–2023)

Led an interdisciplinary council advancing water research, education, and outreach across the university. Guided strategic initiatives on water sustainability, facilitated large interdisciplinary grant proposal development, and organized university-wide events engaging water faculty, students, and external partners.

- **Council Member**, Penn State Water Council (2019–2021; 2023–2024)

Participated in biweekly council meetings to help shape the direction and priorities of university-wide water initiatives, integrating research, teaching, and outreach on water sustainability.

- **Steering Committee**, Water Research and Education at Penn State (2017–2019)

Participated in working group meetings that shaped the university’s strategic vision for water-related research and education, contributing to the formation of the Penn State Water Council.

- **Faculty Search Committee External Member**, Department of Ecosystem Sciences and Management (2025)

- **Faculty Mentor**, Penn State New Faculty Network (2024).

- **Reviewer**, NSF Research Experiences for Undergraduates (REU) in Climate Science Applications

(2024)

- **Member**, Faculty Learning Community: Engaging International Students for Success (2019–2020)
- **Steering Committee**, Center for Landscape Dynamics (CLD) (2017–Present)

Advance CLD’s mission to promote scholarship and training in landscape science by shaping research priorities, fostering collaborations, reviewing student awards, and supporting grant development and outreach events.
- **Steering Committee**, Center for Human Ecology (2017–2019)

COLLEGE/STUCKEMAN SCHOOL

- **Member**, College Research and Creative Activity Committee (2025–2027)

Review faculty research grant proposals and provide recommendations to support innovative scholarship and creative work across the College.
- **Member**, Stuckeman School Graduate Research Programs Committee (2024–Present)

Contribute to shaping program directions and revisions, and review student scholarship and award applications to support graduate research excellence.
- **Member**, PhD Affairs Committee (2024–2026)

Support PhD program development, review policies and student progress, and promote high-quality doctoral research and mentorship.
- **Member**, Stuckeman School Facilities Committee (2024–2025)
- **Member**, Hamer Center for Community Design Advisory Committee (2021–2023)
- **Research Group Lead**, Sustainability Council (2020–2023)

Organized research-focused gatherings and facilitated discussions on strategies to advance interdisciplinary sustainability research across the College.
- **Steering Committee**, Ecology + Design (E+D) Center (2017–Present)

Advance the Center’s mission by contributing to strategic initiatives, grant proposals, and interdisciplinary collaborations.
- **Member**, Career Day Organizing Committee (2016–2018)

DEPARTMENT

- **Professor-in-Charge of Graduate Studies** (2026–Present)
- **Chair**, PhD Affairs Committee (2026–Present)
- **Chair**, Graduate Affairs Committee (2026–Present)
- **Member**, Departmental Promotion & Tenure Committee (2025–Present)

Review promotion and tenure dossiers for the departments of Landscape Architecture and Graphic Design, evaluating research, teaching, and service contributions and ensuring fair and rigorous assessment of candidates.
- **International Student Advisor**, Department of Landscape Architecture (2016–2023; 2025–Present)

Advise international students on academic, professional, and personal matters. Host OPT/CPT training sessions, supervise student internships, organize alumni talks (e.g., on H1B sponsorship)

and social events, provide visa and travel guidance, and meet individually with students during challenging times such as COVID-19.

- **Mentor**, Junior faculty mentor (2022–Present).
- **Member**, Lectures and Exhibitions–Hosting (2025–2026)
- **Member**, Lectures and Exhibitions–Planning (2016–2018; 2024–2025)
- **Member**, Honors Advisor (2024–2025)
- **Member (elected)**, Department Head Advisory Committee (2021–2022)
- **Member**, GeoDesign Program Advisory Committee (2021–2022, 2019–2020)