

Mahbubur R. Meenar

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Education

- Ph.D. Geography and Urban Studies, Temple University, Philadelphia, PA, USA, 2014
Dissertation Title: “*Food Justice in Post-Industrial US Cities: The Role of Nonprofit Organizations*”
- M.U.P. Urban and Regional Planning, University at Buffalo, Buffalo, NY, USA
- B.Arch. Architecture, Bangladesh University of Engineering and Technology, Dhaka, Bangladesh

Experience *(selected)*

- 2022 – Associate Professor, Geography, Planning, and Sustainability, Rowan University, NJ
- 2016 – 2022 Assistant Professor, Geography, Planning, and Sustainability, Rowan University, NJ
- 2003 – 2016 Adjunct Faculty, Planning and Community Development, Temple University, PA
- 2008 – 2016 GIS Assistant Director, Center for Sustainable Communities, Temple University, PA
- 2004 – 2008 Senior GIS Design Specialist, Center for Sustainable Communities, Temple University, PA
- 2002 – 2004 Program Coordinator, Temple University, PA

Professional Certification

GISP (GIS Professional) from the GISCI, Park Ridge, IL, Certificate number: 90324

Ongoing Research Grants and Contracts

Rowan University

- 2022 – 2023 From green to GrEEEn: Utilizing earth science data to analyze greenspace Equity, Exposure, and Experience in environmental justice communities
NASA EEJ Program
Role: PI
Amount: \$100,000
- 2022 – 2023 The EMOGI Project – Emotional Mapping of Green Infrastructure
Rowan University Catalyst Grant
Role: Lead-PI
Amount: \$25,000
- 2020 – 2022 Glassboro Food and Health Equity Project
Robert Wood Johnson Foundation/ New Jersey Health Initiatives
Role: Lead-PI
Award Amount: \$50,000
- 2022 Technical Assistance Mini-Grant: Glassboro Food and Health Equity Project
Illinois Public Health Institute
Role: Solo-PI
Award Amount: \$7,500

Completed Research Grants and Contracts

- 2021 – 2022 Glassboro-Camden Food Equity Collaborative
Healthy Places by Design, TSNE MissionWorks
Role: Lead-PI
Amount: \$15,000

- 2021 – 2022 Three-County Collaborative on Inclusive Community Gardens and Cooking with Fresh Produce, Lead-PI Spencer
Healthy Places by Design, TSNE MissionWorks
Role: Co-PI
Amount: \$15,000
- 2021 – 2022 Inclusive Healthy Communities
New Jersey Division of Disability Services, New Jersey Department of Human Services through a sub-award from Family Resources Network, \$250,000; Lead-PI Spencer
Role: Co-PI
Award Amount: \$75,000
- 2021 – 2022 NJ Map Conservation Blueprint – Camden and Newark
F. M. Kirby Foundation and Public Service Enterprise Group through The Nature Conservancy; Lead-PI Hasse
Role: Investigator
Award Amount: \$55,000
- 2020 – 2023 MRI: Acquisition of an Inductively Coupled Plasma Mass Spectrometer for Multidiscipline Research and Education
National Science Foundation; Lead-PI Yu
Role: Investigator
Award Amount: \$144,389
- 2020 – 2021 New Jersey Underserved Communities Electric Vehicle Affordability Program
New Jersey Board of Public Utilities; Lead-PI Ali
Role: Co-PI
Award Amount: \$94,588
- 2019 – 2021 Watershed Storytelling: Connecting People, Place, and Water
New Jersey Council for the Humanities; Lead-PI Kitson
Role: Co-PI
Award Amount: \$20,000
- 2017 – 2019 Brownfields Area-Wide Plan for Philadelphia’s Lower North Delaware Industrial District
US Environmental Protection Agency (EPA)
Role: Solo-PI
Award Amount: \$174,699
- 2018 – 2019 Green Infrastructure Plan for Camden Waterfront South
Camden County Municipal Utilities Authority
Role: Solo-PI
Award Amount: \$53,175
- 2018 – 2019 Equitable Distribution of Green Stormwater Infrastructure Projects (extension grant)
US EPA Science to Achieve Results (STAR) Program through a sub-award from Temple University; Lead-PI Toran, Temple University, \$995,995
Role: Solo-PI (for the sub-award extension)
Sub-award Amount: \$12,600
- 2018 – 2019 Watershed Storytelling: Experiential Tools for Connecting People, Place and Water
New Jersey Council for the Humanities; Lead-PI Kitson

Role: Co-PI
Award Amount: \$5,000

2018 – 2019 Listen. Record. Play. Equitable Placemaking and Environmental Park Design in Camden through Audio Storytelling; Lead-PI Kitson
Rowan Research Experience for Diversity and Inclusion (REDI) grant
Role: Co-PI
Award Amount: \$5,000

2017 – 2018 Equitable Distribution of Green Stormwater Infrastructure Projects in Philadelphia US EPA Science to Achieve Results (STAR) Program through a sub-award from Temple U.
Role: Solo-PI (for the sub-award)
Sub-award Amount: \$28,420

2017 – 2018 Using Immersive and Multi-Sensory Virtual Reality in Participatory Planning
Rowan University SEED Grant
Role: Solo-PI
Award Amount: \$10,000

2017 – 2018 New Jersey Municipal Asset Profiler (NJMAP) and Watershed Explorer
Geraldine R. Dodge Foundation and F. M. Kirby Foundation; Lead-PI Hasse
Role: Investigator
Award Amount: \$82,000

2016 – 2017 The Montessori School Stormwater Management and Landscape Master Plan
The Montessori School through a sub-award from Partnership for the Delaware Estuary and PA Dept. of Environmental Protection (DEP) Growing Greener Program
Role: Solo-PI
Award Amount: \$14,000

Temple University (selected)

2015 – 2016 Brownfields Area-Wide Plan for Philadelphia's Lower North Delaware Industrial District
US EPA Brownfields Area-Wide Planning Program
Role: Solo-PI
Award Amount: \$25,301

2014 – 2016 Visioning GSI Projects through a Community-Driven Geodesign Process
US EPA Urban Waters Small Grant
Role: Solo-PI
Award Amount: \$60,000

2012 – 2014 Watershed-Based Stormwater Management Plan to Improve Water Quality through
Community Engagement: Ambler Area Watersheds
US EPA Urban Waters Small Grant
Role: Lead-PI
Award Amount: \$60,000

2010 – 2012 Impact Assessment of Projected and Alternative Land Use Development Patterns in
Pennypack Creek Watershed
PA DEP Coastal Zone Management Program
Role: Lead-PI
Award Amount: \$50,000

- 2010 Food Insecurity and Spatial Inequality in Lower-Income Urban Neighborhoods: Analyzing the Role of Community Gardens
PA Dept. of Community and Economic Development (DCED) through a sub-award from Pennsylvania Green Growth Partnership
Role: Solo-PI
Award Amount: \$40,000
- 2007 – 2009 3D GIS Visualization: Fort Washington Office Park Revitalization Project
PA DCED through a sub-award from Pennsylvania Green Growth Partnership
Role: Solo-PI
Award Amount: \$175,000 (two phases)
- 2006 – 2009 Philadelphia Community Food Access: The Need and Access to Hunger Relief Services
Philabundance, PA
Role: Solo-PI
Award Amount: \$104,000 (five phases)
- 2007 Environmental Resources Inventory of Upper Dublin Township, PA
Upper Dublin Township, PA
Role: Solo-PI
Award Amount: \$16,000

Other Honors and Awards (*selected*)

National

- 2022 Runner-up, [Best Environmental Case Study](#), Journal -- *Case Studies in the Environment*
2020 Rising Scholar Award, Association of Collegiate Schools of Planning (ACSP)

Rowan University

- 2022 Faculty Research Fellow, \$1,500, Rowan University Center for Responsible Leadership
2022 Dean's award for student research, \$3,600 for Julia Moseley, undergraduate student
2021 Dean's award for student research, \$1,500 for Hunter Swanson, undergraduate student.
2020 Open Access Publication Fund, \$1,400, for an article in *Land* journal.
2019 Open Access Publication Fund, \$1,743, for an article in *Sustainability* journal.
2019 Dean's award for student research, \$3,300 for Devon Moulton, undergraduate student.
2019 "It's All About Meaningful Employment" grant, \$2,200 for Glassboro Cultural Mapping project (Melanie Stewart—principal applicant).
2018 Dean's award for student research, \$2,200 for Cassie Shugart, undergraduate student.
2017 – 2019 Faculty Fellow, \$2,000. "Cultivating the Environmental Humanities" program, sponsored by the National Endowment of Humanities (PI Howell).
2017 Travel Grant, \$1,500, to attend annual conference of American Association of Geographers.

Temple University

- 2010 Faculty mentor, Teaching, Learning, and Technology Roundtable, \$2,000, Mentees: Drs. Flamm, Malm, and Sorrentino.
2007 Research award, Vice President for Research and Graduate Studies, \$38,000.

Peer-Reviewed Journal Articles (** denotes student or thesis advisee*)

1. **Meenar, M.**, Heckert, M., & Adlakha, D. (2022). "Green enough ain't good enough:" Public perceptions and emotions related to green infrastructure in environmental justice communities. *International Journal of Environmental Research and Public Health*, 19(3), 1448.

2. Alam, A., **Meenar, M.**, Barraza, F., Khalil, M., & Knopp, K. (2022). Citizen engagement on local government Facebook pages: experience from Aotearoa New Zealand. *Cities*, 123 (April), 103584. <https://doi.org/10.1016/j.cities.2022.103584>.
3. Howell, J. P., **Meenar, M.**, Friend, C., Kelly, J., & Feeny, O. (2022). The Pinelands Development Credit program: Using markets to achieve preservation goals. *Case Studies in the Environment*, 5(1): 1546241.
4. **Meenar, M.** & Mandarano, L. (2021). Using photovoice and emotional maps to understand transitional urban neighborhoods. *Cities*, 118, 103353.
5. Kitson, J., Bucknum, M., & **Meenar, M.** (2021). Prompting place: staging hydrophilic encounters. *Social & Cultural Geography*. DOI: <https://doi.org/10.1080/14649365.2021.1965196>
6. Tirri, C.*, Swanson, H.*, & **Meenar, M.** (2021). Finding the “heart” in the green: Conducting a bibliometric analysis to emphasize the need for connecting emotions with biophilic urban planning. *International Journal of Environmental Research and Public Health*, 18(18), 9435.
7. Mennis, J; Li, X; **Meenar, M.**, Coatsworth, D., McKeon, T., & Mason, M. (2021). Residential greenspace and urban adolescent substance use: Exploring interactive effects with peer network health, sex, and executive function. *International Journal of Environmental Research and Public Health*, 18(4), 1611.
8. **Meenar, M.**, Howell, J. P., Moulton, D.*, & Walsh, S.* (2020). Green stormwater infrastructure planning in urban landscapes: Understanding context, appearance, meaning, and perception. *Land*, 9(12), 534.
9. **Meenar, M.** & Kitson, J. (2020). Using multi-sensory and multi-dimensional immersive virtual reality in participatory planning. *Urban Science*, 4(3), 34.
10. **Meenar, M.**, Afzalan, N., & Hajrasouliha, A. (2019). Analyzing Lynch's city imageability in the digital age. *Journal of Planning Education and Research*. Advanced online publication. DOI: <https://doi.org/10.1177/0739456X19844573>
11. **Meenar, M.**, Flamm, B, & Keenan, K. (2019). Mapping the emotional experience of travel to understand cycle-transit user behavior. *Sustainability* (special issue on Sustainable Mobility: Social, Technological and Environmental Issues), 11(17), 4743.
12. **Meenar, M.**, Howell, J. P., & Hachadorian, J.* (2019). Economic, ecological, and equity dimensions of brownfield redevelopment plans for environmental justice communities in the USA. *Local Environment*, 24(9), 901-915.
13. **Meenar, M.** (2019). Integrating placemaking concepts into green stormwater infrastructure design in the City of Philadelphia. *Environmental Practice*, 21(1), 4-19.
14. Ahmed, S.*, **Meenar, M.**, & Alam, A. (2019). Designing a blue-green infrastructure (BGI) network: toward water-sensitive urban growth planning in Dhaka, Bangladesh. *Land* (special issue on Nature-based Solutions (NBS) in Cities), 8(9), 138.
15. Sorrentino, J., **Meenar, M.**, & Wargo, D. (2019). Residential land use change in the Wissahickon Creek Watershed: profitability and sustainability? *Sustainability*, 11(21), 5933.
16. Christman, Z., **Meenar, M.**, Mandarano, L., & Hearing, K.* (2018). Prioritizing suitable locations for green stormwater infrastructure based on social factors in Philadelphia. *Land* (special issue on Landscape Urbanism and Green Infrastructure), 7(4), 145.
17. **Meenar, M.**, Fromuth, R., & Soro, M. (2018). Planning for watershed-wide flood-mitigation and stormwater management using an environmental justice framework. *Environmental Practice*, 20(2-3), 55-67.
18. Ahmed, S. & **Meenar, M.** (2018). Just sustainability in the global south: A case study of the megacity of Dhaka. *Journal of Developing Societies*, 34(4), 401-424.
19. **Meenar, M.**, Morales, A., & Bonarek, L.* (2017). Regulatory practices of organized urban agriculture: connection to planning and policy. *Journal of American Planning Association*, 83(4), 389-403.
20. **Meenar, M.** (2017). Using participatory and mixed-methods approaches in GIS to develop a Place-Based Food Insecurity and Vulnerability Index. *Environment & Planning A*, 49(5), 1181–1205.
21. **Meenar, M.** (2017). Assessing the spatial connection between urban agriculture and equity. *Built Environment* (special issue Planning for Equitable Urban & Regional Food Systems), 43(3), 364–375.

22. Mandarano, L. & **Meenar, M.** (2017). Equitable distribution of green stormwater infrastructure: a capacity-based framework for implementation in disadvantaged communities. *Local Environment*, 22(11), 1338-1357.
23. **Meenar, M.** (2015). Nonprofit-driven community capacity building efforts in community food systems. *Journal of Agriculture, Food Systems, and Community Development*, 6(1), 77–94.
24. Mandarano, L., & **Meenar, M.** (2015). E-participation: Comparing trends in practice and the classroom. *Planning Practice and Research*, 30(4), 457–475.
25. Sorrentino, J., **Meenar, M.**, Wargo, D., & Lambert, A.* (2014). Housing location in a Philadelphia metro watershed: Can profitable be green? *Landscape and Urban Planning*, 125, 188–206.
26. Flamm, B., Sutula, K., & **Meenar, M.** (2014). Changes in access to public transportation for cycle-transit users in response to service reductions. *Transport Policy*, 35, 154–161.
27. **Meenar, M.**, & Hoover, B.* (2012). Food security via community gardens: Understanding people, place, economy, and accessibility from food justice perspective. *Journal of Agriculture, Food Systems, and Community Development*, 3(1), 143–160.
28. Mandarano, L., **Meenar, M.**, & Steins, C. (2011). Building social capital in the digital age of civic engagement. *Journal of Planning Literature* (special issue on Communicative Cities), 25(2), 123–135.
29. Sorrentino, J., **Meenar, M.**, & Flamm, B. (2008). Suitable housing placement: a GIS-based approach. *Environmental Management*, 42(5), 803–820.
30. **Meenar, M.** (2006). Using geoinformation technology to develop a vulnerability assessment model in natural disaster-prone areas. *Daffodil International University Journal of Science and Technology*, 1(1), 25–33.

Book Chapters and Encyclopedia Entries (* denotes student)

1. MacCarthy, K.*, Hasse, J., & **Meenar, M.** (2022). Web mapping platforms for community planning and engagement: lessons learned from NJ Map. In Patnaik, S., Sen, S., Ghosh, S. (eds.), *Smart Cities and Smart Communities: Empowering Citizens through Intelligent Technologies* (pp. 205–229). Singapore: Springer. https://link.springer.com/chapter/10.1007/978-981-19-1146-0_11
2. **Meenar, M.** (2014). Gardening and quality of life. In A. C. Michalos (ed.), *Encyclopedia of Quality of Life and Well-Being Research* (pp. 2396–2399). Springer, Dordrecht, Netherlands: Springer.
3. **Meenar, M.** (2012). Feeding the hungry: food insecurity in lower income communities. In N. Reid, J. Gatrell, & P. Ross (eds.), *Local Food Systems in Old Industrial Regions* (pp. 71-91). Surrey, England: Ashgate.
4. **Meenar, M.**, & Sorrentino, J. (2009). Dealing with 3D surface models: Raster and TIN. In H. Karimi (ed.), *Handbook of Research on Geoinformatics* (pp. 73–81). Pennsylvania: IGI Global.
5. **Meenar, M.**, Sorrentino, J., & Yesmin, S. (2009). Coupling GPS and GIS. In H. Karimi (ed.), *Handbook of Research on Geoinformatics* (pp. 277–284). Pennsylvania: IGI Global.
6. **Meenar, M.** (2008). GIS-based simulation and visualization of urban land use change. In L. Liu, & J. Eck (eds.), *Artificial Crime Analysis Systems: Using Computer Simulations and Geographic Information Systems?* (pp. 50–69). Pennsylvania: Idea Publishing.
7. Sorrentino, J., & **Meenar, M.** (2006). Poverty in the United States. In M. Odekon (ed.), *The Encyclopedia of World Poverty* (pp. 1106–1116). California: Sage Publications.

Professional Magazine Articles (* denotes student)

1. **Meenar, M.**, Duffy, J., & Bari, A. (2006). Life on the floodplain: remapping watersheds, neighborhoods, and lives. *Planning*, 72(7), 30–33.
2. **Meenar, M.** (2006). Managing storm water. *ArcUser*, 9(4), 30–31.
3. **Meenar, M.**, & Ambrus, A.* (2006). Three-dimensional models encourage public participation. *ArcUser*, 9(2), 34–37.
4. **Meenar, M.**, Bari, A., & Paulsen, K. (2006). Developing a watershed inventory for vulnerability assessment using ArcGIS. *ArcUser*, 9(1), 20–23.
5. Spinella, S., & **Meenar, M.** (2006). Turning threats into assets: Floodplain management using GIS technology. *International Association of Emergency Managers*, 23(7), 14–6.

Research or Technical Reports *(selected)*

1. **Meenar, M.**, Wren, M., Harris, S., & Moulton, D. (2020). Greening Waterfront South: A Green Infrastructure Plan for Camden's Waterfront South Neighborhood. Glassboro, NJ: Rowan University Community Planning + Visualization Lab. Technical report submitted to Camden County Municipal Utilities Authority.
2. **Meenar et al.** (2019). Brownfields Area-Wide Plan: Lower North Delaware Industrial District, Philadelphia. Glassboro, NJ: Rowan University Community Planning + Visualization Lab. Technical report submitted to U.S. EPA.
3. **Meenar, M.**, Harris, S., & Gladfelter, R. (2017). The Montessori School Stormwater Management and Landscape Master Plan, Technical report submitted to The Montessori School and the Partnership for Delaware Estuary.
4. **Meenar, M.** (2017). Planning for Green Stormwater Infrastructure using Community-Driven Geodesign Process, Research report submitted to U.S. EPA.
5. **Meenar, M.** (Ed.). (2014). Flooding and stormwater management plan for Ambler area watersheds. Research report submitted to U.S. EPA, U.S. Army Corps of Engineers, Ambler Borough, Upper Dublin Township, and Whitpain Township.
6. **Meenar, M.** (2013). A survey of Philadelphia's farmers' market customers. Independent study.
7. **Meenar, M.** (2012). Impact assessment of projected and alternate land use development pattern in Pennypack creek watershed. Research report submitted to PA DEP and NOAA.
8. **Meenar, M.**, & Hoover, B. (2011). Food insecurity and spatial inequality in Philadelphia's lower-income neighborhoods: Analyzing the role of community gardens. Research report submitted to PA DCED.
9. **Meenar, M.** (2008). GIS-based environmental resources inventory. Research report submitted to Upper Dublin Township, Pennsylvania.
10. Sorrentino, J., Featherstone, J., & **Meenar, M.** (2007). Applying the EPA's regional vulnerability assessment (ReVA) approach to the Pennypack creek watershed. Research report submitted to U.S. EPA.
11. **Meenar, M.** (Ed.). (2006). Pennypack creek watershed study. Research report submitted to FEMA and William Penn Foundation.
12. **Meenar, M.**, et. al. (2005). Vulnerability assessment for smaller watersheds: A GIS inventory of the Pennypack creek watershed. Technical report submitted to U.S. EPA.

Blogs and Online Features *(* denotes student)*

1. **Meenar, M.** (2022). Glassboro-Camden collaborative learning on food and health equity. *New Jersey Health Initiatives*. <https://www.njhi.org/submissions/glassboro-camden-collaborative-learning-on-food-and-health-equity>
2. Tirri, C.* & **Meenar, M.** (2021). FYI about GSI: The recipe for green stormwater infrastructure success. *Planetizen*. <https://www.planetizen.com/features/113389-fyi-about-gsi-recipe-green-stormwater-infrastructure-success>
3. **Meenar, M.**, & Swanson, H.* (2020). Smart city community engagement: 4D IVR in city planning process. *Tomorrow Magazine*. <https://www.smartcitylab.com/blog/digital-transformation/virtual-reality-in-city-planning>
4. **Meenar, M.** (2019). Analyzing Lynch's city imageability in the digital age. *Planetizen*. <https://www.planetizen.com/blogs/104375-analyzing-lynchs-city-imageability-digital-age>

Conference Papers and Presentations *(* denotes student)*

Peer-Reviewed Conference Papers

1. **Meenar, M.**, Featherstone, J., & Magaziner, J.* (2015). Addressing flooding issues in an environmental justice community: A complicated and multi-layered case study. 51st *International Society of City and Regional Planners (ISOCARP) Congress*, Amsterdam, Netherlands.

2. **Meenar, M.**, Featherstone, J., & Magaziner, J.* (2014). What makes implementation happen? Can we fool Mother Nature and atone for our past sins? Lessons learned from an urban revitalization plan for a flood prone office park. 50th *International Society of City and Regional Planners (ISOCARP) Congress*, Gdynia, Poland.
3. **Meenar, M.**, Featherstone, J., Mandarano, L., & Olszak, B.* (2013). Effective community engagement tools in watershed plans: Examples from the USA. 49th *International Society of City and Regional Planners (ISOCARP) Congress*, Brisbane, Australia.
4. Flamm, B., Sutula, K., & **Meenar, M.** (2013). Changes in access to public transportation for cycle-transit users in response to service reductions. *Transportation Research Board 92nd Annual Meeting*, Washington, DC.
5. **Meenar, M.**, Featherstone, J., Cahn, A. L., & McCabe, J.* (2012). Urban agriculture in post-industrial landscape: a case for community generated urban design. 48th *International Society of City and Regional Planners (ISOCARP) Congress*, Perm, Russia.
6. **Meenar, M.** (2010). Feeding the hungry. *Local Food Systems in Old Industrial Region Conference* organized by the International Geographical Union's Commission on the Dynamics of Economic Spaces, Toledo, OH.

National/International Conference Presentations

7. 2022: Using community geography and photovoice to understand public perceptions of environmental features in shrinking cities. *Annual Meeting of American Association of Geographers*, Online. (with Tirri, C.* – presenter)
8. 2022: Advancing equitable vehicle electrification in New Jersey: place priorities, problematic perceptions, and people-focused policy. *Annual Meeting of American Association of Geographers*, Online. (with Keenan, K. – presenter)
9. 2021: Understanding city imageability in a multi-sensory and multi-dimensional immersive virtual reality environment. *61st Annual Conference of the Association of Collegiate Schools of Planning*, Online.
10. 2020: Community perceptions and challenges of green stormwater infrastructure planning in urban neighborhoods. *60th Annual Conference of the Association of Collegiate Schools of Planning*, Online. (with Howell, J., Moulton, D.* & Walsh, S.*)
11. 2019: Using photovoice and qualitative geovisualization to map human perceptions and emotions related to the built environment. *59th Annual Conference of the Association of Collegiate Schools of Planning*, Greenville, SC.
12. 2019: 4D storytelling to enhance civic engagement in a participatory planning process. *Annual Meeting of American Association of Geographers*, Washington, DC. (with Kitson, J.)
13. 2018: Using immersive multi-sensory virtual reality in participatory planning. *58th Annual Conference of the Association of Collegiate Schools of Planning*, Buffalo, NY.
14. 2018: Planning and designing green stormwater infrastructure to address climate change: Lessons learned from Philadelphia. *World Congress Climate Change Impacts and Responses*, Rome, Italy.
15. 2018: Spatial connection between green stormwater infrastructure and equity. *Annual Meeting of American Association of Geographers*, New Orleans, LA (with Mandarano, L.)
16. 2017: Participatory planning and design process for brownfields redevelopment. *57th Annual Conference of the Association of Collegiate Schools of Planning*, Denver, CO (with Howell, J.).
17. 2017: Understanding human emotion and perception in Brownfields redevelopment process: use of photovoice and qualitative geovisualization. *Annual Meeting of American Association of Geographers*, Boston, MA.
18. 2016: Visualizing the emotional experience of travel: an application of qualitative GIS and sketch-based content analysis. *56th Annual Conference of the Association of Collegiate Schools of Planning*, Portland, OR (with Flamm, B. & Bonarek, L.*).
19. 2016: Assessment and prioritization of stormwater infrastructure scenarios in flood prone communities: a mixed-methods GIS approach. *Annual Meeting of American Association of Geographers*, San Francisco, CA.

20. 2015: Placemaking via community design: planning for green stormwater infrastructure. *5th Annual International Conference on Urban Studies & Planning*, Athens, Greece.
21. 2015: Assessing Equitable Distribution of Green Stormwater Management Projects in Philadelphia PA. *55th Annual Conference of the Association of Collegiate Schools of Planning*, Houston, TX (with Mandarano, L. – presenter)
22. 2014: An examination of nonprofit-driven community capacity building efforts in community food planning. *54th Annual Conference of the Association of Collegiate Schools of Planning*, Philadelphia, PA.
23. 2014: Inter-organizational spatial networks. *Eighth International Conference on Geographic Information Science*, Vienna, Austria.
24. 2014: An exploratory examination of inter-organizational relationships and spatial networks. *Annual Meeting of American Association of Geographers*, Tampa, FL.
25. 2013: Targeting food insecurity in the Philadelphia metro region. *Biennial Conference of the United States Society for Ecological Economics*, Burlington, VT (with Sorrentino, J. – presenter and Buggé, R.)
26. 2012: Food insecurity and urban agriculture: a GIS-based approach. *Biennial Conference of the International Society for Ecological Economics*, Rio de Janeiro, Brazil (with Sorrentino, J. – presenter)
27. 2012: Developing a GIS-based community food insecurity and vulnerability model: A social ecology perspective. *Annual Meeting of American Association of Geographers*, New York, NY.
28. 2011: Housing placement in a Philadelphia suburb: profitability, sustainability or both? *Biennial Conference of the United States Society for Ecological Economics*, East Lansing, MI (with Lambert, A., Sorrentino, J. – presenter, and Wargo, D.)
29. 2011: Food insecurity and spatial inequality in lower-income urban neighborhoods: analyzing the role of community gardens. *Annual Conference of Urban Affairs Association*, New Orleans, LA.
30. 2010: Impact assessment of alternative land use development patterns in Pennypack creek watershed. *Annual Conference of American Water Resources Association*, Philadelphia, PA (with Fromuth, R., Featherstone, J., and Awda, M.)
31. 2007: Mapping community food access. *Annual Conference of Urban and Regional Information Systems Association*, Washington, D.C.
32. 2007: Rethinking the built environment in natural disaster-prone areas, *Annual Conference of Urban and Regional Information Systems Association*, Washington, D.C. (with Ambrus, A.*)
33. 2006: Natural and built environment GIS inventory. *Annual Conference of American Planning Association*, San Antonio, TX.

Local and Regional Conferences

34. 2022: Food Equity for Low-Income Households and People with Disability. *Rowan University DEI Summit* (with Spencer, L., LoBuono, D., and Harris, S.).
35. 2021: Web Mapping to Support Smart Equitable Cities in Community Planning. *NJ Planning and Redevelopment Conference* (with Hasse, J., Tabbas, A., Nolan, C., Nolte, T., & Glenn, O.).
36. 2018: Brownfields Revitalization & Environmental Justice for All. *PA Brownfields Conference*, Bethlehem, PA (with Goodman, A.).
37. 2018: Using Immersive Virtual Reality in Participatory Spatial Planning. *Rowan University Faculty Research Day*, Glassboro, NJ.
38. 2017: Engaging Your Community in Green Stormwater Planning. *The Watershed Congress along the Schuylkill River*, Pottstown, PA (with Vassalotti, V., Harris, S., & Baumgarten, D.).
39. 2015: Lessons learned from a multi-disciplinary geodesign studio. *ESRI Mid-Atlantic User Conference*, Baltimore, MD.
40. 2011: Remaking the city: From vacant lots to community gardens. *Annual meeting of the Pennsylvania Chapter of American Planning Association*, Scranton, PA (with Heckert, M., Hoover, B., & Rosan, C.).
41. 2011: The edible city? Mapping community food insecurity and urban agriculture. *Annual Pennsylvania GIS Conference*, Grantville, PA (with Popek, M.*).
42. 2009: Philadelphia metro area hunger relief and community food access study. Poster presentation. *Annual meeting of the Pennsylvania Chapter of American Planning Association*, King of Prussia, PA (with Guie, K.*).

43. 2009: Retrofitting suburban office park. Poster presentation at *Build Green Conference*, Philadelphia, PA (with Getty, F.*).
44. 2008: 3D GIS visualization of sustainable urban area redevelopment. Poster presentation at *Pennsylvania Green Growth Partnership Forum*, Hershey, PA (with Walters, A.*).
45. 2007: Pennypack creek watershed study: an interdisciplinary research. *ESRI Mid-Atlantic User Group Conference*, Philadelphia, PA.
46. 2007: A new criterion for designing infiltration basins. *Pennsylvania Stormwater Management Symposium*, Philadelphia, PA (with Boufadel, M., Li, H., Bobo, A., Featherstone, J., and Nalbandian, R.).
47. 2007: Sustainable design with GIS. Poster presentation at *Pennsylvania Green Growth Partnership Forum*, Hershey, PA.
48. 2006: Digital defense against natural disaster: can you see what you can get? *Pennsylvania Chapter of American Planning Association*, Harrisburg, PA.
49. 2006: GIS for green streets and better stormwater management. *Fourteenth Annual Pennsylvania GIS Conference*, Camp Hill, PA.
50. 2005: Visioning communities: the 3D GIS approach. *Geographic Information Systems for Local Government Conference*, State College, PA.
51. 2002: Evaluation of land development scenarios through 3D analyses. *Intergovernmental Technology Conference*, Hershey, PA (with Featherstone, J., Granger, J., and Bari, A.).

ESRI International GIS User Conferences, San Diego, CA

52. 2007: Working in floodplains? A sustainable office park redesign with GIS.
53. 2007: Environment, GIS, and sustainability. Poster presentation.
54. 2004: Growth management plan for Milford Township, PA: suitability analysis and buildout scenarios (with Bari, A. and Sherry, J.*).
55. 2001: Development of a GIS-based model for designing a citywide recreational bikeway network for the City of Buffalo, NY.

Courses Taught

Department of Geography, Planning, and Sustainability, Rowan University

1. **Community Planning and Site Design** (PLAN 31486 and PLAN 31586; cross-listed since 2020). Redeveloped course curriculum in 2017. Undergraduate enrollment: 22 (2021); 9 (2020); 22 (2019); 22 (2018); 23 (2017). Graduate enrollment: 9 (2022); 5 (2021); 2 (2020). 3 credit hours.
2. **Cultural Geography** (GEOG 16110). Online. Undergraduate enrollment: 4 (2022); 15 (2021). 3 credit hours.
3. **Earth, People, and Environment** (GEOG 16100). Online. Undergraduate enrollment: 7 (2021); 15 (2000). 3 credit hours.
4. **Environmental and Sustainability Planning** (PLAN 31389 and PLAN 31589; cross-listed since 2020). Redeveloped course curriculum in 2018. Developed online course curriculum in 2021. Undergraduate enrollment: 22 (2022); 22 (2021); 26 (2020); 24 (2019); 25 (2018). Graduate enrollment: 16 (2022); 3 (2021). 3 credit hours.
5. **Geospatial Research Clinic** (GEOG 16390). Undergraduate enrollment: 22 (spring 2020); 20 (fall 2019); 33 (spring 2019). 3 credit hours.
6. **Geovisualization** (GEOG 16361 and GEOG 16561; cross-listed since 2020). Redeveloped course curriculum in 2016. Developed online course curriculum in 2022. Undergraduate enrollment: 12 (2021); 19 (2020); 22 (2019); 18 (2018); 21 (2017); 22 (2016). Graduate enrollment: 1 (2021); 2 (2020). 3 credit hours.
7. **Introduction to Mapping and Geographic Information Science** (GEOG 16160). Undergraduate enrollment: 12 (2020); 22 (2017). 3 credit hours.
8. **Planning Studio** (PLAN 31495 and PLAN 31695; cross-listed since 2022). Developed course curriculum in 2021. Undergraduate enrollment: 5 (2022); 10 (2021). Graduate enrollment: 3 (2022). 3 credit hours.

9. **Senior Seminar** (GEOG 16490). Undergraduate enrollment: 15 (2021); 8 (2020); 13 (2018). 3 credit hours.

Department of Planning and Community Development, Temple University

10. **Advanced Topics and Techniques in GIS** (CRP 5525). Co-developed course curriculum in 2003, made significant revision in 2015. Graduate enrollment: 10 (2015), 6 (2010), 10 (2009), 11 (2008), 12 (2007), 10 (2006), 7 (2005), 13 (2004), and 9 (2003). 3 credit hours. Co-taught with A. Bari from 2003 to 2005.
11. **Internet and Digital Technologies for Community Engagement** (CRP 3555/8555). Developed course curriculum. Online Course. Graduate and undergraduate enrollments: 8 (2016), 6 (2015), 6 (2014), 7 (2013), 13 (2012), 7 (2009). 3 credit hours.
12. **Spatial Analysis Techniques/GIS** (CRP 2524/5524). Co-developed course curriculum in 2002, made significant revision in 2010. Graduate and undergraduate enrollments: 3 (2015 summer), 14 (2014 fall), 7 (2014 summer), 23 (2013 fall), 11 (2012 summer), 20 (2010 fall), 19 (2010 summer), 24 (2009 spring), 10 (2009 summer), 15 (2008 spring), 12 (2008 summer), 24 (2007 spring), 10 (2007 summer), 20 (2006 spring), 9 (2006 summer), 25 (2005 spring), 13 (2005 summer), 26 (2004 spring), 14 (2004 summer), and 16 (2002 spring). 3 credit hours. Co-taught with A. Bari from 2002 to 2006.
13. **Spatial Planning with Digital Visualization** (CRP 8870). Special topic course. Developed course curriculum. Graduate enrollment: 6 (2015). 3 credit hours.
14. **Sustainable Community Design and Development** (CRP 3256). Updated course curriculum. Undergraduate enrollment: 12 (2014). 3 credit hours.
15. **Sustainable Food Systems Planning** (CRP 2252/5521). Updated course curriculum. Graduate and undergraduate enrollments: 16 (2015). 3 credit hours.
16. **Urban Form and Design** (CRP 2114/8114). Developed course curriculum. Graduate and undergraduate enrollments: 18 (2013), 19 (2012), 18 (2011), 24 (2010), 19 (2009), and 9(2008). 3 credit hours. Co-taught with S. Mysore in 2008.

Department of Urban and Regional Planning, University at Buffalo

17. **Environmental Design Workshop I: Urban Information and Analysis**. Graduate Assistant (Teaching). Demonstrated GIS and LandCADD software. Instructor: K. Lucas. Undergraduate enrollment: 20 (2000). 3 credit hours.

Department of Architecture, Ahsanullah University of Science and Technology, Bangladesh

18. **Design Studio VI**. Co-developed course curriculum. Undergraduate enrollment: 12 (1998). Co-taught with M. Malik. 3 credit hours.
19. **Design Studio VII**. Co-developed course curriculum. Undergraduate enrollment: 16 (1999). 3 credit hours. Co-taught with S. Shams.
20. **Design Theory**. Developed course curriculum. Undergraduate enrollment: 12 (1998). 3 credit hours.
21. **Interior Design Studio**. Developed course curriculum. Undergraduate enrollment: 16 (1999). 3 credit hours.

Professional Certificates and Workshops Taught

1. **GIS and Geo-Visualization in Transportation Planning**. Developed workshop curriculum. Enrollment: 18 (2019), 25 (2018), 14 (2017). National Summer Transportation Institute program in New Jersey (NJSTI), organized by The Center for Research and Education in Advanced Transportation Engineering Systems (CREATEs), Rowan University.
2. **3-D Visualization Using ArcGIS and SketchUp**. Developed workshop curriculum. Enrollment: 8 (2008). Non-credit program, Temple University.
3. **GIS for Local Government Officials**. Developed workshop curriculum. Enrollment: 5 (2008). Non-credit program, Temple University.
4. **Interior Design Certificate Program**. Developed course curriculum. Student enrollment: 18 (1997 – 1998). One year professional certificate program, Exterior Interior Pvt. Ltd., Bangladesh.

Invited Course Lectures

1. Spring 2018: *Research design and dissertation preparation*. Course: Research Design, taught by J. Stahler, Department of Geography and Urban Studies, Temple University.
2. Fall 2016: *Brownfields redevelopment*. Course: Graduate Design Studio, taught by M. Myers, Department of Landscape Architecture & Horticulture, Temple University.
3. Fall 2014: *Philadelphia as a food system innovator*. Course: Sustainable Food Systems Planning, taught by D. Howe, Department of Planning and Community Development, Temple University.
4. Spring 2014: *A mixed-methods research on food justice and the role of NPOs*. Course: Research Design Methods, taught by E. McCoy, Department of Landscape Architecture and Horticulture, Temple University.
5. Fall 2013: *Philadelphia food systems and nonprofit organizations*. Course: Sustainable Food Systems Planning, taught by D. Howe, Department of Planning and Community Development, Temple University.
6. Fall 2012: *Addressing hunger and malnutrition: Key barriers to hunger relief*. Course: History of Poverty and Welfare in the U.S., taught by C. Stutman, Department of Arts and Humanities, Pennsylvania State University.
7. Fall 2012: *Philadelphia as a food system innovator*. Course: Sustainable Food Systems Planning, taught by D. Howe, Department of Planning and Community Development, Temple University.
8. Spring 2012: *3D GIS visualization using ArcScene and SketchUp*. Course: Advanced Techniques in GIS, taught by D. Manhardt, Department of Planning and Community Development, Temple University.
9. Fall 2011: *A mixed methods research on Philadelphia's community gardens*. Course: Food Systems Planning, taught by D. Howe, Department of Planning and Community Development, Temple University.
10. Spring 2011: *Analysis and visualization of spatial data in GIS*. Course: Digital Media: Methodologies + Techniques, taught by R. Drummond, Department of Architecture, Temple University.
11. Spring 2006: *To be or not to be ...* Course: Sustainable Community Design and Development, taught by L. Mandarano, Department of Planning and Community Development, Temple University.
12. Fall 2003: *Role of buildout scenarios in growth management plan*. Course: Planning Studio, taught by S. Loveless, Department of Planning and Community Development, Temple University.
13. Spring 2003: *Scope of higher education in architecture and planning in the U.S.* Course: Undergraduate Seminar, taught by Z. Matin, Department of Architecture, Ahsanullah University of Science and Technology.
14. Fall 2002: *Introduction to planning support systems*. Course: Introduction to Community and Regional Planning, taught by J. Featherstone and S. Loveless, Department of Planning and Community Development, Temple University.
15. Fall 2000: *Network analysis using GIS*. Course: GIS for Planning, taught by G. Page, Department of Urban and Regional Planning, University at Buffalo.

Invited Public Lectures

1. December 2020: *Brownfield Redevelopment Planning in a Post-Industrial Landscape: Community Perception vs Reality*. Sustainability Research and Practice Seminar, West Chester University of Pennsylvania.
2. October 2015: *Urban agriculture and hunger relief services*. Hunger Action Summit, Temple University.
3. March 2012: *Urban agriculture in ecological cities: form, landscape, community, and zoning*. Sustainability Lecture Series, Temple University.
4. April 2011: *Analyzing and mapping spatial data in GIS*. Technology Day 2011, Temple University.
5. July 2009: *Applications of GIS in environmental planning research*. Temple University Summer Academy.
6. January 2008: *An inside look at major GIS projects at Temple CSC*. MUSA Brownbag Series, University of Pennsylvania School of Design.
7. November 2005: *Planning/ GIS as a career choice*. Lansdale Catholic High School.
8. April 2005: *Planning/ GIS as a career choice*. Sandy Run Middle School.
9. March 2005: *Introduction to GIS*. W. B. Saul High School.
10. August 2004: *GIS in environmental decision making*. Watershed Facilitators Institute. Temple University.

11. November 2003: *Introduction to GIS*. Upper Dublin High School.

Design Reviews and Critiques

1. Spring 2019: Design critique, *Graphics Design Studio*, taught by R. Whyte, Department of Art, Rowan University.
2. Fall 2018: Design proposal reviewer, *Engineering Clinic SECI*, taught by E. Howell, Department of Civil & Environmental Engineering, Rowan University.
3. Fall 2016: Critique, *Graduate Design Studio*, taught by M. Myers, Department of Landscape Architecture & Horticulture, Temple University.
4. Spring 2006: Critique, *Junior Design Studio*, taught by K. Ashraf, Department of Architecture, Temple University.
5. 1998 – 1999: Served as a critique in 10+ design studio jury sessions at Ahsanullah University of Science and Technology, Bangladesh.

Graduate Student Supervision

Student Name	Training Period	Program/University	Type of Work	Role	Current Status
Ruqaya Alfairs	2022	Civil and Environmental Engineering	MS Thesis	Committee Member	Graduated in 2022
Chris Tirri	2021	Urban and Regional Planning/Rowan University	Research	Supervisor	Student
Devon Nealer	2021	Urban and Regional Planning/Rowan University	Research	Supervisor	Graduated in 2022
Yonhee Jung	2018	Geography and Urban Studies/Temple University	PhD Dissertation	External Reviewer	Graduated in 2019
Samain Sabrin	2018	Civil and Environmental Engineering/Rowan University	Research	Supervisor	Graduated in 2018
Sanjana Ahmed	2016 – 2017	Architecture and the Built Environment/Delft University of Technology	Post-Master's Thesis	External Advisor	Graduated in 2017
Tanner Adamson	2015 – 2016	Community and Regional Planning/Temple University	Research	Supervisor	Graduated in 2016
Leonard Bonarek	2015 – 2016	Community and Regional Planning/Temple University	Research	Supervisor	Graduated in 2016
Jason Hachadorian	2014 – 2015	Community and Regional Planning/Temple University	Research	Supervisor	Graduated in 2015
Brandon Hoover	2010	Geography and Urban Studies/Temple University	Research	Supervisor	Graduated in 2011
Jillian Puleo	2009	Community and Regional Planning/Temple University	Master's Project	Co-Advisor	Graduated in 2009
Suneeth Varghese	2009	Computer Engineering/Temple University	Research	Supervisor	Graduated in 2010
Sujin Park	2008 – 2009	Community and Regional Planning/Temple University	Research	Supervisor	Graduated in 2009
Andreea Ambrus	2006 – 2008	Community and Regional Planning/Temple University	Research and Master's Project	Supervisor and Co-Advisor	Graduated in 2008
Straso Jovanovski	2006 – 2008	Community and Regional Planning/Temple University	Research and Master's Project	Supervisor and Co-Advisor	Graduated in 2008

Alice Walters	2007 – 2008	Community and Regional Planning/Temple University	Research	Supervisor	Graduated in 2008
Lan Jiang	2006 – 2007	Community and Regional Planning/Temple University	Research and Master's Project	Supervisor and Co-Advisor	Graduated in 2007
Dennis Dalbey	2005 – 2006	Community and Regional Planning/Temple University	Research	Supervisor	Graduated in 2006
Griselle Rodreguez-Herrera	2004 – 2005	Community and Regional Planning/Temple University	Research	Supervisor	Graduated in 2005
Jesse Sherry	2004 – 2005	Community and Regional Planning/Temple University	Research	Supervisor	Graduated in 2005
Justin Ryan	2004	Community and Regional Planning/Temple University	Master's Project	Co-Advisor	Graduated in 2004

Undergraduate Student Supervision

Student Name	Training Period	Program/University	Type of Work	Role	Current Status
Gabby Davis	2020 – 2021	Community and Environmental Planning/ Rowan University	Internship	Supervisor	Graduated in 2021
Devon Moulton	2019 – 2020	Community and Environmental Planning/ Rowan University	Research	Supervisor	Graduated in 2020
Benjamin Stephens	2000 – 2021	Geography/Rowan University	Research	Supervisor	Graduated in 2021
Jake Vitagliano	2000 – 2021	Community and Environmental Planning, Geography, GIS/Rowan University	Research	Supervisor	Student
Hunter Swanson	2019 – 2021	Community and Environmental Planning/ Rowan University	Research	Supervisor	Graduated in 2021
Kristina Wallace	2019 – 2000	GIS/ Rowan University	Research	Supervisor	Graduated in 2020
Dylan Williams	2019 – 2000	Community and Environmental Planning/ Rowan University	Internship	Supervisor	Graduated in 2020
Meghan Wren	2019	Community and Environmental Planning/ Rowan University	Research	Supervisor	Graduated in 2019
Christopher Campbell	2019	GIS/ Rowan University	Research	Supervisor	Graduated in 2019
Cassandra Rodriguez	2019	Community and Environmental Planning/ Rowan University	Research	Co-supervisor	Graduated in 2019
Carlos Cruz-Gallo	2019	Community and Environmental Planning/ GIS/ Rowan University	Internship	Supervisor	Graduated in 2020
Giavanni Rizzo	2018 – 2019	Community and Environmental Planning/ Environmental Studies/Rowan University	Research	Supervisor	Graduated in 2019
Marie DiLeonardo	2018	Spanish and Subject Matter Education K12/Rowan University	Research	Supervisor	Graduated in 2018
Joseph Foti	2017 – 2018	Disaster Management/Rowan University	Research	Supervisor	Graduated in 2020
Kira Rose	2018	Civil and Environmental Engineering/Rowan University	Research	Supervisor	Student

Cassie Shugart	2016 – 2018	Community and Environmental Planning, Geography/Rowan University	Research	Supervisor	Graduated in 2018
Robert Kearney	2017	Geography, Community and Environmental Planning, GIS/Rowan University	Research	Supervisor	Graduated in 2017
Amy Mann	2017	English/Rowan University	Research	Supervisor	Student
Donald Morrison	2017	GIS/Rowan University	Research	Supervisor	Graduated in 2018
Herivin Simmasalam	2017	GIS/Rowan University	Internship	Supervisor	Graduated in 2018
Shane Walsh	2017	Geography, Community and Environmental Planning, GIS/Rowan University	Research	Supervisor	Graduated in 2018
Noah Berkowitz	2016 – 2017	GIS, Community and Environmental Planning/Rowan University	Research	Supervisor	Graduated in 2017
Matthew Bettin	2016 – 2017	Environmental Studies, Biology, GIS/Rowan University	Research	Supervisor	Graduated in 2017
Samantha Dimeglio	2016 – 2017	Environmental Studies, Community and Environmental Planning, GIS/Rowan University	Research	Supervisor	Graduated in 2017
Daniel Bramhall	2015	Landscape Architecture/Temple University	Research	Supervisor	Graduated in 2015
Mike Levitt	2015 – 2016	Community Development/Temple University	Research	Supervisor	Graduated in 2016
Christine Thomas	2014	Community Development/Temple University	Research	Supervisor	Graduated in 2015
Jason Flax	2009	Architecture/Temple University	Research	Supervisor	Graduated in 2009

Selected Student Projects and Publications

1. **Cultivating food equity in Glassboro, NJ.** 2021. Final project of undergraduate Planning Studio, Rowan University, by Hunter Swanson et al. Planning Excellence Awards 2021 (Outstanding Student Project), American Planning Association New Jersey chapter.
2. **From COVID-19 to the Neighborhood 15.** 2021. A blog written by Christopher Tirri from the Environmental and Sustainability Planning course published by Rowan University Blog. Available at <https://www.rowanblog.com/2021/04/12/from-covid-19-to-the-neighborhood-15/?fbclid=IwAR3WF4T8F-Ir3zxbtArhyAuu8vO2tEEbfeFpk2gts8th9lXM4UEgzOesaVs>
3. **Greenspaces + placemaking plan in Camden's Waterfront South.** 2019. Final project of Community Planning & Site Design course, Rowan University, by Meghan Wren and Devon Moulton (eds.). Planning Excellence Awards 2019 (Outstanding Student Project), American Planning Association New Jersey chapter.
4. **GIS-based walkability study at Ambler and Upper Dublin areas.** 2009. Final project of Intro GIS course, Temple University, by Byma, Maher, and Tsang. Awarded third prize at the American Planning Association PA southeast chapter 2009 scholarship competition.
5. **Spatial analysis of food insecurity and hunger relief.** 2008. Final project of Advanced GIS course, Temple University, by Puleo, Walters, Ennis, Park, and Jovanovski. Awarded second prize at the American Planning Association PA southeast chapter 2008 scholarship competition.

Services (selected)

Rowan University

- 2022 Co-developer (with Dr. Howell), redevelopment of Rowan Online course—Senior Seminar (GEOG 16490)
- 2022 Sponsor, new course proposal—Smart Cities and Society (PLAN 31381)
- 2021 – 2022 Member (alternate) and School of Earth and Environment representative, Rowan University Graduate Advisory Council
- 2021 – 2021 Member, BS in Sustainable Food Systems program curriculum development committee
- 2021 Developer, new Rowan Online course—Geovisualization (GEOG 16361)
- 2021 Search committee member, tenure-track position in Planning
- 2021 Search committee member, coordinator of BS in Sustainable Food Systems program
- 2018 – 2021 Member, Rowan University Sustainability Master Plan Committee
- 2020 – Member, Rowan University Ad-Hoc Committee on Sustainability
- 2020 – 2022 Member, Diversity, Equity, and Inclusion (DEI) Specialty Group 3: Creating Inclusive Academic Spaces committee
- 2020 – 2022 Member (alternate), Rowan University Faculty Senate
- 2020 – 2022 Member, Geography, Planning, and Sustainability department curriculum committee
- 2020 Developer, new Rowan Online course—Environmental and Sustainability Planning (PLAN 31389/31589)
- 2020 Developer, Writing Intensive course—Planning Studio (PLAN 31495)
- 2019 – Program coordinator, Certificate of Undergraduate Studies (CUGS) in Food Systems Planning
- 2019 Search committee member, GIS Lecturer position, Geography, Planning, and Sustainability
- 2019 Search committee member, GIS Technician and Support Specialist, School of Earth and Environment
- 2019 Co-proposal writer (with Dr. Keenan), Camden Innovation Lab, submitted to Rowan Camden Executive Vice President, Policy & External Relationships/Partnerships and Cooper's Ferry Partnership
- 2018 – Member, BS Community and Environmental Planning program strategic planning committee, curriculum restructuring committee, and accreditation committee
- 2018 – Member, Geography, Planning, and Sustainability Dept. strategic planning committee
- 2018 – Member, Geography, Planning, and Sustainability Dept. student awards committee
- 2018 Sponsor, new course proposal—Planning Studio (PLAN 31495) (approved)
- 2018 Co-sponsor, Certificate of Undergraduate Studies (CUGS) on Community Food Systems Planning, Geography, Planning, and Sustainability Dept. (approved)
- 2018 Lead organizer, External consultant visit, MS in Urban and Regional Planning program proposal, Geography, Planning, and Sustainability Dept.
- 2018 Invited participant, design workshop on Edelman Fossil Park Landscape and Playground Design
- 2018 Search committee member, department chair, Geography, Planning, and Sustainability Dept.
- 2018 Search committee member, three Lecturer positions (two filled), Geography, Planning, and Sustainability Dept.
- 2018 Proposal reviewer, Rowan University SEED grant
- 2018 Proposal reviewer, Program for Inclusive Pedagogy and Educational Reform (PIPER) grant
- 2018 Proposal reviewer, Research Experience for Diversity and Inclusion (REDI) grant
- 2018 – 2021 Co-moderator, Geography, Planning, and Sustainability Dept. Facebook page
- 2017 – 2018 Primary sponsor, MS in Urban and Regional Planning program proposal, Geography, Planning, and Sustainability Dept. (approved at the state level in 2018)
- 2017 – 2018 Wrote program goals and assessment criteria for the BS Community and Environmental Planning program.
- 2017 – 2018 Primary sponsor, new course proposals, Geography, Planning, and Sustainability Dept. (all approved)
1. Planning Studio (PLAN 31495)

2. Introduction to Planning: Past, Present, and Future (PLAN 31580)
 3. Research Methods in Planning (PLAN 31590)
 4. Planning Communication (PLAN 31593)
 5. Fundamentals of Geographic Information Systems (GEOG 31660)
 6. Environmental and Sustainability Planning (PLAN 31589)
 7. Planning Practice, Law, and Ethics (PLAN 31685)
 8. Community Planning and Site Design (PLAN 31686)
 9. Planning Studio (PLAN 31695)
 10. Geovisualization (GEOG 16661)
- 2017 – 2019 Member, Rowan University Autism Task Force and its “Research” sub-group
- 2017 Author, guidelines and requirements for AICP accreditation of the BS in Community and Environmental Planning program, Geography, Planning, and Sustainability Dept.
- 2016 – 2017 Participant, Junior Faculty Learning Community
- 2016 Co-sponsor, new course proposals, Geography, Planning, and Sustainability Dept. (approved)
1. Graduate Seminar in Food Systems Planning (Primary sponsor: Dr. Hasse) (PLAN 31587)
 2. Food Systems Planning (Primary sponsor: Dr. Hasse) (PLAN 31387)
- 2016 Author, white paper proposing a new graduate program in Urban and Regional Planning

Wider Community

- 2022 Co-organizer, session titled “Public Engagement Practices, Methods and Tools for Smart Cities and Communities,” annual conference of the American Association of Geographers (online) (with Jung).
- 2021 Organizer, session titled “Participatory Planning in Extended Reality,” annual conference of the Association of Collegiate Schools of Planning in Miami (Hajrasouliha—discussant).
- 2021 Co-organizer, session titled “Web Mapping to Support Smart Equitable Cities in Community Planning,” New Jersey Planning and Redevelopment Conference (with Hasse).
- 2020 – 2021 Lead guest editor, Special Issue "Environmental Health, Blue-Green Infrastructure Planning, and Health Equity" in the *International Journal of Environmental Research and Public Health* (Impact Factor 3.39) (with Adlakha, Cole, and Heckert).
- 2021 Organizer, online event Cultivating health equity in Glassboro. Total number of attendees: 30.
- 2021 Collaborator, installation of “able” vegetable plots—accessible to people with intellectual and physical disabilities—in seven community gardens in Atlantic City, Camden, and Glassboro.
- 2020 Reviewer, session proposals, national conference of American Planning Association.
- 2020 – Member, Glassboro Health Equity Coalition.
- 2019 Organizer, pop-up art exhibition (photo collages), Camden Fireworks. Total number of participants: 40.
- 2019 Co-organizer, session titled "Working with Stories," annual meeting of Association of American Geographers in Washington D.C. (with Kitson and Bucknum).
- 2019 Lead organizer, community design workshop for Waterfront South neighborhood, Camden, NJ. Total number of attendees: 50.
- 2019 Co-organizer, photo collage workshop for Waterfront South neighborhood, Camden, NJ. Total number of participants: 15. (with Howell)
- 2018 Lead organizer, Crowd Mapping event for Glassboro Cultural Mapping project, Glassboro, NJ. Total number of attendees: 25.
- 2018 Co-organizer, Pop-up Night Garden event, Glassboro, NJ. Total number of attendees: 100. (with Kitson and Bucknum)
- 2018 Co-organizer and lead facilitator, community design workshop for Town Center, Glassboro, NJ. Total number of attendees: 40. (with Stewart)
- 2018 Organizer, community listening and visioning meeting, Glassboro Arts and Entertainment District planning process, Glassboro, NJ. Total number of attendees: 32. (with Bucknum)

- 2018 Organizer, community design charrette for North of Lehigh neighborhood, Philadelphia. Total number of attendees: 50.
- 2017 – Member, Glassboro Arts Advisory Committee (former Creative Glassboro), Glassboro, NJ
- 2017 – Participant, Association of Collegiate Schools of Planning (ACSP) Junior Faculty Mentorship Program. (Mentor: Dr. Kathe Newman, Rutgers University)
- 2017 Organizer, daylong event at Rowan Glassboro Campus, Rowan Technology Park, Rowan Boulevard, and Edelman Fossil Park. Participants included 15 architecture students and faculty visiting from the SJB School of Architecture and Planning, Bangalore, India, and faculty and students from Rowan Geography, Planning, and Sustainability Dept.
- 2017 Organizer, walking tour of the North of Lehigh neighborhood in Philadelphia. Community partner: New Kensington CDC, Philadelphia. Total number of participants: 19.
- 2015 – 2018 Co-moderator, American Planning Association's Facebook page "APA Technology".
- 2012 – 2018 Member, Editorial Committee, *Journal of Agriculture, Food Systems, and Community Development*.
- 2013 – 2016 Member, Environmental Advisory Committee, Montgomery Township, PA.
- 2016 Organizer, community design charrette for Montessori School, Dresher, PA. Total number of attendees: 50.
- 2015 Organizer, community design charrette for Philadelphia's 6th and Diamond vacant lot improvement. Community partner: Asociación Puertorriqueños en Marcha, Philadelphia. Total number of attendees: 30.
- 2015 Organizer, community design charrette for Philadelphia's Memphis St Academy schoolyard improvement. Community partner: New Kensington CDC, Philadelphia. Total number of attendees: 35.
- 2015 Organizer, community design charrette for Philadelphia's Hostos Charter School improvement. Community partner: Tookany/Tacony-Frankford Watershed Partnership, Philadelphia. Total number of attendees: 25.
- 2011 – 2015 Member, Stakeholder Committee, Regional Food System Planning, Delaware Valley Regional Planning Commission.
- 2013 Pro bono design service provided to Urban Tree Connection, Philadelphia. Conceptual master plan of an urban farm.
- 2007 – 2013 Voting Member, Ambler Campus Sustainability Council, Temple University.
- 2012 Organizer, public forum to discuss flooding issues. Community partners: Borough of Ambler, Upper Dublin Township, and Whitpain Township, PA. Total number of attendees: 110.
- 2006 – 2010 Pro bono website design service provided to Ambler Campus Sustainability Council, Temple University.
- 2004 – 2009 Team Leader, EarthFest Exhibitors for Center for Sustainable Communities, Community and Regional Planning, and Ambler Campus Sustainability Council, Temple University.

Journal Article Review

American Journal of Preventive Medicine (2019)

Anthropocene (2019)

Geographical Journal (2020, 2021)

Health & Place (2020)

International Journal of Environmental Research and Public Health (2020)

Journal of Agriculture, Food Systems, and Community Development (2020, 2019x2, 2018x2, 2017, 2016, 2012, 2015, 2013x2)

Journal of Contemporary Asia (2019)

Journal of Environmental Research and Public Health (2020)

Journal of Planning Education and Research (2021, 2019x2)

Land Use Policy (2021)

Local Environment (2021)

Social Science Computer Review (2013)

Sustainability (2020, 2019x6, 2018)

Urban Greening and Urban Forestry (2021)
Urban Planning (2020)
Urban Science (2019)
Water (2019)

Book Chapter Review

Waterfront Development and Urbanism, by Rahman, M. (ed.). New York: Springer Publishing. (under production)
Reviewed one chapter (2021).
Local Food Systems in Old Industrial Regions: Concepts, Spatial Context, and Local Practices, by Reid, N., Gattrell, J. and Ross, P. (eds.). Surrey, U.K.: Ashgate Publishing. (2011). Reviewed one chapter.
Handbook of Research on Geoinformatics, by Karimi, H. (ed.). Pennsylvania: IGI Global. (2009). Reviewed two chapters.
Artificial Crime Analysis Systems: Using Computer Simulations and Geographic Information Systems, by Liu, L. and Eck, J. (eds.) Pennsylvania: Idea Publishing. (2008). Reviewed two chapters.

Grant Proposal Review

2021 National Endowment for the Humanities (NEH) Summer Stipend program
2021 National Science Foundation (NSF) Smart and Connected Community program (invited)
2020 National Science Foundation (NSF) Civic Innovation Challenge program (invited)
2019 Foundation for Food and Agriculture Research (FFAR) Seeding Solutions program
2017 Member, Sustainable Jersey's Blue Ribbon Selection Committee for municipal 2017 Small Grants Program, funded by Public Service Enterprise Group (PSEG). Reviewed 21 proposals.

Conference Proposal Review

2019 Reviewed 14 proposals for Research Roundtables at the Northeast Creative Placemaking Leadership (CPL) Summit in Philadelphia, organized by Creative Placemaking Communities.

Curriculum Review

2010 – 2011 The Green Food and Farm Workforce Training Program by Green link Philadelphia.
Reviewed two courses.

Professional Affiliations and Memberships

2017 – American Planning Association (APA) New Jersey Chapter
2014 – Association of Collegiate Schools of Planning (ACSP)
2008 – American Association of Geographers (AAG)
2002 – 2016 American Planning Association (APA) Pennsylvania Chapter