

TASNIM ISABA

PhD Candidate
 City & Metropolitan Planning
 University of Utah
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Focused on disaster resilience, land use planning, and wildfire recovery, with experience in mixed-method research (qualitative and quantitative), policy impact assessment, and spatial analysis. Committed to advancing knowledge and practical applications in hazard planning to foster resilient communities.

POSITIONS HELD

Research

August'24-Present	Co-Instructor/Teaching Assistant , City & Metropolitan Planning, <i>University of Utah</i> , Salt Lake City, UT, USA
August'21-May'24	Research Assistant , City & Metropolitan Planning, <i>University of Utah</i> .
May-August'23	Teaching Assistant , City & Metropolitan Planning, <i>University of Utah</i> .
March-July'21	Assistant Professor , BUET-Japan Institute of Disaster Prevention & Urban Safety, <i>Bangladesh University of Engineering and Technology</i> , Dhaka, Bangladesh.
December'17-March'21	Lecturer , BUET-Japan Institute of Disaster Prevention & Urban Safety, <i>Bangladesh University of Engineering and Technology</i> .
February-November'17	Research Assistant , Department of Civil Engineering, <i>Bangladesh University of Engineering and Technology</i> .

Industry

May-August'24	Temporary Planner , <i>Minnesota Department of Transportation</i> , St. Paul, MN., USA.
August'16	Undergraduate Intern , <i>Bangladesh Planning Commission</i> , Dhaka, Bangladesh.

EDUCATION

August'21- Present	PhD Candidate , City & Metropolitan Planning, <i>University of Utah</i> Supervisor: Dr. Divya Chandrasekhar Dissertation Topic: Integrating Land Use Strategies in Wildfire Recovery Planning in the Western United States
March'21	Masters in Urban and Regional Planning , Department of Urban and Regional Planning, <i>Bangladesh University of Engineering and Technology</i> Supervisor: Dr. Ishrat Islam
February'17	Bachelor in Urban and Regional Planning , Department of Urban and Regional Planning, <i>Bangladesh University of Engineering and Technology</i>

PUBLICATIONS

Conference Presentations and Posters

- **Isaba, T.**, Chandrasekhar, D., Bhandari, S., & Loquellano, A. (2024). *Land Use Based Wildfire Planning for Unincorporated Communities*. Selected for presentation at the Association of Collegiate Schools of Planning (ACSP) Annual Conference, November 7-9, Seattle, Washington.
- **Isaba, T.**, Chandrasekhar, D., Bhandari, S., & Loquellano, A. (2024). *Land Use Based Wildfire Planning for Unincorporated Communities*. Poster presented at the 2024 WIRED Grid Resilience Symposium, September 12, University of Utah.
- **Isaba, T.**, Chandrasekhar, D., Bhandari, S., & Loquellano, A. (2024). *Assessing Community Wildfire Protection Plans in the Western US: Land Use Strategies for Wildfire Adaptation*. Selected for presentation at the Natural Hazards Workshop's Researchers Meeting, July 14-17, Broomfield, Colorado.
- **Isaba, T.**, Chandrasekhar, D., Bhandari, S., & Loquellano, A. (2024). *Assessing Community Wildfire Protection Plans in the Western US: Land Use Strategies for Wildfire Adaptation*. Presented at the American Association of Geographers Meeting, April 16-20, Honolulu, Hawaii.
- **Isaba, T.**, & Chandrasekhar, D. (2023). *Assessing the Potential Feasibility of Land Use Based Adaptation against Emerging Wildfires*. Presented at the Natural Hazards Workshop's Researchers Meeting, July 12-13, Broomfield, Colorado.
- **Isaba, T.**, & Chandrasekhar, D. (2023). *Assessing the Potential Feasibility of Land Use Based Adaptation against Emerging Wildfires*. Presented at the American Association of Geographers Meeting, March 23-27, Denver, Colorado.
- **Isaba, T.**, & Chandrasekhar, D. (2023). *Assessing the Potential Feasibility of Planned Retreat against Emerging Wildfires in the USA: A Case Study of Marshall Wildfire, Colorado*. Presented at the Environment and Sustainability Symposium, Global Center & Sustainability Center (GCSC), University of Utah, February 22.
- Chandrasekhar, D., Garcia, I., Padilla, M., Ganapati, N.E., Olshansky, R., & **Isaba, T.** (2022). *How Stakeholder Interdependencies Affect Household Decision-Making About Post-Disaster Relocation in Puerto Rico*. Presented at the 47th Annual Natural Hazards Research and Applications Workshop, July 10-13.
- **Isaba, T.**, Zaman, T., & Islam, I. (2020). *A Spatial Analysis of Housing Budget in Bangladesh and its Association with National Policies*. Presented at the Housing for All: The Developed City of the Future, online workshop on The World Habitat Day 2020, Bangladesh Institute of Planners, October 13.
- Sreezon, A.I.Z., Disha, S.A., **Isaba, T.**, Riyadh, A.M., Barua, U., & Islam, I. (2019). *Understanding Ward Disaster Management Committee (WDMC) for Community Based Disaster Management in Dhaka City Corporation (DCC): Concept, Formation, Existence and Challenges*. Presented at the International Conference on Disaster Risk Management, January 12-14, Dhaka, Bangladesh.
- Billah, M., **Isaba, T.**, Islam, M.A., & Shahin, M. (2019). *Cyclone Shelters Need Development for Ensuring Sustainable Uses: A Case Study in Patuakhali and Borguna District*. Presented at the International Conference on Disaster Risk Management, January 12-14, Dhaka, Bangladesh.
- **Isaba, T.**, Riyadh, A.M., & Ansary, M.A. (2019). *Inter-Organizational Response to Cyclone Sidr (2007): A Network-Based Approach*. Presented at the International Conference on Disaster Risk Management, January 12-14, Dhaka, Bangladesh.
- Rahman, M.S., **Isaba, T.**, & Riyadh, A.M. (2019). *Comparison between Directional Distribution of Observed and Forecasted Trajectories of Hurricane in North Atlantic Basin*. Presented at the International Conference on Disaster Risk Management, January 12-14, Dhaka, Bangladesh.
- Islam, M.A., **Isaba, T.**, Aziz, I., Aziz, S., & Ahsan, R. (2019). *Structural Vulnerability of Buildings to Earthquake of Ward 14, Mymensingh Municipality, Bangladesh*. Proceedings of the International Conference on Planning, Architecture and Civil Engineering, Rajshahi University of Engineering and Technology, February 6-9, Rajshahi, Bangladesh.

- **Isaba, T.**, & Ansary, M.A. (2018). *Safety in RMG Sector: Performance and Progress of DIFE after Rana Plaza*. Presented at the Symposium on Safety in Garment Industry, Five Years After Rana Plaza, April 30, Dhaka, Bangladesh.
- Billah, M., **Isaba, T.**, & Ansary, M.A. (2017). *Risk Assessment of Displaced Inhabitants due to River Erosion and Looking for Relocation as a Sustainable Solution in Lebukhali Union, Patuakhali, Bangladesh*. Presented at the International Conference on Disaster Risk Mitigation (ICDRM 2017), September 23-24, Dhaka, Bangladesh.

Technical Reports and Other Publications

- Chandrasekhar, D., Finn, D., Contreras, S., & **Isaba, T.** (2023). *Land use adaptations to wildfire in unincorporated communities in Colorado (Quick Response Report)*. Natural Hazards Center, University of Colorado Boulder. <https://hazards.colorado.edu/quick-response-report/land-use-adaptations-to-wildfire-in-unincorporated-communities-in-colorado>.
- **Isaba, T.**, Tabassum, N., Majumder, TA, Riyadh, A.M., Islam, I., Haque, A., & Sharmeen, N. (2017). *A Temporal Study on Hatirjheel-Begunbari Project Area from Spatial and Socio-Economic Prospects*. Nagar Shoilee, Vol-8, pp. 1-9.

PEER-REVIEWED EXTERNAL RESEARCH GRANTS

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| 2024 | Lead PI with Divya Chandrasekhar, Nazife Ganapati, Suraksha Bhandari, "Advancing Wildfire Recovery: Integrating Land Use Strategies in Wildfire Recovery Planning of Western US," funded by the Wildfire Ready Quick Response Research- Natural Hazards Center with support from the National Science Foundation and the National Oceanic and Atmospheric Administration (NOAA). (\$7,500) |
| 2023 | Co-PI with Divya Chandrasekhar, Donovan Finn, and Santina Contreras, "Land Use Based Wildfire Adaptation in Unincorporated Communities," funded by FEMA Region 8 Quick Response Research Award- Natural Hazards Center . (\$4,000) |

INTERNAL RESEARCH GRANTS

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| 2024 | Lead PI with Divya Chandrasekhar, "Integrating Wildfire Risk Management in Land Use Planning: An Evaluation of Local Land Use Plans and Zoning Codes in Los Angeles County," funded by the Global Change and Sustainability Center (GCSC) , University of Utah (\$1,584) |
| 2022 | Lead PI with Divya Chandrasekhar, "Assessing the Potential Feasibility of Planned Retreat against Emerging Wildfires in the USA: A Case Study of Marshall Wildfire, Colorado," funded by the Global Change and Sustainability Center (GCSC) , University of Utah (\$1,522) |
| 2022 | Tinker Field Research Grant, "Stakeholder Interdependencies in Post-Disaster Relocation under High Uncertainty in Puerto Rico," funded by the Center for Latin American Studies (CLAS) , University of Utah (\$1,000) |
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OTHER RESEARCH PROJECTS

"Stakeholder Interdependencies in Post-Disaster Relocation Under High Uncertainty in Puerto Rico, USA"

(Research Assistantship at the *University of Utah*): A study examining how interdependencies among stakeholders influence household and business relocation decisions post-disaster, with a focus on high-uncertainty conditions. Funded by the *National Science Foundation (NSF)*. August'21-April'24.

"Vulnerability Assessment of Earthquake Risk at Ward Level in Rangpur City Corporation and Selected Pourashavas, Bangladesh"

(Consultancy with *Ministry of Disaster Management and Relief, Bangladesh and United Nations Development Programme*): Assessment of earthquake vulnerability at the ward level, including contingency planning, training module development, and capacity-building training for local governments. Funded by the *National Resilience Programme, Government of Bangladesh, and the United Nations Development Programme*. October'19 – December'21.

"Assessment of Seismic Exposure, Structural and Socio-Economic Vulnerability of Ward-14 in Mymensingh Municipality, Bangladesh"

(Research Assistantship with *Bangladesh University of Engineering and Technology*): Study assessing structural and socio-economic vulnerabilities in a high-risk earthquake zone, including GIS mapping, public awareness initiatives, and community training programs to build resilience. Funded by the *Government of Bangladesh and the United Nations Development Programme*. April-September'17.

COURSES TAUGHT

Community and Regional Analysis (Master's course as Co-Instructor/Teaching Assistant), City & Metropolitan Planning, University of Utah

GIS for Urban Ecology (Undergraduate course as Teaching Assistant), City & Metropolitan Planning, University of Utah

MENTORSHIP AND SUPERVISION

Research Supervisor, City & Metropolitan Planning, *University of Utah* (2024 – Present)

Supervising an undergraduate student on the wildfire project, focusing on data collection and systematic review related to land use strategies.

Mentor, *Bangladesh University of Engineering and Technology* (2017)

Mentored undergraduate students, providing guidance on disaster management and resilience research, including project planning, quantitative data analysis, and presentation skills.

AFFILIATIONS AND SERVICES

Student Member, *Associate of Collegiate Schools of Planning (ACSP)*, 2021, 2023, 2024

Graduate Member, *American Association of Geographers (AAG)*, 2022, 2024

Member, *Bangladesh Institute of Planner (BIP)*, 2017-2024

Reviewer, *Computational Urban Science*, 2024

ACADEMIC AWARDS AND FELLOWSHIPS

2018	Abdul Hamid Award for Undergraduate Thesis, Bangladesh University of Engineering and Technology
2012-2016	University Merit Scholarship (6 times), Bangladesh University of Engineering and Technology
2013-2015	Dean's List Scholarship (3 times), Bangladesh University of Engineering and Technology

PROFESSIONAL DEVELOPMENT WORKSHOPS

2019 TPE and TransTiP Science and Technology Training on Climate Change and Social Impact on the Third Pole Environment. Arranged by the *International Programme Third Pole Environment (TPE), TransTiP, and Institute of Tibetan Plateau Research, Chinese Academy of Science (ITPCAS)*. Chengdu, China, 12-23 August 12-13, 2019.

Exercise Coordinated Response 2019 (EXCOORES 2019) Multinational HADR TTX. Arranged by *Armed Forces Division, Ministry of Disaster Management and Relief, Bangladesh, and Singapore Armed Force*. Changi Command and Control Center, Singapore, April 2-4, 2019

REFERENCE

Divya Chandrasekhar, Ph.D
Chair and Associate Professor, Department of City and Metropolitan Planning, University of Utah
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