



MD. KAMRUL HASAN

ASSISTANT PROFESSOR
Departement of Urban and Regional Planning
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Research Interest

- Climate Resilient Urban Planning
- Disaster Risk Reduction
- Environmental Planning and Management
- Climate Change Vulnerability and Adaptation Assessment
- Resilient Rural Community Development

Technical Skills

- Computer language-C
- ArcGIS
- Authocad
- SPSS
- ERDAS IMAGINE
- Google Earth Engine (GEE)
- Microsoft Office
- Adobe Illustrator
- Adobe Photoshop
- Kobo Toolbox
- Wordpress
- Photography and
- Videography

Language

- Bangla
- English

Education

- 2022 - Present** Doctor of Philosophy (Ongoing), Pabna University of Science and Technology, Pabna, Bangladesh
- 2011 - 2015** Bachelor of Urban and Regional Planning, Urban and Regional Planning, Khulna University of Engineering and Technology, Bangladesh
Obtained CGPA: 3.70 out of 4 (Stand 6th out of 51 students)

Employment

- Assistant Professor** Department of Urban and Regional Planning
November, 2019 - present Pabna University of Science and Technology
- Lecturer** Department of Urban and Regional Planning
April, 2017 - October, 2019 Pabna University of Science and Technology

Research Project

- 2023 - 2025** Exploring the Spatial Pattern of Small and Medium-sized Manufacturing Industries for Poverty Alleviation in Bangladesh: A case of Pabna, Sirajganj, and Kushtia Districts. **Funded by:** Ministry of Planning, Bangladesh
- 2024 - 2025** Building Resilience: Climate Change Vulnerability and Strategic Adaptation in Coastal Bangladesh, with a Review of AI-based Climate Change Solutions. **Funded by:** University Grant Commission (UGC) through PUST
- 2023 - 2024** Trend Analysis of Climatic Elements and Assessment of Social Vulnerability under Climate Change Risks in South-Western Coastal Region of Bangladesh. **Funded by:** University Grant Commission (UGC) through PUST
- 2022 - 2023** Dynamics of Internal Migration in Southwest Region of Bangladesh. **Funded by:** University Grant Commission (UGC) through PUST
- 2021 - 2022** Assessment of Local Governance using Local Governance Self Assessment Method: A Study on Bhangura Union, Pabna, Bangladesh. **Funded by:** University Grant Commission (UGC) through PUST
- 2020 - 2021** Service Facilities and Spatial Development: A Study on Rangpur City Corporation Area, Bangladesh. **Funded by:** University Grant Commission (UGC) through PUST
- 2019 - 2020** Earthquake Vulnerability Assessment of Ward no 27 in Dhaka South City Corporation using Rapid Visual Screening Method. **Funded by:** University Grant Commission (UGC) through PUST
- 2017 - 2018** Urbanization trend Analysis in Pabna Municipality: Evaluation of Socio-economic Impact of Urbanization. **Funded by:** University Grant Commission (UGC) through PUST

Journal Article

- 2025 **Hasan, M.K.**, Rahman, M.M., & Kayes, A.N.M., 2025. Comprehensive Assessment of Local Climate Change Adaptation with Provision of Sustainable Adaptation Plan in South-West Coastal Region of Bangladesh: A Study on Dacope Upazila, Khulna. *Progress in Disaster Science*, Vol: 26, Issue. 2025, doi: <https://doi.org/10.1016/j.pdisas.2025.100425>.
- 2024 Sultana, N., & **Hasan, M.K.**, 2024. Identification of Climate Scenarios and an Index-Based Assessment of Household Vulnerability to Climate Change in South-West Coastal Region of Bangladesh. *Jordan Journal of Earth and Environmental Sciences*, Vol. 15, Issue. 2, 136-145
- Hasan, M. K.**, & Sultana, N. (2024). Dynamics of internal migration in the southwest region of Bangladesh. *International Journal of Disaster Risk Management*, 6(1), 13–26. <https://doi.org/10.18485/ijdrm.2024.6.1.2>
- 2023 Islam, M. J., & **Hasan, M. K.** (2023). Understanding flood vulnerability using index-based approach: A study of Chilmari Upazila, Kurigram, Bangladesh. *Environment and Urbanization Asia*, 14(2), 218–232. <https://doi.org/10.1177/09754253231194721>
- 2022 Podder, M., **Hasan, M. K.**, & Islam, M. J. (2022). Seismic vulnerability assessment of existing buildings by rapid visual screening method: a study on Ward 27 in Dhaka South City Corporation. *International Journal of Disaster Risk Management*, 4(2), 77–90. <https://doi.org/10.18485/ijdrm.2022.4.2.5>
- 2021 Aktar, A., Shohani, K., Hasan, N., & **Hasan, M. K.** (2021). Flood Vulnerability Assessment by Flood Vulnerability Index (FVI) Method: A study on Sirajganj Sadar Upazila. *International Journal of Disaster Risk Management*, 3(1), 1–13. <https://doi.org/10.18485/ijdrm.2021.3.1.1>
- 2019 **Hasan, M.K.**, Hossain, M.T., Kobra, K.M., 2019. Analysis of Urbanization Trend and Its Impact on Pabna Municipality. *Asian Journal of Science and Technology*, Vol. 10, Issue. 9, pp. 10149-10153
- Marufuzzaman, M., Khanam, M.M., & **Hasan, M.K.**, (2019). Exploring the Impact of Urban Growth on Surface Waterbody Area Loss in Khulna City using GIS Techniques. *Journal of Remote Sensing and GIS*, Vol. 8, Issue. 2, doi: 10.4172/2469-4134.1000262
- Hossain, M.T., & **Hasan, M.K.**, (2019). Speed Analysis Approach to Evaluate Traffic Congestion in Pabna Town. *Journal of Urban and Regional Planning*, Vol. 4, Issue. 1, pp. 39-47, Doi: 10.11648/j.urp.20190401.14
- Hossain, M.T., & **Hasan, M.K.**, (2019). Assessment of Traffic Congestion by Traffic Flow Analysis in Pabna Town. *American Journal of Traffic and Transportation Engineering*, Vol. 4, Issue. 3, pp. 75-81, doi: 10.11648/j.ajtte.20190403.11
- 2015 Roy, T.K., **Hasan, M.K.**, & Hossain, M.S. (2015). Planning Intervention for Flood Control and Risk Management in Chilmari Upazila of Kurigram District. *Journal of Bangladesh Institute of Planners*, vol. 8, pp. 111-121, Dhaka, Bangladesh

Conference Proceedings

- 2015 Roy, T.K., **Hasan, M.K.**, & Hossain, M.S. (2015). Planning intervention for flood control and risk management in Chilmari Upazila, Kurigram, Bangladesh. Paper presented at Proceeding of 3rd International Conference on Civil Engineering for Sustainable Development, Khulna University of Engineering & Technology, Khulna, Bangladesh, 07-09 February 2020. ISBN: 978-984-34-0265-3

Under Review

Hasan, M.K., Rahman, M.M., & Kayes, A.N.M. Assessment of Social Vulnerability under Climate Change Risks in South-Western Coastal Region of Bangladesh. Article Submitted and Under Review, *Modeling Earth Systems and Environment*, Springer.

Hasan, M.K., Rahman, M.M., & Kayes, A.N.M. Understanding Livelihood Vulnerability to Climate Change in South-West Coastal Bangladesh: A Comprehensive Assessment in Dacope Upazila, Khulna. Article Submitted and Under Review, *Environment and Urbanization ASIA*.

Referee Will be provided on request.



Signature
Md. Kamrul Hasan