## **Personal Details**

Name :	Anisul Haque
Date of birth:	June 2, 1962
Nationality:	Bangladeshi
Present address:	Professor, IWFM, BUET, Dhaka-1000, Bangladesh.
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### **Qualifications**

Ph.D	February	1994	Department of Civil Engineering, K.U. Leuven, Belgium.
M.Sc	August	1989	Dept. of WRE., BUET, Dhaka, Bangladesh.
B.Sc	June	1986	Department of Civil Engineering, BUET, Dhaka, Bangladesh

### **Professional career positions**

August	2005	-		Present	Professor	IWFM, BUET
February	1999	-	July	2005	Associate Professor	IWFM, BUET
April	1994	-	January	1999	Assistant Professor	IWFM, BUET
February	1987	-	March	1994	Lecturer	IWFM, BUET

## Key areas of expertise

- 1. Resilience and Risk Analysis
- 2. Riverine, Estuarine and Coastal Processes.
- 3. Delta Dynamics.
- 4. Flow and Transport Processes.
- 5. Computational Fluid Dynamics.
- 6. Numerical Techniques and Modeling.
- 7. Basic Hydraulics.

## Key active/past research projects

- 1. Development of Community Resilience Model (CRM)
- 2. Development of Coupled Human And Natural System Model (CHANS)
- 3. Development of Dynamic Adaption Model (DAM)
- 4. Development of Dynamic Flood Risk Model (DFRM)
- 5. Development of Cyclone Classifier Model (CCM)
- 6. Development of Bangladesh Delta Model (BDM)
- 7. Research on Sediment Distribution and Management in South-West Region of Bangladesh.
- 8. Research on the Morphological processes under Climatic Changes, Sea Level Rise and Anthropogenic Intervention in the Coastal Zone.
- 9. Up taking Results of Climate Change Adaptations in South Asia.
- 10. Evaluation of adaptation trials for coastal livelihoods in GBM delta.
- 11. Research on water-related disaster mitigation and environment symbiosis technology in rural Bangladesh.
- 12. Road to the Rescue.
- 13. Deltas, vulnerabilities, and climate change: Migration and Adaptation (DECCMA)
- 14. Assessing health, livelihoods, ecosystem services and poverty alleviation in populous deltas.
- 15. Research on Disaster Prevention/Mitigation Measures against Floods and Storm Surges in Bangladesh.
- 16. Numerical Modeling for Non-cohesive and Cohesive Sediment Transport.
- 17. Modeling of density induced flow.

- 18. Effects of coastal phenomena due to extreme hydrologic and hydraulic events.
- 19. Experimental and theoretical study of local scour.
- 20. Impact of Climate and Sea Level Change in part of Indian Sub-Continent (CLASIC)

Level		Courses	Institution
Postgraduate	1.	Alluvial River Processes	IWFM, BUET
	2.	Hazards and Risk Analysis	IWFM, BUET
	3.	Coastal Zone Management	IWFM, BUET
	4.	Disaster Risk Reduction and Community Resilience	IWFM, BUET
	5.	Numerical Modeling in Water and Sediment Transport	IWFM, BUET
	6.	Integrated Modeling	IWFM, BUET
	7.	Urban Disaster and Risk Management	Institute of Disaster Management and Vulnerability Studies, University of Dhaka, Dhaka, Bangladesh.

#### CURRENT TEACHING AND ACADEMIC INVOLVEMENT

## Thesis Supervised (Ph.D, M.Sc and PG. Dip.)

- 1. Development of an integrated river bank erosion management framework in tidal plain (Ph.D)
- 2. Salinity hazard assessment in coastal area of Bangladesh (M.Sc)
- 3. Determination of critical risk due to storm surges in the coastal zone of Bangladesh (M.Sc)
- 4. Impacts of dynamic interaction between astronomical tides and monsoon wind on coastal flooding in Bangladesh (M.Sc)
- 5. Morphological changes in channels due to cyclone generated hydrodynamic shock (M.Sc)
- 6. Quasi real time prediction of storm surge inundation for the coastal region of Bangladesh (M.Sc)
- 7. Flood damage and risk assessment model in the haor basin of Bangladesh (M.Sc)
- 8. Environmental impact due to change in geometric characteristics of the Kapataksha River (M.Sc)
- 9. Seasonal variation of fish migration in Sariakandi fish pass (M.Sc)
- 10. Changes of environmental parameters due to salinity intrusion in the southwest region of Bangladesh (M.Sc)
- 11. Development of a sustainable livelihood security model for storm surge hazard in coastal area of Bangladesh (M.Sc)
- 12. Analytical simulation of dynamic interdependency between economy and lotic ecology at the meandering river basin (M.Sc)
- 13. Performance evaluation of Sariakandi fish pass (PG. Dip)
- 14. Effect of land use change on geometric characteristics of the Buriganga river (PG.Dip.)

#### **Journal publications**

- Marin Akter, Mohammad Abdul Alim, Md. Manjurul Hussain, Kazi Shamsunnahar Mita, Anisul Haque, Md. Munsur Rahman, Md. Rayhanur Rahman (2024), Development of a Semi-Analytical Dynamic Force Model, International Journal of Applied Mathematics, Computational Science and Systems Engineering, Volume 6, 2024, doi: 10.37394/232026.2024.6.6
- Anisul Haque, Shampa, Marin Akter, Md. Manjurul Hussain, Md. Rayhanur Rahman, Mashfiqus Salehin, Munsur Rahman (2024), An integrated risk-based early warning system to increase community resilience against disaster, Progress in Disaster Science, Volume 21, January 2024, 100310, https://doi.org/10.1016/j.pdisas.2023.100310
- Salman Ferdous, S., Islam, J. M. T, Islam, A. K. M. S., Haque, A. (2023), Assessing Land Use Change and Its Impact on Ecosystem Services in Khulna Conurbation. Remote Sensing of Land, 7(1), 21-31. DOI: <u>https://doi.org/10.21523/gcj1.2023070102</u>
- Munsur Rahman, Shampa, Anisul Haque, Hajime Nakagawa, Hao Zhang, Ashiqur Rahman, Maruf Dustegir, Motaher Hossain, Muhammad Muktadir Hussain, Johurul Islam, Sudipta Kumar Hore (2023), Sediment management using bandal-like structures as nature-based solution, Environmental Fluid Mechanics, <u>https://doi.org/10.1007/s10652-023-09945-x</u>.
- 5. Rezaie AM and **Haque A.** (2022), Development of Storm Surge Inundation Model and Database for Enhanced Climate Services in Bangladesh. Front. Water 4:887631. doi: 10.3389/frwa.2022.887631.
- Rahman Md. Munsur, Anisul Haque, Robert J. Nicholls, Stephen E. Darby, Mahmida Tul Urmi, Md. Maruf Dustegir, Frances E. Dunn, Anika Tahsin, Sadmina Razzaque, Kevin Horsburgh, Md. Aminul Haque (2022), Sustainability of the coastal zone of the Ganges-Brahmaputra-Meghna delta under climatic and anthropogenic stresses, Science of the Total Environment 829 (2022) 154547, http://dx.doi.org/10.1016/j.scitotenv.2022.154547
- Rahman Md. Rayhanur, Anisul Haque, A.K. Azad, Marin Akter, Hamima Huma, Mehedi Hasan Shuvo, Umme Khadeja Peal, Md. Munsur Rahman (2021), Effectiveness of selected planned adaptations in micro level: Evidence from coastal community in Bangladesh, Progress in Disaster Science 12 (2021) 100208, <u>http://dx.doi.org/10.1016/j.pdisas.2021.100208</u>.
- 8. Marin Akter, **Anisul Haque**, Dewan Sadia Karim, Munsur Rahman, Mashfiqus Salehin, Rubaiya Kabir, Mohammad Abdul Alim, Mohammad Asif ul Haq (2021), Development of an adaptation model by applying non-linear programming to compute adaptation deficiency in climatic hotspots, Progress in Disaster Science 12 (2021) 100201, <u>http://dx.doi.org/10.1016/j.pdisas.2021.100201</u>.
- Shouvik Das, Sugata Hazra, Anisul Haque, Munsur Rahman, Robert J. Nicholls, Amit Ghosh, Tuhin Ghosh, Mashfiqus Salehin, Ricardo Safra de Campos (2021), Social vulnerability to environmental hazards in the Ganges-Brahmaputra-Meghna delta, India and Bangladesh, International Journal of Disaster Risk Reduction 53 (2021) 101983, <u>https://doi.org/10.1016/j.ijdrr.2020.101983</u>

- Attila Nándor Lázár, Robert James Nicholls, Jim William Hall, Emily Jane Barbour, Anisul Haque 2020), Contrasting Development Trajectories for Coastal Bangladesh to the End of Century, Regional Environmental Change (2020) 20: 93, <u>https://doi.org/10.1007/s10113-020-01681-y</u>
- 11. Verschuur, J., E.E. Koks, **A. Haque**, J.W. Hall (2020), Prioritising resilience policies to reduce welfare losses from natural disasters: A case study for coastal Bangladesh, Global Environmental Change 65 (2020) 102179, <u>https://doi.org/10.1016/j.gloenvcha.2020.102179</u>
- Akter, M., Kabir, R., Karim, D.S., Haque, A., Rahman, M., Haq, M.A., Jahan, M. and Asik, T.Z. (2019), Determining the most sensitive socioeconomic parameters for quantitative risk assessment, Climate 2019, 7, 107; doi:10.3390/cli7090107, <u>https://www.mdpi.com/2225-1154/7/9/107</u>
- 13. Akter, R., Asik, T.Z., Sakib, M., Akter, M., Sakib, M.N., Al Azad, A.S.M., Maruf, M., **Haque, A.** and Rahman, M. (2019), The dominant climate change event for salinity intrusion in the GBM delta, Climate, 2019, 7, 69, doi: 10.3390 / cli7050069, <u>https://www.mdpi.com/2225-1154/7/5/69/pdf</u>
- 14. Adnan, M.S.G, **Haque**, A. and Hall, J.W. (2019), Have coastal embankments reduced flooding in Bangladesh ?, Science of the Total Environment, <u>https://doi.org/10.1016/j.scitotenv.2019.05.048</u>
- Kabir, R., Akter, M., Karim, D.S., Haque, A., Rahman, M., Sakib, M. (2019), Development of a matrix based statistical framework to compute weight for composite hazards, vulnerability and risk assessments, Climate 2019, 7, 56; doi:10.3390/ cli7040056, <u>https://www.mdpi.com/2225-1154/7/4/56/pdf</u>
- Akter, M., Jahan, M., Kabir, R., Karim, S., Haque, A., Rahman, M. and Salehin, M. (2019), Risk assessment based on fuzzy synthetic evaluation method, Science of the Total Environment, 658 (2019), 818-829, <u>https://doi.org/10.1016/j.scitotenv.2018.12.204</u>
- Al Azad, A.S.M.A., Mita, K.S., Zaman, M.W., Akter, M., Asik, T.Z., Haque, A., Hussain, M.A., Rahman, M.M. (2018), Impact of tidal phase on inundation and thrust force due to storm surge, Journal of Marine Science and Engineering, 2018, 6, 110; doi:10.3390/jmse6040110.
- Mondal, S.M., Islam, A.K.M, Haque, A., Islam, M.R., Biswas, S. and Mahmud, K. (2018), Assessing high-end climate change impacts on floods in major rivers of Bangladesh using multi-model simulations, Global Science and Technology Journal, Vol.6, No.2, June 2018, pp. 1-14, <u>http://www.gstjpapers.com/</u>
- Rahman, M., Dustegir, M., Karim, R., Haque, A., Nichols, R.J., Darby, S.E., Nakagawa, H., Hossain, M., Dunn, F.E. and Akter, M. (2018), Recent sediment flux to the Ganges-Brahmaputra-Meghna delta system, Science of the Total Environment 643 (2018) 1054–1064, <u>https://doi.org/10.1016/j.scitotenv.2018.06.147</u>
- 20. Brown, S., Nicholls, R.J., Lazar, A.N., Hornby, D., Hill, C., Hazra, S., Addo, K. A., Haque, A., Caesar, J. and Topkins (2018), What are the implications of sea level rise for a 1.5, 2 and 3<sup>o</sup>C rise in global mean temperatures in the Ganges-Brahmaputra-Meghna and other vulnerable deltas ? Regional Environmental Change, <u>https://doi.org/10.1007/s10113-018-1311-0</u>

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- 22. Payo, A., A.N. Lazar, D. Clarke, R.J. Nichols, L. Bricheno, S. Mashfiqus and A. Haque (2016), Modelling daily soil salinity dynamics in response to agricultural and environmental changes in coastal Bangladesh, Earth's Future, 5, doi 10.1002/2016EF000530.
- 23. Payo, A., Mukhopadhyay, A., Hazra, S., Ghosh, T., Ghosh, S., Brown, S., Nicholls, R., Bricheno, L., Wolf, J., Kay, S., Lazar, A., Haque, A. (2016), Projected changes in area of the Sundarban mangrove forest in Bangladesh due to SLR by 2100, Climatic Change, DOI 10.1007/s10584-016-1769-z, August 2016.
- Mutahara, M., Haque, A., Khan, M.S.A., Warner, J.F., Wester, P. (2016), Development of a sustainable livelihood security model for storm surge hazard in the coastal areas of Bangladesh, Stochastic Environmental Research and Risk Assessment, DOI 10.1007/s00477-016-1232-8, Springer, Published Online 18 March 2016.
- 25. **Haque, A**., Sumaiya and Rahman, M.M. (2016), Flow distribution and sediment transport mechanism in the estuarine systems of Ganges-Brahmaputra-Meghna delta, International Journal of Environmental Science and Development, Vol.7, No.1, January 2016.
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- Islam, A.S., Bala, S.K. and Haque, A. (2010), Flood Inundation Map of Bangladesh using MODIS Time Series Images, Journal of Flood Risk Management, Vol.3, Issue 3, pp. 210-222, September 2010.
- 28. Nazimuddin, M., **Haque. A.** and Salequzzaman, M. (2010), A Bio-Physical Relationship: Biodiversity with Salinity, Journal of Subtropical Agricultural Research and Development 8(3): pp.794-799, June 2010.
- 29. Nazimuddin, M. and **Haque, A.** (2010), Salinity Response in Southwest Coastal Region of Bangladesh due to Hydraulic and Hydrologic Parameters, International Journal of Agricultural Sustainability. Tech. 6(3): pp. 1-7, March 2010.
- 30. Islam, A.K.M., **Haque**, A. and Bala, S.K. (2010), Hydrologic Characteristics of Floods in Ganges-Brahmaputra-Meghna (GBM) Delta, Nat. Hazards (2010) 54:797-811, March 2010.
- 31. **Haque, A.**, Khan, M.S.A., and Islam, G.M.T., Mitigation of local scour at bridge site using sacrificial piles, Journal of Hydrology and Meteorology, Nepal, 5(1), 2008.

- 32. Sarker, L.K., Hossain, M.M. and **Haque**, A. (2007), Incipient motion of different size fractions in non-uniform sediments of smaller grain sizes, ISH Journal of Hydraulics, India, Vol.12, No.1, September 2007.
- 33. Sarker, L.K., Hossain, M.M. and **Haque**, A. (2007), Shear Stress for Initiation of Motion of Nonuniform Sediment Mixtures, International Journal of Sediment Research, Vol.22, No.3, September 2007.
- 34. **Haque, A.**, Rahman, M.M., Islam, T and Hussain, A.M. (2007), Scour mitigation at bridge piers using sacrificial piles, International Journal of Sediment Research, Vol.22, No.1, March 2007.
- 35. Salehin, M., **Haque, A.**, Rahman, R., Khan, M.S.A. and Bala, S.K. (2007), Hydrological aspects of 2004 floods in Bangladesh, Journal of Hydrology and Meteorology, Vol.4, No.1, March 2007.
- 36. Rahman, M.M, Nakagawa, H, Ito, N, **Haque, A**, Islam, T, Rahman, R and Hoque, M. (2006), Prediction of local scour depth around bundle-like structures, Annual Journal of Hydraulic Engineering, JSCE, Vol.50., February 2006.
- 37. **Haque, A.** (2005), A semi-implicit finite element method for tidal flow modeling, Journal of Indian Water Resources Society, Vol.25, No.1, 2005.
- 38. Rahman, M.M., Nakagawa, H. and **Haque, A**. (2004), Scouring around spur-dikes in alluvial floodplain rivers, Annual Journal of Hydraulic Engineering, JSCE, Vol.48., February 2004.
- 39. Rahman, M.M. and **Haque**, A. (2004), Local scour at slopped-wall spur-dike-like structures in alluvial rivers, Technical Note, Journal of Hydraulic Engineering, ASCE, Vol. 130, No.1, pp. 70-74, January 2004.
- 40. Rahman, M.M. and **Haque**, A. (2003), Local scour estimation at bridge site : Modification and application of Lacey formula, International Journal of sediment Research, Vol.18, No.4, 2003.
- 41. **Haque, A.** and Kabir, M.R. (2002), Application of a turbulent stress-flux model in the Lower Meghna estuary, Bangladesh Journal of Water Resource Research, Vol.19, pp.1-17, December 2002.
- 42. Rahman, M.M., **Haque, A**. and Hoque, M.M. (2002), Applicability of the bend development theory in natural alluvial river, International Journal of Sediment Research, Vol. 17, No.3, pp. 210-218, September 2002.
- 43. Rahman, M.M. and **Haque**, A. (2002), Flow field and the maximum local scour depth around piers and abutments, Journal of Indian Water Resources Society, Vol.22, No.3, pp. 117-124, July 2002.
- 44. **Haque, A.** and Berlamont, J. (1998), Modelling density and turbulence in stratified tidal medium, Journal of Hydraulic Engineering, ASCE, Vol.124, No.2, pp.135-145, February 1998.

#### **Book Chapters**

- Shamima Airin Sweety, M. Shah Alam Khan, Anisul Haque, and Mashfiqus Salehin (2022), An Agent Based Model of Mangrove Social-Ecological System for Livelihood Security Assessment, G. M. Tarekul Islam et al. (eds.), Water Management: A View from Multidisciplinary Perspectives, Springer Nature Switzerland AG 2020, https://doi.org/10.1007/978-3-030-95722-3\_16
- Shampa, Haque A., Rahman M.A., Hossain D., Azad A.A., Mita S. (2021), Evaluating Future Threats of Climate Change on Riverine and Coastal Chars. In: Zaman M., Alam M. (eds) Living on the Edge. Springer Geography. Springer, Cham. <u>https://doi.org/10.1007/978-3-030-73592-0\_11</u>
- Tahsin Anika, Sadmina Razzaque, Anisul Haque, Imran Hossain Newton, Abul Fazal M. Saleh, Rowshan Mamtaz, Md Ibnul Hasan, Md. Aminul Islam Khan, Flavia Simona Cosoveanu, and Cecilia Borgia (2020), Impact of Internal Road Network on Water-Logging Inside Polders, A. Haque, A. I. A. Chowdhury (eds.), Water, Flood Management and Water Security Under a Changing Climate, Springer Nature Switzerland AG 2020, <u>https://doi.org/10.1007/978-3-030-47786-8\_2</u>
- Hill, C., Dunn, F., Haque. A., Johnson, F.A., Nicholls, R.J., Raju, P.V. and Addo, K.A. (2019), Hotspots of Present and Future Risk Within Deltas: Hazard, Exposure and Vulnerability, Deltas in the Anthropocene, R.J. Nicholls et al. (eds.), Palgrave Macmillan, Springer Nature Switzerland AG, <u>https://doi.org/10.1007/978-3-030-23517-8</u>
- Rahman, M.M., Ghosh, T., Salehin, M., Ghosh, A., Haque, A., Hossain, M.A., Das, S., Hazra, S., Islam, N., Sarkar, M.H., Nicholls, R.J., Hutton, C.W. (2019), Ganges-Brahmaputra-Meghna Delta, Bangladesh and India: A Transnational Mega-Delta, Deltas in the Anthropocene, edited by Nicholls, R.J., Hutton, C.W., Hanson, S.E., Palgrave Macmillan, Springer Nature Switzerland.
- Haque, A. and Nichols, R.J. (2018), Floods and the Ganges-Brahmaputra-Meghna delta, Ecosystem Services for Well-Being in Deltas, R. J. Nicholls et al. (eds.), Palgrave Macmillan, UK, London, Springer Nature, <u>https://doi.org/10.1007/978-3-319-71093-8\_8</u>
- Haque, A., Kay, S. and Nichols, R.J. (2018), Present and future fluvial, tidal and storm surge flooding in coastal Bangladesh, Ecosystem Services for Well-Being in Deltas, R. J. Nicholls et al. (eds.), Palgrave Macmillan, UK, London, Springer Nature, <u>https://doi.org/10.1007/978-3-319-71093-8\_8</u>
- Hussain, M. A., Hossain, M. A. and Haque, A. (2012), "Hydro-meteorological Impact on Residual Currents and Salinity Distribution at the Meghna Estuary of Bangladesh", Coastal Environments: Focus on Asian Regions, V. Subramanian (Ed.), Jointly published by Springer and Capital Publishing Company, ISBN 978-90-481-3001-6, 2012.
- 9. Hoque, M.M., Bala, S.K., Ahmed, S.M.U., **Haque, A**. and Mamun, S.A. (2002), Impact of the 1998 flood on the morphology of rivers around bridges, Engineering Concerns of Flood, Ed. M. Ashraf Ali et al., pp. 201-212, BUET, Dhaka, August 2002.
- 10. **Haque A.**, Salehin, M. and Chowdhury, J.U. (2002), Effects of coastal phenomena on the 1998 flood, Engineering Concerns of Flood, Ed. M. Ashraf Ali et al., pp. 241-251, BUET, Dhaka, August 2002.

- 11. Hoque, M.M. and **Haque**, A. (1994), Finite element computer model for salinity intrusion in estuaries, Proceedings of 9<sup>th</sup> Congress of the Asian and Pacific Division, IAHR, H. Cheong et al. eds., Vol.3, pp.286-291, August 1994.
- 12. **Haque, A**. and Berlamont, J. (1994), A finite element model for density induced flow, Advances in Hydro-Science and Engineering, Sam S.Y. Wang (ed.), Vol.1, pp.690-696, June 1994.
- 13. Choudhury, J.U. and **Haque**, **A**. (1990), Permissible water withdrawal based upon prediction of saltwater intrusion in the Meghna delta, The Hydrological Basis for Water Resources Management, IAHS publication no.197, U.Shamir and C.Jiaqi eds., pp. 111-117, October 1990.

### **Conference Proceedings**

- 1. Quamrul Ahsan, **Anisul Haque**, Sadmina Razzaque, Shadman Sakib, Delowar Hossain, Anika Tahsin, Imran Hossain Newton, Afroza Akther, Munsur Rahman, Aminul Haque (2023), Bangladesh Delta Model, Part-I: An Integrated Modeling Framework for a Dynamically Connected Ganges-Brahmaputra-Meghna Rivers and the Bay of Bengal, Book of Abstract from the International Perspective on Water Resources and the Environment (IPWE-2023), Dhaka, Bangladesh, January 2023.
- 2. Anisul Haque, Quamrul Ahsan, Sadmina Razzaque, Shadman Sakib, Delowar Hossain, Anika Tahsin, Imran Hossain Newton, Afroza Akther, Munsur Rahman, Aminul Haque (2023), Bangladesh Delta Model, Part-II: Evaluating Sediment Management Options in the Ganges-Brahmaputra-Meghna Delta, Book of Abstract from the International Perspective on Water Resources and the Environment (IPWE-2023), Dhaka, Bangladesh, January 2023.
- 3. Ali Mohammad Rezaie, **Anisul Haque** (2023), Quasi-Real Time Storm Surge Inundation Prediction System for the Coastal Areas of Bangladesh using Coastal Numerical Model and Artificial Neural Network, Book of Abstract from the International Perspective on Water Resources and the Environment (IPWE-2023), Dhaka, Bangladesh, January 2023.
- 4. Ali Mohammad Rezaie, **Anisul Haque** (2023), Development of Storm Surge Inundation Model and Database for Enhanced Climate Services in Bangladesh, Book of Abstract from the International Perspective on Water Resources and the Environment (IPWE-2023), Dhaka, Bangladesh, January 2023.
- 5. Marin Akter, Shamima Airin Sweety, **Anisul Haque**, Mashfiqus Salehin (2023), Integrated Assessment of Coupled Human & Natural Systems for Sundarban Social-Ecological System to Ensure Sustainable and Equitable Livelihoods, Book of Abstract from the International Perspective on Water Resources and the Environment (IPWE-2023), Dhaka, Bangladesh, January 2023.
- 6. Md. Rayhanur Rahman, **Anisul Haque**, Md. Munsur Rahman (2023), Development of a Participatory Disaster Resilient Housing Design and its Performance against Realtime Cyclones, Book of Abstract from the International Perspective on Water Resources and the Environment (IPWE-2023), Dhaka, Bangladesh, January 2023.
- Haque, A., M. H. Shourov, Al Azad, K. S. Mita, W. Zaman, S. Mazhar, M. Ali, R. Kabir, M. A. Ansary, R. Ahsan, M.M Rahman, B.Rashid, Y. BABA, H. Nakagawa (2019), A Cyclone Classifier Model for Real-time Cyclone Warning in Bangladesh, 4th Global Summit of Research Institutes for Disaster Risk Reduction, Kyoto, Japan, March 13-15, 2019.

- Tahsin, A., Razzaque, S., Newton, I.H., Haque, A., Saleh, A.F.M., Mamtaz, R., Hasan, I., Cosoveanu, F.S. and Borgia, C. (2019), Impact of Internal Road Network on Water-Logging inside Polders, Book of Abstracts, 7th International Conference on Water and Flood Management (ICWFM), 2-4 March 2019, Dhaka, Bangladesh.
- 9. Mita, K.S., Al Azad, A.S.M.A., Zaman, W.M., Sakib, M., Amin, R., Asik, T.Z., Haque, A., Rahman, M. (2018), Effectiveness of adaptive measures against storm surge hazard based on field experience from a real time cyclone in Bangladesh coast, Proceedings of 2<sup>nd</sup> International Conference on Sustainable Development, Institute of Development Studies and Sustainability, United International University, Dhaka, Bangladesh, July, 2018.
- Asik T.Z., Al-Azad A.S.M.A., Akter R., Sakib M., Haque A., and Rahman M., (2018), Generating a Plausible Future of Salinity Intrusion due to Mora-Like Cyclone along the Coast of Bangladesh, 21st Congress of International Association for Hydro-Environment Engineering and Research (IAHR), Asia Pacific Division (APD), 2-5 September, Yogyakarta, Indonesia.
- 11. Kabir, R., Jahan, M., Akter, M., Tasnim, N., **Haque, A.** and Rahman, M. (2018), Spatio-temporal variability of vulnerability in Bangladesh coast by using Fuzzy Synthetic Evaluation Method, Proceedings of the 21<sup>st</sup> IAHR-APD Congress, 2018, Yogyakarta, Indonesia.
- 12. Mita, K.S., Azad, A.A., Zaman, M.W., Sakib, M., Amin, G.M.R, Asik, T.Z., Haque, A., Rahman, M.M. (2018). Effectiveness of Adaptive Measures against Storm Surge Hazard based on Field Experience from a Real Time Cyclone in Bangladesh Coast. 2<sup>nd</sup> UIU International Conference on Sustainable Development, Dhaka, Bangladesh, 2018.
- 13. Saddam, H., Ansary, M., Akter, M., **Haque, A.**, Rahman, M. (2018), Geotechnical stability coastal polder of Bhola district in Bangladesh coast against cyclonic storm surges using PLAXIS, 2<sup>nd</sup> UIU International Conference on Sustainable Development, Dhaka, Bangladesh, 2018.
- 14. Dustegir, M, Islam, R., Rahman, M., Haque, A., Karim, R., Amin, R., Rahman, L, Hossain, M., Nakagawa, H. and Hasegawa, Y., Historical evolution of channel shifting and its response to traditional bank protection work along a reach of the sand bed braided Jamuna / Brahmaputra, E-proceedings of the 37th IAHR World Congress, August 13 18, 2017, Kuala Lumpur, Malaysia.
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