

NAME AND AFFILIATION Dr. Md. Munsur Rahman
Institute of Water and Flood Management, Bangladesh University of Engineering and Technology

POSITION Professor

CONTACT DETAILS [mmrahman@iwfm.buet.ac.bd/](mailto:mmrahman@iwfm.buet.ac.bd) munsurbuet1989@gmail.com
Cell: 01552399905

EDUCATION

JSPS Post-Doctoral Research Fellow	2002-2004	Disaster Prevention Research Institute, Kyoto University (Japan Society for the Promotion of Science Fellowship, JSPS)
PhD	1999	Graduate School of Civil Engineering, Kyoto University, JAPAN. (Japanese Government scholarship)
Msc in Civil Engineering	1996	Kyoto University, JAPAN. (Japanese Government scholarship)
Bsc in Civil Engineering	1989	Department of Civil Engineering, Bangladesh University of Engineering and Technology (BUET)

PROFESSIONAL EXPERIENCE

Duration	Position	Employers
2008-continuing	Professor	Institute of Water and Flood Management (IWFM), Bangladesh University of Engineering and Technology (BUET)
2011- 2013	Director	IWFM, BUET
2006- 2008	Associate Professor	IWFM, BUET
1999- 2006	Assistant Professor	IWFM, BUET

RESEARCH FOCUS

Munsur Rahman is currently a Professor at Institute of Water and Flood Management (IWFM), Bangladesh University of Engineering and Technology (BUET). He became a Professor at the Institute of Water and Flood Management (IWFM) at BUET in 2008. From 2002 -2004, he enrolled as a JSPS research fellow at the Disaster Prevention Research Institute (DPRI), Kyoto University, working on low-cost, experience-based techniques looking to solve a wide range of water resources problems in Bangladesh. Some findings are being practiced by the community through International/local NGOs as well as through Bangladesh Water Development Board (BWDB). During 2007-2009, he executed a collaborative research with Vietnam, Cambodia and UK funded by DelpHE on the issue of river erosion bank protection and social response. He is a member in the Belmont Forum delta project where 26 institutions globally working together through coordinated international effort for sustainable delta management and PI of the three large transdisciplinary research projects (JICA-JST, ESPA Deltas, DECCMA and its extension) funded by different international agencies such as DFID/UKAID, JICA, IDRC. These projects aim to explore the consequences of climate change on water related disasters, ecosystems services in deltas and migration and adaptation in African and Asian Deltas. The primary and secondary information generated through each of the large scales projects are being integrated within a common framework. The tool (DDIEM) developed within the ESPA Deltas project is planned to extend for the DECCMA project and REACH project (Dr Rahman is a member of the REACH

team from BUET) as well as in the long term national level planning, Bangladesh Delta Plan 2100 (BDP2100). Further the tools developed in the above trans disciplinary projects such as Cyclone Classifier Model (CCM), Dynamic Flood Risk Model (DFRM), Dynamic Adaptation Model (DAM) are being utilized as decision making tool in relevant sectors of Bangladesh as planning, development, warning and adaptation. Moreover, Prof Munsur worked as a focal point to guide the formulation team in general and to provide the ESPA Deltas results useful in BDP 2100.

SELECTED PROJECTS, INCLUDING NATIONAL AND INTERNATIONAL COLLABORATIONS

A) Research Projects:

PI: “Up taking Results of Climate Change Adaptations in South Asia”, IDRC, 2020-2021 (ongoing)

PI: “Evaluation of adaptation trials for coastal livelihoods in GBM delta, **CDKN**. 2019-2020 (ongoing)

PI: “Research on water-related disaster mitigation and environment symbiosis technology in rural Bangladesh with Kyoto University, Japan, Funded by JSPS, 2020-2024 (ongoing).

PI: “Deltas, vulnerabilities and climate change: Migration and Adaptation (DECCMA)”, under the CARIIA program of IDRC-Canada and DFID, On-going; Collaborative Partners are University of Southampton (UK Lead), IWFM-BUET (Bangladesh Lead), Jadavpur University (India Lead) and University of Ghana (Ghana Lead). 2012-2018

PI: “Assessing health, livelihoods, ecosystem services and poverty alleviation in populous deltas”, under the Ecosystem Services for Poverty Alleviation (ESPA) programme funded by the UK Department for International Development (DFID), the Natural Environment Research Council (NERC) and the Economic and Social Research Council (ESRC). Collaborative partners are University of Southampton (UK Lead), IWFM-BUET (Bangladesh Lead), Jadavpur University (India Lead), 2010-2018

PI: “Research on Disaster Prevention/Mitigation Measures against Floods and Storm Surges in Bangladesh”, funded by JST-JICA Funded; Japanese Lead: DPRI, Kyoto University, Bangladesh Lead: IWFM, BUET. 2014-2019.

Co-I : “Research on Sediment Distribution and Management in South-West Region of Bangladesh”, The project is funded by Government of Bangladesh and implemented by Water Resources Planning Organization (WARPO), on 2019-2020 (ongoing).

Co-I : “Research on the Morphological processes under Climatic Changes, Sea Level Rise and Anthropogenic Intervention in the Coastal Zone”, The project is funded by Government of Bangladesh and implemented by Water Resources Planning Organization (WARPO), 2018-2019.

Co-I: Catalyzing action towards sustainability of deltaic systems with an integrated modeling framework for risk assessment (2013-2016), Funded by Belmont Forum / G8HORCs International Opportunities Fund, Coastal Vulnerability Theme, G8MUREFU3-2201-037.

Co-I: “REACH: Improving Water Security for the Poor”, REACH is a seven-year, global programme of research (2015-2022) funded with UK aid from the UK government; led by Oxford University; Bangladesh Lead - IWFM, BUET, with University of Dhaka and icddr,b as research partners and UNICEF Bangladesh Strategic Partner. On-going

B) Important National level Advisory Services

1. Team Leader, Disaster recovery strategy, Client: National Resilience Program (UNDP), 2021 (ongoing)
2. Team Leader, Flood Preparedness Program (FPP), Client: National Resilience Program (UNDP), 2019-2021(ongoing)

3. Team Leader, Community Focused Guideline Development of Bandal Installation, Client: GUK/OXFAM, 2020.
4. Investigator as River Morphologist, Feasibility Study and Detailed Design for Development of Jetties and infrastructure at Mirsarai & Sandwip at Chittagong, Subrang and Jaliar Dwip at Teknaf and Sonadia Dwip at Cox's Bazar, Client: BEZA/BIWTA, 2018-2019.
5. Investigator as River Morphologist, Feasibility Study with ESIA for Resuscitation of Ichamoti River in Pabna District, Client: BWDB, 2018-2019
6. Investigator as River Morphologist, Feasibility Study for Flood Control, Drainage and Irrigation System at Gowainghat in Sylhet District, Client: BWDB, 2018-2019
7. Team Leader, Hydro morphological study of the of the Pyra river at Lebukhali Cantonment in Potuakhali, Client: MIST 2016-2017.
8. Investigator as River Engineering specialist in Morphological Stability/Planform Shifting Analysis of the Kirtonkhola river at Taltala, Power Grid Company of Bangladesh Ltd. (PGCB), 2019.
9. Hydrological and Morphological Study of Several Bridges, LGED, Dhaka, 2019
10. Hydrological and Morphological Study of Several Bridges, LGED, Dhaka, 2018
11. Hydrological and Morphological Study of Several Bridges, LGED, Dhaka, 2017
12. Hydrology and morphology study work under detail feasibility study for Bangabandhu Sheikh Mujib International Airport project, 2018
13. Hydro-morphological study for the extension of runway of Cox's Bazar International Airport, 2018
14. Hydro-morphological study for Integrated Development of Lebukhali Cantonment, 2016
15. Hydrological and Morphological Study of Several Bridges, LGED, Dhaka, 2016
16. Hydrological and Morphological Study of 36 Bridges, LGED, Dhaka, 2015
17. Hydrological and Morphological Study of 18 Bridges, LGED, Dhaka, 2011-2014

C) Special Assignments:

BUET Team Lead, Concept note on Managing Brahmaputra-Jamuna River System, BWDB, 2019

TEACHING AND ACADEMIC INVOLVEMENT

Level of Teaching	Courses	Institution
Undergraduate	1. River Engineering and Flood Mitigation	Islam University of Technology, Military Institute of Science and Technology
	2. Integrated Water Resources Management	Islam University of Technology
	3. Socio-economic Issues in Development Projects	Islam University of Technology
	4. Professional Ethics in Civil Engineering Projects	Military Institute of Science and Technology
Postgraduate (Msc/PhD)	1. Alluvial River Processes	IWFM, BUET
	2. Water and Ecosystem	IWFM, BUET
	3. River and Floodplain Management	IWFM, BUET
	4. Survey in water Resources Projects	IWFM, BUET

Supervision of Graduate Students

Awarded 1 PhD and 8 Msc degree with the focus of interdisciplinary research and currently 6 students at Msc level and 1 student at PhD level are working.

Member selection Board, Department of Civil Engineering, Rajshahi University of Engineering and Technology (RUET), 2010 - continuing

SELECTED PUBLICATIONS

Journals

1. Mahua Mukherjee, Kumar Abhinay, Md. Munsur Rahman, Sonam Yangdhen, Subir Sen, Basanta Raj Adhikari, Rekha Nianthi, Sanya Sachdev, Rajib Shaw (2023): Extent and evaluation of critical infrastructure, the status of resilience and its future dimensions in South Asia, *Progress in Disaster Science*, <https://doi.org/10.1016/j.pdisas.2023.100275>.
2. Daniella Hirschfeld, David Behar, Robert Nicholls, Niamh Cahill, Ben Horton, Thomas James, Michelle E. Portman, Rob Bell, Matt Campo, Miguel Esteban, Bronwyn Goble, Munsur Rahman, Kwasi Appeaning Addo, Faiz Ahmed, Monique Aunger, Orly Babitsky, Anders Beal, Ray Boyle and Jiayi Fang (2023): A Global Survey of the Application of Sea-Level Projections, *Nature - Communications Earth & Environment* (Accepted).
3. Rahman et al. (**Md. Munsur Rahman**, 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 Total Environment*, <http://dx.doi.org/10.1016/j.scitotenv.2022.154547>
4. Leslie Valentine, Carol A. Wilson, **Md. Munsur Rahman** (2022): Flood risk of embanked areas and potential use of dredge spoils as mitigation measures in the southwest region of the Ganges–Brahmaputra–Meghna Delta, Bangladesh, *Earth Surf. Process. Landforms*. 2022;47:1073–1088. <http://wileyonlinelibrary.com/journal/esp>
5. Yujuan Sun, Lucy M. Bricheno, Marta Payo-Payo, **Md. Munsur Rahman**, Neil M. Burns (2022): Simulation of freshwater transport network and salt flux in the Bangladesh delta, <https://doi.org/10.1016/j.ecss.2022.107839>
6. Jana R. Cox, Mandy Paauw, Jaap H. Nienhuis, Frances E. Dunn, Eveline van der Deijl, Christopher Esposito, Marc Goichot, Jasper R.F.W. Leuven, Dirk S. van Maren, Hans Middelkoop, Safaa Naffa,

- Munsur Rahman**, Christian Schwarz, Eline Sieben, Annisa Triyanti, Brendan Yuill (2022): A global synthesis of the effectiveness of sedimentation-enhancing strategies for river deltas and estuaries, <https://doi.org/10.1016/j.gloplacha.2022.103796>
7. Marine et al. (2021): Development of an adaptation model by applying non-linear programming to compute adaptation deficiency in climatic hotspots, *Progress in Disaster Science*: <https://doi.org/10.1016/j.pdisas.2021.100201>.
 8. Rahman et al. (2021): Effectiveness of selected planned adaptations in micro level: Evidence from coastal community in Bangladesh, *Progress in Disaster Science*, Volume 12, December 2021, 100208, <https://doi.org/10.1016/j.pdisas.2021.100208>
 9. Das, Shouvik, Hazra, Sugata, Haque, Anisul, **Rahman, Munsur**, Nicholls, Robert J., Ghosh, Amit, Ghosh, Tuhin, Salehin, Mashfiqus and Safra De Campos, Ricardo (2021) Social vulnerability to environmental hazards in the Ganges-Brahmaputra-Meghna delta, India and Bangladesh. *International Journal of Disaster Risk Reduction*, 53. ISSN 2212-4209, DOI: 10.1016/j.ijdr.2020.101983
 10. Marin Akter, Momtaz Jahan, Rubaiya Kabir, Dewan Sadia Karim, Anisul Haque, **Munsur Rahman**, and Mashfiqus Salehin (2019): Risk assessment based on fuzzy synthetic evaluation method, *Science of the Total Environment* 658 (2019) 818–829.
 11. 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, <https://www.mdpi.com/2225-1154/7/9/107>
 12. 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, <https://www.mdpi.com/2225-1154/7/5/69/pdf>
 13. 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, <https://www.mdpi.com/2225-1154/7/4/56/pdf>
 14. 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, <https://doi.org/10.1016/j.scitotenv.2018.12.204>
 15. 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.
 16. **Munsur Rahman**, Maruf Dustegir , Rezaul Karim , Anisul Haque , Robert J. Nicholls , Stephen E. Darby , Hajime Nakagawa , Motahar Hossain , Frances E. Dunn , Marin Akter (2018): Recent sediment flux to the Ganges-Brahmaputra-Meghna delta system, *Science of the Total Environment* 643 (2018) 1054–1064.
 17. Akber, M.A., Islam, M.A., Ahmed, M., **Rahman, M.M.**, and Rahman, M.R. 2017. Changes of shrimp farming in southwest coastal Bangladesh. *Aquaculture International* 25(5), 1883-1889.
 18. Nicholls, R.J., Hutton, C.W., Lázár, A.N., Allan, A., Adger, W.N., Adams, H., Wolf, J., **Rahman, M.** and Salehin, M. (2016). Integrated assessment of social and environmental sustainability dynamics in the Ganges-Brahmaputra-Meghna delta, Bangladesh. *Estuarine, Coastal and Shelf Science*, pp. 1-12. doi: 10.1016/j.ecss.2016.08.017.

19. Chanda, A., Mukhopadhyay, A., Ghosh, T., Akhand, A., Mondal, P., Ghosh, S., Mukherjee, S., Wolf, J., Lázár, A.N., **Rahman, M.M.** and Salehin, M., (2016). Blue Carbon Stock of the Bangladesh Sundarban Mangroves: What could Be the Scenario after a Century?. *Wetlands*, pp.1-13. doi:10.1007/s13157-016-0819-7
20. Haque A., Sumaiya and **Rahman M.** (2016): Flow Distribution and Sediment Transport Mechanism in the Estuarine Systems of the Ganges-brahmaputra-Meghna Delta, *International Journal of Environmental Science and Development*, 7 (1), 22-30.
21. Darby, S. E., F. Dunn, R. J. Nicholls, **M. Rahman** and L. Riddy (2015). "A first look at the influence of anthropogenic climate change on the future delivery of fluvial sediment to the Ganges–Brahmaputra–Meghna delta." *Environmental Science: Processes & Impacts* 17: 1587-1600.
22. Sakib, M., Nihal, F., Haque, A., **Rahman, M.** and Ali, M. (2015) Sundarban as a Buffer against Storm Surge Flooding. *World Journal of Engineering and Technology*, 3, 59-64. <http://dx.doi.org/10.4236/wjet.2015.33C009>
23. Nicholls, R. J., Whitehead, P., Wolf, J., **Rahman, M.** and Salehin, M. (2015): The Ganges–Brahmaputra–Meghna delta system: biophysical models to support analysis of ecosystem services and poverty alleviation, *Environmental Science: Processes & Impacts*, 17, (6), 1016-1017.
24. Islam, G. M. T., A. K. M. S. Islam, A. A. Shopan, **M. M. Rahman**, A. N. Lázár and A. Mukhopadhyay (2015). "Implications of agricultural land use change to ecosystem services in the Ganges delta." *Journal of Environmental Management* 161: 443-452.
25. Mohiuddin Sakib, Fatin Nihal, Anisul Haque, **Munsur Rahman**, Mansur Ali (2015): Sundarban as a Buffer against Storm Surge Flooding, *World Journal of Engineering and Technology*, 3, 59-64.
26. Hossain, M. S., Dearing, J. A., **Rahman, M. M.**, Salehin, M. (2014) Recent changes in ecosystem services and human well-being in the Bangladesh coastal zone. *Regional Environmental Change* 16, 429-443.
27. Efi Foufoula-Georgiou et al. (R. Nicholls, Z. Matthews, J. Dearing, A. Lazar, **M.M. Rahman** (2013): A vision for a coordinated international effort on delta sustainability, *Deltas: Land forms, Ecosystems and Human Activities*, Editors: Gordon Young and Gerardo M.E. Perillo, Proceedings of HP1, IAHS/IAPSO/IASPEI Scientific Assembly, pp. 3-11, IAHS Press, Oxfordshire.
28. Mohammad Nazim Uddin and **Md. Munsur Rahman** (2012): Flow and erosion at a bend in the braided Jamuna River, *International Journal of Sediment Research*, Vol 27, pp. 498-509, 2012.
29. Rasheduzzaman, M., Nakagawa, H., Zhang, H., **Rahman, M. M.** and Muto Y., Flow and sediment transport around bandals under live-bed scour condition, *Annual Journal of Hydraulic Engineering, JSCE*, Vol.51, pp. 145-150, February, 2007
30. Haque, M.A., **Rahman, M. M.**, Islam G.M.T. and Hussain M.A., Scour Mitigation at Bridge Piers using Sacrificial Piles, *International Journal of Sediment Research*, Vol. 22, No.41, pp. 49-59.
31. **Rahman. M. M.**, Hajime Nakagawa, Naoki Ito, Anisul Haque, Tarekul Islam, Rezaur Rahman and Mozzammel Hoque (2006): Prediction of Local Scour Depth around Bandal-like Structures, *Annual J. of Hydraulic Engineering, JSCE*, Vol. 50, pp. 163-168 .
32. **Rahman. M. M.**, Hajime Nakagawa and ATM Khaleduzzaman (2005): Formation of navigational channels using bandal-like structures, *Annual J. of Hydraulic Engineering, JSCE*, Vol. 49, pp. 997-1002.

33. **Rahman, M. M**, Nakagawa Hajime and Haque M. Anisul (2004): Scouring around spur-dikes in alluvial floodplain rivers, Annual J. of Hydraulic Engineering, JSCE, Vol. 48, pp. 1075-1080.
34. **Rahman, M. M** and Haque M. Anisul (2004): Local scour at sloped-wall spur-dike-like structures in alluvial river, Journal of Hydraulic Engineering, ASCE, Vol. 130, No.1, pp. 70-74.
35. **Rahman, M. M** and Haque M. Anisul (2003): Local scour estimation at bridge site: Modification and application of Lacey formula, International Journal of Sediment Research, Vol. 18, No.4, pp. 333-339.
36. **Rahman, M.M.**, Haque, M.A. and Hoque, M.M. (2002): Applicability of Bend Development Theory in Natural Alluvial River, International J. of Sediment Research, Vol.17, 124-136, September.
37. **Rahman, M.M.** and Haque (2002): Flow Field and the Maximum Scour Depths around Piers and Abutments, J. of Indian Water Resources Society, vol. 22, No. 3, pp. 117-124.
38. Muramoto, Y. and **Rahman, M.M.** (2000): A Simplified Prediction Method for the Maximum Scour Depth around Spur-dike-like River Structures, J. of Civil engineering, JSCE, No. 642/II-50, 31-44.
39. **Rahman, M.M.** and Muramoto, Y. (1999): Prediction of Maximum Scour depth around Spur-dike-like Structures, Annual Journal of Hydraulic Engineering, Vol. 43, 623-628.
40. **Rahman, M.M.**, Murata, H., Nagata, N. and Muramoto, Y. (1998): Local Scour around Spur-dike-like Structures and their Countermeasures using Sacrificial Piles?, Annual Journal of Hydraulic Engineering, Vol. 42, 991-996.
41. Nagata, N., Hosoda, T., Muramoto, Y. and **Rahman, M.M.** (1997): Numerical Analysis of Channel Processes using a Non-equilibrium Sediment Transport Model for the Bank Erosion, Annual Journal of Hydraulic Engineering, Vol. 41, 889-894.
42. **Rahman, M.M.**, Nagata, N., Hosoda, T. and Muramoto, Y. (1996): Experimental Study on Morphological Process of Meandering Channels with Bank Erosion, Annual Journal of Hydraulic Engineering, Vol. 40, 947-952.
43. Nagata, N., Hosoda, T., Muramoto, Y. and **Rahman, M.M.** (1996): Numerical Analysis of Channel Processes with Bank Erosion by means of Moving Boundary Fitted Co-ordinate System, Annual Journal of Hydraulic Engineering, Vol. 40, 927-932.

BOOK CHAPTERS and BOOK EDITORS

1. International Opportunities for Broad Scale Coastal Simulation, Broad Scale Coastal simulation, Advances in Global Change Research 49, 2015, pp. 325-248.
2. Robert J. Nicholls Craig W. Hutton W. Neil Adger • Susan E. Hanson **Md. Munsur Rahman** Mashfiqus Salehin Editors (2018) Ecosystem Services for Well-Being in Deltas Integrated Assessment for Policy Analysis, ISBN 978-3-319-71092-1 ISBN 978-3-319-71093-8 (eBook) <https://doi.org/10.1007/978-3-319-71093-8>

3. **Rahman, M.**, Nicholls, R.J., Hanson, S.E., Salehin, M., Alam, S. (2020): Integrated Assessment for the Bangladesh Delta Plan 2100 Analysis of selected interventions, https://drive.google.com/file/d/1hdTvwTV6krcFvRNY-ur3E8fq50V_PYs0/view
4. **Md. Munsur Rahman**, Tuhin Ghosh, Mashfqus Salehin, Amit Ghosh, Anisul Haque, Mohammed Abed Hossain, Shouvik Das, Somnath Hazra, Nabiul Islam, Maminul Haque Sarker, Robert J. Nicholls and Craig W. Hutton (2020): Ganges-Brahmaputra-Meghna Delta, Bangladesh and India: A Transnational Mega-Delta, <https://link.springer.com/content/pdf/10.1007%2F978-3-030-23517-8.pdf>
5. Stephen E. Darby, Kwasi Appeaning Addo, Sugata Hazra, **Md. Munsur Rahman** and Robert J. Nicholls (2020): Fluvial Sediment Supply and Relative Sea-Level Rise, , <https://link.springer.com/content/pdf/10.1007%2F978-3-030-23517-8.pdf>
6. Robert J. Nicholls, W. Neil Adger, Craig W. Hutton, Susan E. Hanson, Attila N. Lázár, Katharine Vincent, Andrew Allan, Emma L. Tompkins, Iñaki Arto, **Md. Munsur Rahman**, Sugata Hazra and Samuel Nii Ardey Codjoe (2020): Sustainable Deltas in the Anthropocene, , <https://link.springer.com/content/pdf/10.1007%2F978-3-030-23517-8.pdf>

CONFERENCE PROCEEDINGS

1. Rahman A. M., **Rahman M. M.**, Shampa, Dustegir M. M., Nishat J. N., Haque A., Nakagawa H. and Hossain H. (2020). “Performance Evaluation of Bandal-Like Structures for Sediment Management in Braided Jamuna River.” In: 22nd IAHR-APD Congress 2020 in Sapporo, Japan, 14-17 September, 2020.
2. **Rahman M.**, Rahman A. M., Dustegir M. M., Nakagawa H., Zhang H., Hasegawa Y., Takebayashi H., Islam R. and Hossain M. (2019). “Potential Land Reclamation Using Bandal Like Semi-Permeable Structure along a Reach of the Braided Jamuna River.” In: 4th Global Summit of Research Institutes for Disaster Risk Reduction, Kyoto, Japan, 13-15 March, 2019.
3. Rahman A. M., Dustegir M. M., Nishat J. N., **Rahman M. M.**, Haque A., Nakagawa H. and Zhang H. (2019). “Flow and Sediment Process around Bandal Like Semi-Permeable Structure: A Case Study along a Reach of the Braided Jamuna River in Kazipur.” In: 7th International Conference on Water and Flood Management, Institute of Water and Flood Management, BUET, Dhaka, Bangladesh, 101-102, 2-4 March, 2019.
4. 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 2nd International Conference on Sustainable Development, Institute of Development Studies and Sustainability, United International University, Dhaka, Bangladesh, July, 2018.
5. 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.
6. 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 21st IAHR-APD Congress, 2018, Yogyakarta, Indonesia.

7. 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. 2nd UIU International Conference on Sustainable Development, Dhaka, Bangladesh, 2018.
8. 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, 2nd UIU International Conference on Sustainable Development, Dhaka, Bangladesh, 2018.
9. Dustagir M. M., Rahman A. M., **Rahman M. M.**, Haque A., Nakagawa H., Takebayashi H. and Zhang H. (2018). "Morphodynamic Responses of the Jamuna against Long Term Stabilization." In: 12th International Symposium on Eco hydraulics (ISE), Tokyo, Japan, 19-24 August, 2018.
10. Ahsan, M.S., Islam, M.A., **Rahman, M.M.** and Rahman, M.R. 2017. Shrimp farmers' competence and training needs on climate change adaptation. A case study from southwest coastal Bangladesh. Proceedings of the International Conference on Climate Change 1, 1-9.
11. M. M. Dustagir, M. R. Islam, **M.M. Rahman**, A. Haque, R. Karim, L. Rahman, M. Hossain, H. Nakagawa, Y. Hasegawa (2017): Historical evolution of Channel Shifting and its response to traditional bank protection work along a reach of the sand bed braided Jamuna/Brahmaputra, proceedings of the 37th IAHR Congress, Malaysia.
12. R.J. Nicholls, A. Lazar, C. Hutton, H. Adams, M. Salehin, A. Haque, **M.M. Rahman** (2017): Changing Hydro-environment and ecosystem based livelihood in coastal Bangladesh, proceedings of the 37th IAHR Congress, Kualalampur, Malaysia.
13. Akter, R., Sakib, M., Sakib, N.M., Zaman, S., Haque, A., **Rahman. M. M.**, Hossain, D., "Assessment of Salinity Hazard Based on Residence Time of Salinity in Bangladesh Coast", 6th International Conference on Water and Flood Management (ICWFM-2017) 4-6 March, 2017, Dhaka, Bangladesh.
14. Momtaz Jahan, Rubaiya Kabir, Dewan Sadia Karim, Anisul Haque and **Rahman. M. M** (2017), Comparative Analysis of Hazards and Risk for Bangladesh Coast, Proceedings of the 6th International Conference on Water and Flood Management (ICWFM), 4 - 6 March, 2017, Bangladesh University of Engineering & Technology (BUET), Dhaka, Bangladesh.
15. Rubaiya Kabir, Mohiuddin Sakib, Momtaz Jahan, Anisul Haque, **Rahman. M. M** (2017), Socio-economic Vulnerability Assessment of Storm Surge Hazard in Bangladesh Coast, Proceedings of the 6th International Conference on Water and Flood Management (ICWFM), 4 - 6 March, 2017, Bangladesh University of Engineering & Technology (BUET), Dhaka, Bangladesh.
16. Shammi Haque, Arpan Paul, Mohammed Abed Hossain, Mashfiqus Salehin, **Rahman. M. M**, Masakazu Hashimoto and Kenji Kawaike, Sensitivity analysis of SMA based continuous hydrologic simulation for Sari-Gowain river basin, Conference: International Conference on Engineering Research, Innovation and Education 2017 (ICERIE 2017), At SUST, Sylhet, Bangladesh
17. Sakib, M., Nihal, F., Haque, A., **Rahman. M. M**, Akter, R., Maruf, M., Akter, M. Noor, S., Rimi, R. A., (2016). "Afforestation as a Buffer against Storm Surge Flooding along the Bangladesh Coast", 12th International Conference on Hydro-Science & Engineering for Environmental Resilience November 6-10, 2016, Tainan, Taiwan.
18. Akter, R., Sumaiya, S. Rahman. M. M., Ahmed, T., Sakib, M., Haque, A. **Rahman, M. M.** "Prediction of Salinity Intrusion due to Sea Level Rise and Reduced Upstream Flow in the GBM Delta" proceedings of the 20th Congress of the Asia Pacific Division of the International Association for Hydro Environment Engineering & Research, August - 28, 29, 30, 31, 2016, Colombo, Sri Lanka.

19. Momtaz Jahan, Rubaiya Kabir, Md Mahabub Arefin Chowdhury, Anisul Haque and **Rahman. M. M** (2016), Evaluating the Inter-dependency among Different Adaptive Capacity Indicators of Cyclonic Hazard, Proceedings of the 12th Global Engineering, Science and Technology Conference, 23- 24 December, 2016, Dhaka, Bangladesh
20. Akter, R., Sakib, M., Rahman, M., Sumaiya, Haque, A., **Rahman. M. M.**, Islam, R., “Climatic and Cyclone Induced Storm Surge Impact on Salinity Intrusion along the Bangladesh Coast”, Proc. of the 6th Int. Conf. on the application of Physical Modeling in Coastal and Port Engineering and Science (Coastlab16), IAHR, Ottawa, Canada, May 10-13, 2016.
21. F. Nihal, M. Sakib, S. Noor, A. Haque, **Rahman. M. M**, M.W. Elahi, U.K. Halder (2016), Climatic Impacts on the Fluvial and Tidal Inundation Patterns in the Ganges-Brahmaputra-Meghna Delta, Proceedings of 2nd International Conference on Disaster Management and Civil Engineering (ICDMCE'2016), Kyoto (Japan), pp.1-6
22. Mohiuddin Sakib, Fatin Nihal, Anisul Haque, **Rahman. M. M**, Mansur Ali Jisan, Shanjida Noor, Rabeya Akter, Mashrekur Rahman, Rifath Ara Rimi, Meer Ahemed Tariqul Omar, Storm Surge Flooding due to SIDR-AILA and SIDR-AILA-LIKE Cyclones along the Bangladesh Coast, International Conference on Sustainable Development 2016, ULAB Bangladesh.
23. Mashrekur Rahman, GM Tarekul Islam, **Rahman. M. M**, Landsat ETM+ for Assessing Temporal Variation of Suspended Sediment Concentration in the Padma River, 7th International Conference on Water Resources and Environment Research (ICWRER2016), Kyoto University, Kyoto, Japan, June 5-9, 2016.
24. F. Nihal, M. Sakib, M. W. Elahi, T. Ahmed, A. Haque, **Rahman. M. M**, M. A. T. Omar, Monitoring of Planform Changes and Computation of Erosion/Accretion of Bishkhali Estuary Using Satellite Image, International Conference on Climate Change and Water Security, MIST, 27 December 2015
25. M. W. Elahi, S. Mohiuddin, F. Nihal, R. Karim, A. Haque, **Rahman. M. M**, Changes of Morphological Characteristics of Bishkhali Estuary due to Cyclone SIDR, International Conference on Sustainable Development 2016, ULAB Bangladesh.
26. Mashrekur Rahman, Sumaiya, Rabeya Akter, Anisul Haque, **Rahman. M. M**, Assessment of Suspended Sediment Concentration in the Padma River using Landsat ETM+, International Conference on Climate Change and Water Security (ICCWS 2015), Military Institute of Science & Technology, Dhaka, Bangladesh.
27. Sumaiya, A. Haque, **Rahman. M. M**, W.E. Elahi, I. Ahmed, R.A. Rimi and S. Alam (2015), Modelling Salinity Extremes in Bangladesh Coast, Proceedings of 5th International Conference on Water & Flood Management (ICWFM-2015), pp. 259-265
28. **Rahman. M. M**, R. J. Nicholls, A. N. Lázár, C. Hutton, M. Salehin, N. Adger, A. Allan, M. Barange, P. Whitehead, J. Wolf, D. Clarke, S. Darby, J. A. Dearing, N. Haq, Z. Matthews (2015), Assessing Health, Livelihoods, Ecosystem Services and Poverty Alleviation in Populous Deltas, Proceedings of The 36th IAHR World Congress, The Hague, the Netherlands
29. **Rahman. M. M**, A. Haque , R. J. Nicholls, M. A. Jisan , F. Nihal, I. Ahmed, A.N. Lázár (2015), Storm Surge Flooding in the Ganges-Brahmaputra-Meghna Delta: Present and Future Scenarios, Proceedings of The 36th IAHR World Congress, The Hague, the Netherlands
30. A. Haque, Sumaiya, and **Rahman. M. M** (2015), Flow Distribution and Sediment Transport Mechanism in the Estuarine Systems of Ganges-Brahmaputra-Meghna Delta, APCBEES Kyoto Conferences Proceedings, pp. 89-98

31. Fatin Nihal ,Mohiuddin Sakib, Wasif-E-Elahi, Anisul Haque, **Rahman. M. M**, Rifath Ara Rimi (2015), SIDR-Like Cyclones in Bangladesh Coast, Environment Technology & Energy 2015 Proceedings, pp. 26-31
32. M. W. Elahi, A. Haque, **Rahman. M. M**, N. Husna (2015), Impacts of Coastal Floodplain Sedimentation on Net Subsidence in the Ganges-Brahmaputra-Meghna Delta, Proceedings of International Conference on Recent Innovation in Civil Engineering for Sustainable Development, pp. 1032-1038
33. M. Jahan, M. M. A. Chowdhury, I. Ahmed, Shampa, **Rahman. M. M**, M. A. Hossain and R. Kabir (2015), Spatial Variation of Sediment and Some Nutrient Elements in GBM Delta Estuaries:A Preliminary Assessment, Proceedings of the International Conference on Recent Innovation in Civil Engineering for Sustainable Development, DUET, Gazipur, Bangladesh, pp. 888-892.
34. Ali Mohammad Rezaie, Sumaiya, Shah Alam, Ishtiaq Ahmed, Hafez Ahmed, Md. Nurul Kadir, Muhammad Khalid Bin Siddique, Mansur Ali Jisan, Anisul Haque, **Rahman. M. M** (2014), Computation of Discharge And Flow Volume for Different Flooding Scenario in The Lower Meghna Estuary, Proceedings of the 2nd International Conference on Civil Engineering for Sustainable Development, KUET, Khulna, Bangladesh.
35. Anisul Haque, **Rahman. M. M**, Shah Alam, Sumaiya, Ishtiaq Ahmed, Maminul Haque Sarker, Robert J. Nicholls, Stephen Darby, Shahad Mahabub Chowdhury, Muhammad Khalid Bin Siddique, Hafez Ahmed, Mohammad Rezaie Ali, Tuhin Ghosh (2013), Relationship Between The Shapes and Hydraulic Regimes of The Estuaries of The Ganges-Brahmaputra-Meghna Delta, International Conference on Climate Change Impact and Adaptation.
36. **Rahman. M. M**, Anisul Haque, Muhammad Khalid Bin Siddique, Mohammad Rezaie Ali, Md.Hafez Ahmed, Robert J. Nicholls, Stephen Darby, Judith Wolf, Maminul Haque Sarker, Shah Alam, Ishtiaq Ahmed, Sumaiya, Mostafa Ali Reza Hossain, Munir Ahmed, Lucy M. Bricheno, Ricardo Torres, Shahad Mahabub Chowdhury, Tuhin Ghosh (2013), A Preliminary Assessment of The Impact of Fluvio-Tidal Regime on Ganges-Brahmaputra-Meghna Delta And Its Impact on The Ecosystem Resources. Proceedings of the International Conference on Climate Change Impact and Adaptation.
37. R. J. Nicholls, C.W. Hutton, **Rahman. M. M**, M. Salehin, T. Ghosh (2013), Understanding climate change livelihoods in coastal Bangladesh, Hydrolink, vol. 2, pp. 40-42
38. Maminul Haque Sarker, Jakia Akter and **Rahman. M. M**: Century-scale Dynamics of the Bengal Delta and Future Development, Proceedings of the 4th International Conference on Water and Flood Management (ICWFM), 2013, pp 91- 104.
39. **Rahman. M. M**, Siddique Muhammad Khalid Bin and Azad Sadia: Trend of Spatial and Temporal Variations of Tidal Range in the Bengal Delta, Proceedings of the 4th International Conference on Water and Flood Management (ICWFM), 2013, pp 433- 440.
40. Rituparna Hajra, Anirban Mukhopadhyay, Hamidul Huq, **Rahman. M. M** and Tuhin Ghosh: CRISIS AND POLICY FOR THE ENVIRONMENTAL REFUGEES IN GHORAMARA ISLAND (INDIA), Proceedings of the 4th International Conference on Water and Flood Management (ICWFM), 2013, pp 459- 466
41. **Rahman. M. M**, Farzana Mahmud and Mohammad Nazim Uddin: Effect of Sand Bars on Failure of Bank Protection Work along Large Sand Bed Braided River, Sixth International Conference on Scour and Erosion (ICSE6), Paris - August 27-31, 2012.
42. Mohammad Nazim Uddin and **Rahman. M. M**: Failure of Sirajgang Hardpoint at Changing Hydro-Morphology, 3rd International Conference on Water & Flood Management (ICWFM-2011), 8th to 10th January, 2011, IWFm, BUET, Dhaka, Bangladesh.

43. **Rahman. M. M**, Farzana Mahmud, Muminul Haque Sarker, Mohammad Nazim Uddin, Hasan Mahmud Tuhin, Mohammad Arifur Rahman, and Md. Moshir Rahman: Flow processes in an eroding bend fixed with two hardpoint along the braided Jamuna River, 3rd International Conference on Water & Flood Management (ICWFM-2011), 8th to 10th January, 2011, IWFM, BUET, Dhaka, Bangladesh.
44. Mohammad Nazim Uddin, M Mozzammel Hoque and **Rahman. M. M** (2010), Flow field around bank protection structures along the Jamuna river, 17th Congress IAHR APD 2010, 21st to 24th February, Auckland, New Zealand.
45. Mohammad Nazim Uddin and **Rahman. M. M** (2009), Flow pattern visualization and erosion estimation at a bend along the braided Jamuna river, River, Coastal and Estuarine Morphodynamics 2009, 21st to 25th September, 2009, Santa Fe, Argentina.
46. Mohammad Nazim Uddin and **Rahman. M. M** (2009), Flow field around Sirajgang hardpoint along the Jamuna river in Bangladesh, 2nd International Conference on Water & Flood Management (ICWFM), IWFM, BUET, Dhaka, Bangladesh.
47. **Rahman. M. M**, Mohammad Asad Hussain, Md. Motaher Hossain, Maminul Haque Sarker and Mohammad Nazim Uddin (2007): Protective Measures of Flood Embankment along the Jamuna River in Bangladesh, 6th International Symposium on New Technologies for Urban Safety of Mega Cities in Asia, December 9-10, 2007, Dhaka.
48. Rahman M. A. and **Rahman. M. M.**; 'Resource and livelihood practices of char dwellers: A case study of an attached char', pp. 207-213, Vol. 1, January 2011, 3rd International Conference on Water and Flood Management, IWFM, BUET.
49. Rahman M. A. and **Rahman. M. M.**; 'Climate change induced impact on agriculture during pre-monsoon at chars of the lower Brahmaputra river', 2010, International Conference on: Ecosystem Responses to global environmental change (ECOREC 2010); Aquatic Ecology Centre (AEC), Kathmandu University.
50. Rahman M. A., **Rahman. M. M.**; 'Environmental Impact Assessment for Rural Community Infrastructure of Char Area: A Case Study Of Kurigram District', International Conference on Environmental Technology & Construction Engineering for Sustainable Development ICETCESD-2011, March 10-12, 2011, SUST, Sylhet.
51. Rahman M. A. and **Rahman. M. M.**; 'Impact of Changing Environment on Char Formation and Char Dwellers Livelihood of Lower Brahmaputra River', South Asian Regional Conference on Natural Resource Conservation in the Developing Countries Under the Changing Climate, 28-29 February & 01 March 2012, Rajshahi University, Bangladesh.
52. Rahman M. A. and **Rahman. M. M.**; 'Char Formation Process and Livelihood Characteristics of Char Dwellers of Alluvial River in Bangladesh', International Conference on Scour and Erosion, Paris - August 27-31, 2012.
53. Uday Kumar Roy, Shamima Nasrin and **Rahman. M. M** (2007): Effect of Bandal Spacing on Formation of Navigational Channels: Experiments, March 12-14, ICWFM-2007, Vol. I, pp. 117-123.
54. Rumana Sharmin, **Rahman. M. M**, Abdul Matin, Emdadul Haque, Ibrahim Hossain and Abdur Razzak (2007): Eftiveness of Bandalling and Dredging for the Maintenance of Navigation Channel in the Jamuna River, March 12-14, ICWFM-2007, Vol. I, pp. 125-133.

55. **Rahman. M. M.**, Mozzammel Hoque, Anisul Haque, Tarekul Islam and Rezaur Rahman (2007): Effectiveness of Spur-dikes in River Training Works: A Case Study along the Ganges in Bangladesh, March 12-14, ICWFM-2007, Vol. I, pp. 109-116.
56. **Rahman. M. M.**, Hajime Nakagawa, Anisul Haque, Tarekul Islam and Taisuke Ishigaki (2005): A sustainable solution for the stabilization of navigational channels in floodplain environment, XXXI IAHR Congress, September 11-16, 2005, pp. 5228- 5236.
57. **Rahman. M. M.**, Hajime Nakagawa, ATM Khaleduzzaman, Taisuke Ishigaki, Yasunori, Muto (2004): On the formation of stable river course, Annuals of disaster Prevention Research Institute, Kyoto University, No. 47 B, pp. 601-616.
58. Taisuke, Ishigaki, T. Ueno, *Rahman. M. M* and ATM Khaleduzzaman (2004): Scouring and flow structure around an attracting groin, 3rd International Conference on River Flow.
59. Takeuchi, S., Khaleduzzaman, ATM, **Rahman. M. M.**, Nakagawa H. and Ishigaki, T. (2004): Experimental study on bed deformation around bandals, Annual Symposium of JSCE, Kansai Division.
60. **Rahman. M. M** and Nakagawa Hajime (2003): Scouring around spur-dikes in alluvial rivers, International conference Disaster mitigation and water management (ISDB, 2003), Niigata, Japan, pp. 289-298.
61. **Rahman. M. M.**, Haque M. Anisul, Nakagawa Hajime and Muramoto Yoshio (2003): Local scour around spur-dikes in a braided river, XXX IAHR Congress, Greece, Theme C, pp. 777-784.
62. **Rahman. M. M.**, Nakagawa Hajime, Khaleduzzaman ATM. and Ishigaki Taisuke (2003): Flow and scour-deposition around bandals, Fifth International Summer Symposium, JSCE, July 26, pp. 177-180.
63. Khaleduzzaman ATM., Nakagawa Hajime, **Rahman. M. M.**, Ishigaki Taisuke and Kitamura Koichi (2003): Flow and bed deformation around permeable groins, Fifth International Summer Symposium, JSCE, July 26, pp. 181-184.
64. **Rahman. M. M.**, Nakagawa Hajime, Ishigaki Taisuke and Khaleduzzaman ATM (2003): Channel stabilization using bandalling, Annuals of disaster Prevention Research Institute, Kyoto University, No. 46 B, pp. 613-618.
65. Islam, G.M.T., **Rahman, M.M.**, Hussain, M.A., Haque, M.A., and Hoque, M.M., Hinokidani, O. and Takebayashi, H. (2002): Effects of Sand Bar on Sediment Distribution in an Alluvial River? 13th IAHR-APD Congress, Singapore, 240-242, August.
66. **Rahman. M. M.**, Haque, M.A., and Islam, M.S. (2002): Flow and Scouring around Piers and Abutments, 13th IAHR-APD Congress, Singapore, 280-283, August.
67. **Rahman. M. M.**, Hussain, M.A., Islam, G.M.T., Haque, M.A., Hoque, M.M., Faisal, A.I.M., Rana, M.S., Hinokidani, O. and Takebayashi, H. (2002): Measurement of Flow and Bed topography in an Alluvial Meandering River, 13th IAHR-APD Congress, Singapore, 299-303, August.
68. **Rahman. M. M.**, Haque, M.A., Hoque, M.M., Sarker, M.F.H. and Mamun, S.A. (2001): Local Scouring at bridge Site in Natural River, 2nd IAHR Symposium on River, Coastal and Estuarine Morphodynamics (RCEM), 255-263, September.
69. **Rahman. M. M.**, Haque, M.A., Hoque, M.M. and Sarker, M.F.H. (2001): Effect of Curvature and Bed Topography on Meandering river Flow, 1st International Conference on Civil engineering, 309-318, November.

70. **Rahman. M. M.**, Haque, M.A., and Alam, A.A.. (2001): Flow Field around Piers and Abutments at the Initiation of Scouring, 1st International Conference on Civil engineering, 403-410, November.
71. **Rahman. M. M.**, Hussain, M.A., Islam, G.M.T., Haque, M.A., and Hoque, M.M. (2001): Hydro-morphological Characteristics around the Meghna Bridge Site in the Meghna River, 4th International Conference on Mechanical Engineering, Vol 2, Section IV, 75-80, December.
72. **Rahman. M. M.**, Haque, M.A., and Islam, S.A. (2001): Hydro-morphological Characteristics around the Meghna Bridge Site in the Meghna River, 4th International Conference on Mechanical Engineering, Vol 2, Section IV, 101-106, December.
73. **Rahman. M. M.**, Murata, H., Nagata, N. and Muramoto, Y. (1999): Effect of Side Slope on Flow and Scouring around Spur-dike-like Structures, River Sedimentation, 165-171.
74. Murata, H., **Rahman. M. M** and Muramoto, Y. (1998): Local Scour at Sloped-wall Spur-dike-like Structures, Proceedings of the 53rd Symposium of JSCE, II-270, 540-541.
75. Nagata, N., Hosoda, T., Muramoto, Y. and **Rahman. M. M** (1997): Development of the Numerical Model to Forecast the Channel Processes with Bank Erosion, Proceedings of the 4th Japan-Chinese (Taipei) Joint Seminar on Natural Hazard Mitigation, Kyoto, Japan, 167-176.
76. Nagata, N., Hosoda, T., Muramoto, Y. and **Rahman. M. M.** (1997): Effect of Alternate Bars on Bank Erosion Processes, Annuals of Disaster Prevention Research Institute, Kyoto University, No. 40 B2, 333-341.
77. Nagata, N., Hosoda, T., Muramoto, Y. and **Rahman. M. M.**(1997): Experimental and Numerical Studies on Meandering Channels with Bank Erosion, Proceedings of the Conf. on Management of Landscapes Disturbed by Channel Incision, 262-267.
78. Nagata, N., Hosoda, T., Muramoto, Y. and **Rahman. M. M** (1996): Numerical Analysis of Channel Processes with Bank Erosion, Annuals of Disaster Prevention Research Institute, Kyoto University, No. 39 B2, 415-428.
79. Nagata, N., Hosoda, T., Muramoto, Y. and **Rahman. M. M.** (1996): Numerical Analysis of Unsteady Open Channel Flows with Channel Processes, Hydraulic Engineering Software VI, Computational Mechanics Publications, 233-242.
80. Nagata, N., **Rahman. M. M.**, Muramoto, Y. and Hosoda, T. (1995): Numerical Analysis of Channel Processes by means of Moving Boundary Fitted Co-ordinate System, 9th Symposium on Numerical methods, Tokyo, 477-478.