

## PUBLICATION

### Journals

1. Rahman, M.M., Haque, M.A. and Hoque, M.M., "Applicability of Bend Development Theory in Natural Alluvial River" International Journal of Sediment Research, Vol.17, No. 3, pp. 211-219, 2002.
2. Rahman, M. M. and Anisul Haque, "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.
3. Haque, A. and J. Berlamont, "Modelling Density and Turbulence in Stratified Tidal Medium", Journal of Hydraulic Engineering, ASCE, Vol.124, No.2, February, 1998.

### Proceedings

1. Rahman, M. M., Haque M.A. and M. S. Islam, "Flow and Scouring Around Piers and Abutments", Proceedings of the 13th IAHR-APD Congress, Singapore, pp. 280-283, August, 2002.
2. Rahman, M. M., Hossain, M.A., Islam, G.M.T., Haque M.A., Hoque, M.M., Faisal, A.S.M., Rana, M.S., Takabayashi, H. and O Hinokidani, "Measurement of flow and bed topography in an alluvial meandering river in Bangladesh" Proceedings of the 13th IAHR-APD Congress, Singapore, pp. 299-302, August, 2002.
3. Islam, G.M.T., Rahman, M. M., Hossain, M.A., Haque M.A., Hoque, M.M., Takabayashi, H., and O Hinokidani, "Effects of Sand bar on sediment distribution in an alluvial river" Proceedings of the 13th IAHR-APD Congress, Singapore, pp. 240-242, August, 2002.
4. Bala, S.K., Hoque, M.M., Ahmed, S.M.U and M. Anisul Haque, "Hydraulic Characteristics of the Upper Meghna River at the vicinity of the Meghna Bridge" Proceedings of the 13th IAHR-APD Congress, Singapore, pp. 135-, August, 2002.
5. Hoque, M.M., Bala, S.K., Ahmed, S.M.U., Haque, M.A. and Md. Saifullah Al Mamun, "Impact of the 1998 Flood on the Morphology of Rivers Around Bridges", Engineering Concerns of Flood, Ed. M. Ashraf Ali et al., DAERS, BUET, Dhaka, pp. 201-212, August, 2002.
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7. Rrahman, M.M, M. Asad Hussain, G.M. Tarekul Islam, M. Anisul Haque, and M. Mozzammel Hoque, "*Hydro-Morphological Characteristics around the Meghna Bridge Site in the Meghna Rive*"r, Proceedings of the 4th International Conference on Mechanical Engineering, BUET, Dhaka, Bangladesh, Volume 2, pp. 75-80, December, 2001.
8. Rahman, M.M., Haque, M.A., Hoque, M.M. and M.F.H. Sarker, "*Effect of Curvature and Bed Topography on Meandering River Flow*", Proceedings of the First Annual Paper Meet and International Conference on Civil Engineering, Institution of Engineers, Bangladesh (IEB), Chittagong, pp. 309-318, November, 2001.
9. Rahman, M.M., Haque, M.A. and A.A. Alam, "*Flow Field Around Piers and Abutments at the Initiation of Scouring*", Proceedings of the First Annual Paper Meet and International Conference on Civil Engineering, Institution of Engineers, Bangladesh (IEB), Chittagong, pp. 403-410, November, 2001.
10. Rahman, M.M., Haque, M.A., Hoque, M.M., Sarker, M.F.H. and S.A. Mamun, "*Local Scouring at Bridge Site in Natural River*," Proceedings of the 2<sup>nd</sup> Symposium on River, Coastal and Estuarine Morphodynamics, Obihiro, Japan, pp. 255-263, September, 2001.
11. Raman, M.M., Haque, M.A., and Islam, S.A., "*Hydro-morphological Characteristics around the Meghna Bridge Site in the Meghna River*" 4<sup>th</sup> International Conference on Mechanical Engineering, Vol. 2, Section IV, pp. 101-106, December, 2001.
12. Bala S. K., Hoque M. M., Ahmed S. M. U., Haque A., "*Interaction Between Groundwater and River Water Adjacent to the Meghna Bridge Site*", 4<sup>th</sup> International Conference on Mechanical Engineering, Dept. of Mechanical Engineering, BUET, Dhaka, Vol. 3. pp.89-94, December, 2001.
13. Haque, A. and J. Berlamont, "*A Finite Element Model for Density Induced Flow*", Proceedings of the 1st International Conference on Hydroscience and Engineering, Washington, USA, January, 1994.
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15. Haque, A. and J. Berlamont, "*Experimental Verification of the Mixing Length Model in a Stratified Tidal Medium*", Proceedings of the International Symposium on Waves-Physical and Numerical Modelling, Vancouver, Canada, August, 1994.

16. Hoque, M.M. and A. Haque, “*Finite Element Computer Model for Salinity Intrusion in Estuaries*”, Proceedings of the 9<sup>th</sup> Congress of the Asian and Pacific Division of the International Association for Hydraulic Research, Vol.3, National University of Singapore, Singapore, August, 1994.
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3. Haque, A. and Kabir, M.R., “*A Hybrid Model Study on the Erosion Downstream of Deeply Submerged Sluice Gates*”, Technical Report-2: Hybrid Model, R01/2000, IFCDR, BUET, January, 2000.
4. Haque, A. and Kabir, M.R., “*Flow Characteristics and Discharge Estimation in a Compound Channel*”, Final Report, IFCDR, BUET, February, 2000..
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6. Haque, A. and Kabir, M.R., “*Coupled Numerical Modelling for the Transport of Estuarine Cohesive Sediments*”, Technical Report-2: Model Application, R03/98, IFCDR, BUET, August, 1998.
7. Hoque, M.M., M.Z. Islam, M.A. Haque and M.S.A. Khan, “*Study of Morphological Behaviors of the River Meghna*”, Final Report of the Japan-Bangladesh Joint Study Project, sponsored by the Japan International Cooperation Agency (JICA), Published by JICA, Dhaka, September, 1997.

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