1. **Ali, M**. **S.** (2023) Velocity Field of Submerged Multiple Non-buoyant Jet Groups in Crossflow. *Environ. Process.* Vol. **10** (9). DOI: 10.1007/s40710-023-00623-0.Springer Ltd.
2. **Ali, M. S.** and Hasan, M. M. (2022). Environmental Flow Assessment of Gorai River in Bangladesh: A Comparative Analysis of Different Hydrological Methods, *Heliyon* (Earth Science),Vol. 8 (7),e09857, [DOI: 10.1016/j.heliyon.2022.e09857](https://doi.org/10.1016/j.heliyon.2022.e09857). Elsevier Ltd.
3. Rahman, M. and **Ali, M. S.** (2022). Morphological response of the Pussur River, Bangladesh to modern-day dredging: Implications for navigability. *Journal of Asian Earth Sciences: X*, Vol. *7*, 100088, DOI: [10.1016/j.jaesx.2022.100088](https://doi.org/10.1016/j.jaesx.2022.100088). Elsevier Ltd.
4. **Ali, M. S.** and Hossen, M. B. (2022). Climate Change Vulnerability Assessment: A Case Study of South West Coastal Community of Bangladesh. [*Asian Journal of Water, Environment and Pollution*](https://content.iospress.com/journals/asian-journal-of-water-environment-and-pollution), Vol. 19, no. 2, pp. 25-32. **DOI:**10.3233/AJW220020.
5. Rahman, P., **Ali, M.S.** (2021) Change in Transverse Slope of Water Surface at River Bend: A Numerical Study, *Journal of Engineering Science*, 12(2), 93-101, DoI: 10.3329/jes.v12i2.54634.
6. Zhang, W., Rahman, M., Li, H., Ma, A., **Ali, M.S.,** Zhang, J. (2021) [Preliminary Study on Siltation in Pussur Navigation Channel with Regulating Structure](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=lDPeuzIAAAAJ&sortby=pubdate&alert_preview_top_rm=2&citation_for_view=lDPeuzIAAAAJ:mB3voiENLucC), Book Chapter in *Advances in Transdisciplinary Engineering*, Volume 19: Hydraulic and Civil Engineering Technology VI, 476 – 485. DOI: 10.3233/ATDE210203.
7. Ali, M.S., Hasan, M. M. and Haque, M. (2017) “Two-Dimensional Simulation of Flows in an Open Channel with Groin-Like Structures by iRIC Nays2DH,” *Mathematical Problems in Engineering*, vol. 2017, Article ID 1275498, 10 pages, 2017. doi:10.1155/2017/1275498
8. **Ali, M. S.**, Saifullah, K. (2016) “Effect of Sea Level Rise Induced Permanent Inundation on the Livelihood of Polder Enclosed Beel Communities in Bangladesh: Peoples' Perception,” *Journal of Water and Climate Change*, Vol. 8, issue 3, DOI: 10.2166/wcc.2016.236.
9. **Ali, M. S.**, Hosoda, T. and Kimura, I. (2015) “Development of a Nonlinear Model Incorporating Strain and Rotation Parameters for Prediction of Complex Turbulent Flows,” *International Journal of Partial Differential Equations*, Vol. 2015, Article ID 105809, 15 pages. <http://dx.doi.org/10.1155/2015/105809> .
10. Mahmud, S. H., **Ali, M. S**. and Islam, M. M. (2014) “Coastal hazards and community-coping methods in south-west coastal region of Bangladesh” *International Journal of Surface and Groundwater Management,* Vol. 1, No. 01, pp. 33-42. link: <http://basharesearch.com/IJSGWM/6010106.pdf> *.*
11. **Ali, M. S.**, Mahzabin, T. and Hosoda, T. (2013) “Impact of Climate Change on Floods of Bangladesh and Introducing Flood Intensity Index to Characterize the Flooding Scenario” *Journal of Engineering Science (JES),* KUET, Bangladesh, ISSN 2075-4914, Vol. 4, No. 1, pp. 23-34.
12. **Ali, M. S**., Mahjabin, T. and Hossen, M. B. (2012) “Temporal and Spatial Distribution of Suspended Sediment Concentration in Bhairab River” *Journal of Engineering Science (JES),* KUET, Bangladesh, ISSN 2075-4914, Vol. 3, No. 1, pp. 128-137.
13. **Ali, M. S.**, Hosoda, T. and Kimura, I. (2012) “Unsteady RANS and LES Simulation of an Ideal Rankine Vortex Decay,” *Advances in Civil Engineering*, Vol. 2012, Article ID 523839, 8 pages. <http://dx.doi.org/10.1155/2012/523839> .
14. **Ali, M. S.**, Mahzabin, T. and Ria, S. J. (2011), “Numerical Simulation of Dead Zone flows in an Open Channel with a Side Cavity and Sudden Enlargement”, *Journal of Civil Engineering,* The Institute of Engineers, Bangladesh (IEB), ISSN 1993-8128*,* Vol. CE 39, No. 2, pp. 135-148. link:<http://www.jce-ieb.org/pdfdown/3902004.pdf>
15. Uddin, M. J., Hossain, M. M. and **Ali, M. S.** (2011), “Local Scour Around Submerged Bell Mouth Groin for Different Orientations”, *Journal of Civil Engineering,* The Institute of Engineers, Bangladesh (IEB),ISSN 1993-8128*,* Vol. CE 39, No. 1, pp. 01-18. link:

 <http://jce-ieb.org.bd/pdfdown/3901001.pdf>

1. **Ali, M. S.**, Mahzabin, T. and Hosoda, T. (2011) “Simulation of Dead Zone flows in an Open Channel with Secondary Currents” *Journal of Engineering Science (JES),* KUET, Bangladesh, ISSN 2075-4914, Vol. 2, No. 1 & 2, pp. 49-61.
2. **Ali, M. S.** (2010) “Conceptual Model for the Sheltering Effect of Leading Jet in a Multiple Jet Group in Cross-flow”, *Journal of Engineering Science (JES),* KUET, Bangladesh, ISSN 2075-4914*,* Vol. 1, No. 2, pp. 35-45.
3. Kimura, I., Uittewaal, W. S. J., Hosoda, T. and **Ali, M. S.**, (2009), “URANS computations of shallow grid turbulence”, *Journal of Hydraulic Engineering,* American Society of Civil Engineering *(ASCE)*, ISSN 0733-9429, Vol. 135, No. 2, pp. 118-131.

 Permalink: [http://dx.doi.org/10.1061/(ASCE)0733-9429(2009)135:2(118)](http://dx.doi.org/10.1061/%28ASCE%290733-9429%282009%29135%3A2%28118%29)

1. **Ali, M. S.**, Hosoda, T. and Kimura, I. (2008), “Unsteady simulation of turbulent axial vortex by means of a Non-linear *k-* ε model”, *Journal of Applied Mechanics,* Japan Society of Civil Engineering (JSCE), ISSN 1345-9139, Vol. 11, pp. 869-879.

 <http://dx.doi.org/10.2208/journalam.11.869> .

1. **Ali, M. S.**, Hosoda, T. and Kimura, I. (2007), “A Non-linear *k-* ε model to predict the spatial change of turbulent structures in large scale vortices”, *Journal of Applied Mechanics,* Japan Society of Civil Engineering (JSCE), ISSN 1345-9139, Vol.10, pp. 723-732. <http://dx.doi.org/10.2208/journalam.10.723>
2. **Ali, M. S.**, Hosoda, T., Kimura, I. and Onda, S. (2006), “Approximate solution of an axisymmetric swirling jet using non-linear *k- ɛ* model with consideration of realizability”, *Journal of Applied Mechanics,* Japan Society of Civil Engineering (JSCE), ISSN 1345-9139, Vol.9, pp. 821-832, <http://dx.doi.org/10.2208/journalam.9.821> .
3. Yu, D., **Ali, M. S.** and Lee, J. H. W. (2006), “Multiple Tandem jets in cross-flow”, *Journal of Hydraulic Engineering,* American Society of Civil Engineering(ASCE), ISSN 0733-9429, Vol. 132, No. 9, pp. 971-982, [http://dx.doi.org/10.1061/(ASCE)0733-9429(2006)132:9(971)](http://dx.doi.org/10.1061/%28ASCE%290733-9429%282006%29132%3A9%28971%29) .
4. **Ali, M. S.** and Rashid, M.H. (2004), “Two jet group in crossflow for various spacing”, *International Journal of Science and Technology (IJET),* ISSN 1812-7711, Vol. 1 (1), pp. 1-12.
5. Bari, M.N, Rashid, M.H. and **Ali, M. S.** (2004), “Water supply scenario of Khulna division”, *International Journal of Science and Technology (IJET),* ISSN 1812-7711, Vol. 1 (1), pp. 13-24.