

Publication State of EWCE Dept

Sn	Faculty Name	Publication Title	Name of journal/ conference	Status	Remarks
1	Brigadier General G M Faruque	1.Exploring Heterogeneity in Perception of Service Quality among Groups of Passenger Ferry Users	Proceedings of the International Conference on Transportation and Development, Virginia, USA.	2nd Author	
		2.Seismic Performance of Reinforced Concrete Buildings Using Pushover Analysis	7th International Conference on Advances in Civil Engineering (ICACE2024), CUET, Chattogram, Bangladesh	2nd Author	
2	Dr. Abul Fazal M. Saleh	1.Environmental Flow Estimation for the Jamuna River	Tech J. River Res. Inst. 17(1), pp 32-42, 2025	3rd Author	
		2.A Multi-Criteria Analysis on Solar and Traditional Technologies in Irrigation Develop	Journal of Engineering Science, Vol. 13(2), pp. 101-110, 2022	1st Author	
		3.Simulating yield response of rice to salinity stress with AquaCrop model	Environmental Science: Processes and Impacts, Vol. 17, pp. 1018-1031, 2015	2nd Author	
		4.Agricultural livelihoods in coastal Bangladesh under climate and environmental change - a model framework	Environmental Science: Processes and Impacts, Vol. 17, pp. 1018-1031, 2015	Co-author	
		5.Model-based Estimation of Methane Emission from Rice Fields in Bangladesh	Journal of Agricultural Engineering and Biotechnology, Vol. 3(4), PP. 1 25-137, 2015	2nd Author	
		6.Simulation Model for Estimating Actual Evapotranspiration of Chili in Saline Soil	Journal of Agricultural Engineering, The Institution of Engineers, Bangladesh, Vol. 41/AE, No. 2, pp 19-22, December, 2014	2nd Author	
		7.Impact of Lined Canals on Shallow Tubewell Irrigation and Their Acceptability by the Farmers	The Agriculturists, Vol. 12(2), pp: 116-125, December, 2014	2nd Author	
		8.Assessment of Agricultural Drought in 2006 Aman Season and Its Management by the Farmers: A Case Study in Rajshahi District (Bangladesh)	Journal of Indian Water Resources Society, Vol. 33, No. 1, pp 1-8, January, 2013	Author	
		9.Water Pricing in Rice Irrigated Minor Irrigation Systems in Bangladesh	Bangladesh Journal of Water Resource Research, Vol. 21, pp. 55-77, December,	Author	
		10. Impact of Submersible Embankment Project on Boro Production in Haor Areas	Bangladesh Journal of Water Resource Research, Vol. 21, pp. 55-77, December,	Author	
		11. Barind Area: A Potential Source of Groundwater for Irrigation	Journal of Agricultural Engineering, The Institution	Author	
		12. Judicious Irrigation for Boro Rice Cultivation in Shallow Tubewell Irrigation Project, Thakurgaon	of Engineers, Bangladesh, Vol. 35/AE, pp. 29-32, December, 2008	Author	
		13. Performance of Hose Pipe Distribution for Rice Based Crop Production in Shallow Tubewell Irrigation Project	Journal of Agricultural Engineering, The Institution of Engineers, Bangladesh, Vol. 35/AE, pp. 85-92, December, 2008	Author	
		14. Nutrient Loss to Water Bodies from Rice Cropped Farm	Journal of Civil Engineering, Vol. 36, No. 1, pp. 1-11, 2008	Author	
		15. Effect of Privatization in Groundwater Irrigation Development by Shallow Tubewell	Bangladesh Journal of Water Resource Research, Vol. 20, pp. 119-127, December, 2005.	Author	
		16. An Experimental Study on Dynamics of Water Intake Rate in Furrow Irrigated Potato Field Considering Initial Soil Moisture Content	Bangladesh Journal of Water Resource Research, Vol. 20, pp. 139-153, December, 2005.	Author	
		17. Water Savings and Economics of Alternate Wetting and Drying Irrigation for Rice	Bangladesh Journal of Water Resource Research, Vol. 20, pp. 81-93, December.	Author	
		18. Analysis of Water Availability Constraint for Crop Intensification in Rainfed Lowland	Journal of Indian Water Resources Society, Vol. 25, No. 3, pp. 15-14.	Author	
		19. Evaluation of Some Deep and Shallow Tubewell Irrigated Schemes in Bangladesh Using Performance Indicators	Agricultural Water Management, Elsevier Science, Vol. 58, No. 3, pp. 193-207, February, 2003.	Author	

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		20. Farmers' Decision Model about Crop Intensification in Rainfed Lowland Rice System	Bangladesh Journal of Water Resources Research, Vol. 19, pp. 44-52, December.	Author	
		21. Performance Evaluation of Rubber Dam Projects of Bangladesh in Irrigation Development, Irrigation and Drainage	The Journal of the International Commission on Irrigation and Drainage, Wiley Inter Science, Vol. 50, No. 3, pp. 237-248, September, 2001	Author	
		22. Performance of Flood Control and Drainage Projects During the 1998 Flood: A Case Study'	Journal of Indian Water Resources, Vol. 19, No. 4, pp. 1-8.	Author	
		23. Argo-hydrologic Economic Analyses of On-farm Reservoirs for Drought Alleviation in	Journal of Rural and Environmental Engineering, Japanese Society of	Author	
		24. Performance Evaluation of Irrigation Technologies in Large Scale Projects of Bangladesh	Journal of the Indian Water Resources Society, Vol. 18, No. 2, pp. 7-16, April.	Author	
		25. Some Issues on Irrigation Development in Manu River Project	Journal of the Institution of Engineers, Bangladesh, Vol. CE24, No. 1, pp. 111-120, June. 1996.	Author	
		26. Agricultural Drought in Rainfed Lowland Rice System: A Case Study in North-West Bangladesh	Journal of Indian Water Resources Society, Vol. 2, No. 1, pp. 51-56, January, 1996.	Author	
		27. Crop and Rain Water Management Strategies for Increasing Productivity of Rainfed Lowland Rice Systems	Agricultural Water Management, Elsevier Applied Science, Vol. 49, No. 3, pp. 259-276, 1995	Author	
		28. Improving Soil Water Regime for Crop Intensification in Rainfed Lowlands: The Role of Dry Seeded Rice	Philippine Journal of Crop Science, Vol. 18, No. 2, pp. 89-98, August, 1993.	Author	
		29. Under Utilization of Large-Scale Irrigation Systems: A Case Study	Journal of Indian Water Resources Society, Vol. 13, No. 1 & 2, pp. 105-109.	Author	
		30. Feasibility of Canal Lining in the Large-Scale Irrigation Systems: A Case Study	Bangladesh Journal of Water Resources Research, Vol. 12, No. 1, pp. 43-55, December, 1991.	Author	
		31. Review of Assessments of Groundwater Resources in Bangladesh: Quantity and Quality	Journal of Irrigation Engineering and Rural Planning, Japanese Society of Irrigation, Drainage and Reclamation Engineering, No. 17, pp. 48-59, October, 1989	Author	
		32. Groundwater Table Simulation under Different Rice Irrigation Practices	Journal of Irrigation and Drainage Engineering, American Society of Civil Engineers, Vol. 115, No. 4, pp. 530-544.	Author	
		33. Application of a Linear Programming Model for Maximizing Command Area and Yield of Teesta Barrage Project	Journal of Indian Water Resources Society, Vol. 9, No. 1, pp. 34-40, January, 1989	Author	
		34. Recharge Simulation from Rainfall in Wetland Rice Cultivated Areas	Indian Journal of Applied Hydrology, Vol. II, No. 1, pp 1-7, January, 1989.	Author	
		35. A Comparative Study of the Commonly Used Methods for Calculation of Evapotranspiration for Rice	Bangladesh Journal of Water Resources Research, Vol. 9, No. 1, pp. 63-72, December, 1988.	Author	
		36. Economic Polder Size for Flood Protection of Halda River Valley	Bangladesh Journal of Water Resources Research, Vol. 8, No. 1, pp. 29-36, December, 1987	Author	
		37. Use of Supplementary Irrigation as an Alternative Approach to Food Self Sufficiency in Bangladesh - Issues and Prospects	Journal of Irrigation Engineering and Rural Planning, Japanese Society of Irrigation, Drainage and Reclamation Engineering, No. 12, pp. 4-13, July, 1987	Author	
		38. On-Farm Irrigation Distribution System in Bangladesh: A Simplified Approach to Planning and Design	Bangladesh Journal of Water Resources Research, Vol. 2, No. 1, pp. 1-8, December, 1981.	Author	
		39. Of Annual Flood of the Ganges	Journal of the Institution of Engineers, Bangladesh, Vol. 9, No. 2, pp. 7-22, April, 1981	Author	
3	Md Gazi Ferooz Rahman	1.Fineness of Indigenouse Cement of Bangladesh and its effect on Initial and Final Settings	MIST Journal of Science and Technology, Vol-1, No. 1, May 2012.	Author	

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		2. Assessment of Soil Compaction: A Project Study	The Annual Technical Journal MIST, Vol. 3, No. 3, February 2011.	Author	
		3. Estimated Damages and Casualties in Dhaka City Due to Possible Earthquake	Galaxy (Dhaka), The MIST Journal, Vol. 2, No. 2, February 2010	Author	
		4. Assessment of Liquefaction Potential in Mirpur DOHS Area Basing on SPT-N Value of the Soil	The MIST Journal	Author	
		5. Assessment of Soils Compaction of Mirpur DOHS Road to Dhaka Cantonment	The MIST Journal	Author	
4	Lt Col Mohammad Shafiul Azam	1. Characterization of Arsenic Leaching in Paddy Field Soil	Journal of Civil Engineering (IEB), Vol. 40(2), 139-147 (2012)	Author	
		2. Effect of Calcium and Magnesium addition on arsenic leaching from paddy field soil of Bangladesh	Journal of Water and Environment Technology, Vol. 8 (4), 329-338 (2010).	Author	
		3. Arsenic Release from Contaminated Soil in Natural Field Conditions	Journal of Scientific Research, Vol. 1 (2), 258-269 (2009).	Author	
		4. Measurement of Soluble Arsenic in Soil of Bangladesh by Acid-alkali Sequential Extraction	Journal of Scientific Research, Vol. 1 (1), 92-107 (2009)	Author	
		5. Spatio-Temporal Quantification and Characterization of Drought Patterns in Bangladesh (2012)	Journal of Water and Environment Technology, 10 (3), 277-288	1st Author	
		6. Performance Evaluation of Bitumin Mixture using Polyethylene Terephthalate (PET) Resins (2024)	7th International Conference on Advances in Civil Engineering (ICACE2024), 12-14 December 2024, CUET, Bangladesh	Co-author	
		7. Urban Heat Island (UHI) Intensity Assessment through Comparative Study on Land Surface Temperature (LST) and Normalized Difference Vegetation Index (NDVI): A Case Study of Chittagong Bangladesh (2017)	19th International Conference on Civil Engineering Technologies, 8-9 January, 2017, Singapore. Proceeding 19(1), Part I, 105-110.	Co-author	
		8. Analytical Study of the Changes in Land Use Pattern of Chittagong City Using Landsat Imagery (2016)	1st Bangladesh Civil Engineering Summit, BUET, 23-27 November, 2016, Proceeding pp. EE 115-121.	1st Author	
		9. Efficiency Evaluation for Tannery Effluent Treatment using Activated Carbon and FeCl3 (2015)	International Conference on Recent Innovation in Civil Engineering for Sustainable Development, DUET, Gazipur, Bangladesh. 11-13 December, 2015. Proceeding p. 62 ISBN: 978-984-91467-9-7	1st Author	
		10. Evaluation on Potential Aquifer Recharge Methodologies for Dhaka City (2015)	International Conference on Climate Change and Water Security, MIST, Dhaka, Bangladesh, 27 December, 2015. Proceeding p. 36.	1st Author	
		11. Potential of Polli Bricks to reduce Air Pollution and Solid Waste Disposal in Dhaka City (2015)	International Conference on Climate Change and Water Security, MIST, Dhaka, Bangladesh, 27 December, 2015. Proceeding p. 37.	1st Author	
		12. Climate Driven Impacts on Fresh Water Resources in Southwestern Coastal Bangladesh (2015)	International Conference on Climate Change and Water Security, MIST, Dhaka, Bangladesh, 27 December, 2015. Proceeding p.	Co-author	
		13. Influence of Water Use Attitude of Residential People on their Opinion about Water Issues in Dhaka, Bangladesh (2014)	11th International Symposium on Southeast Asian Water Environment (SEAW11), Bangkok, Thailand. 26-28 November, 2014.	1st Author	
		14. Stakeholders' Perception Evaluation regarding water use Issues in Dhaka, Bangladesh (2014)	IWA World Water Congress and Exhibition, Lisbon, Portugal. 21-26 September, 2014	1st Author	
		15. Water Use and Pollution Recognition from Residential Peoples' Point of View in Dhaka, Bangladesh (2013).	The 5th IWA-ASPIRE Conference and Exhibition. Daejeon, Korea. September 8-12, 2013	1st Author	
		16. Stakeholders' Point of View about Water Use and Pollution Issue in Dhaka, Bangladesh (2013).	Water and Environmental Technology Conference, Tokyo, Japan. 15-16 June, 2013. Proceeding pp. 46.	1st Author	

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		17. Spatio-Temporal Quantification and Characterization of Drought Pattern in Bangladesh (2011)	The 4th IWA-ASPIRE Conference and Exhibition – Toward Sustainable Water Supply and Recycling	1st Author	
		18. Changing Pattern of Meteorological Dryness as Climate Change Impact in Bangladesh (2010)	17th Congress of the Asia and Pacific Division of the International Association of Hydraulic Engineering and Research (IAHR-APD, 2010), Auckland (New Zealand), 21-24 February 2010	Co-author	
		19. Change in Dryness Pattern and Drought Occurrence in Bangladesh (2009)	International Conference on Climate Change Impacts and Adaptation Strategies For Bangladesh, BUET, 18-20 February, 2009. Proceeding pp. 279-288. ISBN: 984-300-003379-8	Co-author	
		20. Assessing Drought Scenario (2008)	4th Conference Of The Asia Pacific Association Of Hydrology And Water Resources, Special Session Of The Asian Water Cycle Initiative, November 3-5, 2008. Beijing, China.	Co-author	
5	Lt Col Kazi Shamima Akter	1. Awareness on Medical Waste Management and Occupational Health Safety among the Employees Related to Medical Services at Upazila Level in Bangladesh (2019)	Journal of Environmental Treatment Techniques, 7(3) 282-288	1st Author	
		2. Finding an Optimum Technology for Medical Waste Management at Upazila & Rural Level in Bangladesh (2018)	Journal of Environmental Treatment Technologies, 6(1), 1-7	Co-author	
		3. Water Use and Pollution Recognition from the Viewpoint of Local Residents in Dhaka, Bangladesh (2017)	Water, 9(5), 331, 1-14	1st Author	
		4. Urban Heat Island Intensity	Int. Journal of Civil.	Co-author	
		5. Technical and Social Evaluation of Arsenic Mitigation Technology in Bangladesh	Journal of Health, Population and Nutrition, Vol. 27(5), 674-683 (2009).	Author	
		6. Arsenic Leaching Characteristics of the Sludges from Iron Based Removal Process	Desalination 261, 41-45 (2010)	Co-author	
		7. Investigation of Arsenic Removal Performance by a Simple Iron Removal Ceramic Filter in Rural Households of Bangladesh	Desalination 265, 60-66 (2011).	Co-author	
6	F. R. M. Rafid Hasan	MODELLING NET IRRIGATION WATER REQUIREMENTS AND IRRIGATION SCHEDULING OF BORO RICE USING FAO-CROPWAT 8.0 AND CLIMWAT 2.0: A CASE STUDY OF RAJSHAHI REGIONS, BANGLADESH	Journal of Global Ecology and Environment	Co-author	
7	Simlia Satter Songi	1. IDENTIFICATION OF GROUNDWATER POTENTIAL ZONES OF DHAKA CITY USING GIS	11th International Conference on Sustainable Built Environment (ICSBE) 2020, 0th-12th December 2020, Earl's Regency Hotel, Kandy, Sri Lanka	Co-author	
		2. ASSESSMENT OF GROUNDWATER QUALITY USING WATER QUALITY INDEX (WQI) AND GIS IN DHAKA CITY	11th International Conference on Sustainable Built Environment (ICSBE) 2020, 0th-12th December 2020, Earl's Regency Hotel, Kandy, Sri Lanka	Co-author	
8	Mohammad Kashif Shahid	Designing a Water Sprinkling Device as an abatement measure for Air Pollution Control.	International Journal of Scientific and Engineering Research (IJSER)	Co-author	Mohammad Kashif Shahid
9	Md. Atikuzzaman	N/A	N/A	N/A	N/A
10	Nishat Islam	"IDENTIFYING EROSION HOTSPOTS AND ASSESSING THEIR IMPACTS ON THE COMMUNITIES AT JAMUNA-TEESTA CONFLUENCE"	10th International Conference on Water and Flood Management (ICWFM-2025)	Co-author	
10	Rafia Islam	N/A	N/A	N/A	N/A
11	Sumaya Tasnim Rasna	ASSESSMENT OF GROUNDWATER VULNERABILITY CONSIDERING WATER QUALITY USING DRASTIC MODEL: A CASE STUDY IN NARAYANGANJ CITY CORPORATION	10th International Conference on Water and Flood Management (ICWFM 2025)	Author	N/A

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12	Umme Nusaiba Islam	N/A	N/A	N/A	N/A
13	Jannatul Ferdous	FLOOD INUNDATION MAPPING OF TEESTA RIVER FLOODPLAIN FOR DIFFERENT FLOOD INTENSITIES USING HEC-RAS 1D/2D COUPLED HYDRODYNAMIC MODEL	9th International Conference on Water and Flood Management (ICWFM 2024)	Author	(Shortlisted for Journal of Progress in Disaster Science, Impact Factor 2.6)
		Flood Inundation Mapping of Floodplain of the Teesta River using HEC-RAS 1D/2D Coupled Hydrodynamic Model	7th International Conference on Civil Engineering for Sustainable Development (ICCESD 2024), 7-9 February 2024, KUET, Khulna, Bangladesh	Author	
14	Kh. Al Awwal Arabi	N/A	N/A	N/A	N/A