



Dr. Sajal Kumar Adhikary
Professor
Research Area

Biography

Dr. Sajal Kumar Adhikary is currently serving as a Professor in the Department of Civil Engineering, Khulna University of Engineering & Technology (KUET), Khulna, Bangladesh. Dr. Adhikary received his B.Sc. in Civil Engineering (B.Sc. Eng.) degree in 2003 from KUET, Khulna, Bangladesh. He got a Master of Engineering (M. Eng.) degree in Water Resources Engineering in 2009 from Asian Institute of Technology (AIT), Bangkok, Thailand and a Doctor of Philosophy (Ph.D.) degree in Civil and Water Resources Engineering in 2017 from Victoria University, Melbourne, Australia. His research interests include Hydroinformatics, hydrological modeling, climate change, Hydrological data collection network design, groundwater and surface water quality and management issues, RS and GIS applications to water and environment problems, integrated water resources management (IWRM), and disaster managements issues. Dr. Adhikary has supervised many BSc students in Civil Engineering and a number of MSc and PhD students in the field of Civil Engineering, majoring in Water Resources Engineering, Environment and Disaster Management. He has supervised an MSc Student of Universiti Teknologi Petronas (UTP), Malaysia as an External Co-Supervisor, and has also served as an External Examiner for an M.Phil. Thesis of Western Sydney University (WSU), Sydney, Australia and two PhD Dissertations of Visvesvaraya Technological University, India. He has the specialized industrial training on “water resources modeling and simulation” from the Korea Water Resources Corporation (K-water), Daejeon, South Korea. Dr. Adhikary has involved in and accomplished several major consultancy projects successfully majoring in Civil Engineering and performed in different roles including Team Leader, Hydrology Specialist, Data Analyst and GIS Specialist, Monitoring Specialist, Hydrology and Water Resource Specialist, River Engineering Expert, Hydrologic Data Analyst, Water Resources Engineer, Consultant and Team Member of the consultant team. Dr. Adhikary is a Reviewer of several (about 20) international reputed Journals and also served as a Guest Editor for a Special Issue of the *Journal of Environmental Quality Management*, Wiley, UK. He is currently working as an Associate Editor of the *Journal of Engineering Science*, Faculty of Civil Engineering, KUET, Khulna, Bangladesh.

Education

PhD

Victoria University, Melbourne, Australia (2013-2017)

MEng

Asian Institute of Technology (AIT), Bangkok, Thailand (2007-2009)

BSc Eng

Khulna University of Engineering & Technology, Bangladesh (1999-2003)

HSC

Aminur Rahman College, Mohammadpur, Magura, Bangladesh (1998) Group: Science,

SSC

Rajpat Secondary School, Mohammadpur, Magura, Bangladesh (1996) Group: Science,

Service Records

- **Professor**

Department/Section: Department of Civil Engineering

Khulna University of Engineering & Technology, Bangladesh From 28-07-2019 to 01-01-1970

- **Associate Professor**

Department/Section: Department of Civil Engineering

Khulna University of Engineering & Technology, Bangladesh From 29-05-2018 to 27-07-2019

- **Assistant Professor**

Department/Section: Department of Civil Engineering

Khulna University of Engineering & Technology, Bangladesh From 09-07-2007 to 28-05-2018

- **Testing Officer and Consultant**

Department/Section: CRTS, Department of Civil Engineering

Khulna University of Engineering & Technology, Bangladesh From 02-05-2004 to 01-01-1970

- **Lecturer**

Department/Section: Department of Civil Engineering

Khulna University of Engineering & Technology, Bangladesh From 02-05-2004 to 08-07-2007

Research Interest

Publication

Books

1. (2020) , **Proceedings of the 5th International Conference on Civil Engineering for Sustainable Development (ICCESD 2020)** , ISBN:9799843487636 (Printed) & 9789843487643 (CD-ROM),ICCESD 2020
2. (2012) , **Proceedings of the 1st International Conference on Civil Engineering for Sustainable Development (ICCESD 2012)** , ISBN:9789843342461(Printed) & 9789843342478 (CD-ROM),ICCESD 2012
3. Adhikary,A. and S.K.,S. (2011) , **Modeling Groundwater Flow and Salinity Intrusion: A Case Study for Regional Aquifer in Southwestern Bangladesh** , ISBN:3845441321 (ISBN-10), 978-3845441320 (ISBN-13),LAP LAMBERT Academic Publishing

Journals

15. (2022 [IF = 3.889; Scopus Indexed]) , " Water Level Prediction through Hybrid SARIMA and ANN Models Based on Time Series Analysis: Red Hills Reservoir Case Study," **Sustainability**, MDPI (Switzerland), vol14, no.3, pp.1843
14. Adhikary,A. , S.K.,S. , Muttill,M. , N.,N. , Yilmaz,Y. and A.G.,A. (2017 [IF = 2.752; Scopus Indexed]) , " Improving streamflow forecast using optimal rain gauge network-based input to artificial neural network models," **Hydrology Research**, IWA, vol49, no.5, pp.1559-1577
13. Adhikary,A. , S.K.,S. , Muttill,M. , N.,N. , Yilmaz,Y. and A.G.,A. (2017 [IF = 3.784; Scopus Indexed]) , " Cokriging for Enhanced Spatial Interpolation of Rainfall in Two Australian Catchments," **Hydrological Processes**, Wiley, vol31, no.12, pp.2143-2161
12. Adhikary,A. , S.K.,S. , Muttill,M. , N.,N. , Yilmaz,Y. and A.G.,A. (2016 [IF = 2.752; Scopus Indexed]) , " Ordinary Kriging and Genetic Programming for Spatial Estimation of Rainfall in the Middle Yarra River Catchment, Australia," **Hydrology Research**, IWA, vol47, no.6, pp.1182-1197
11. Adhikary,A. , S.K.,S. , Muttill,M. , N.,N. , Yilmaz,Y. and A.G.,A. (2015 [IF = 2.091; Scopus Indexed]) , " Genetic Programming-Based Ordinary Kriging for Spatial Interpolation of Rainfall," **Journal of Hydrologic Engineering**, ASCE, DOI: 10.1061/(ASCE)HE.1943-5584.0001300, vol21, no.2, pp.04015062
10. Adhikary,A. , S.K.,S. , Yilmaz,Y. , A.G.,A. , Muttill,a. and N.,N. (2015 [IF = 3.784; Scopus Indexed]) , " Optimal Design of Rain Gauge Network in the Middle Yarra River Catchment, Australia," **Hydrological Processes**, Wiley, vol29, no.11, pp.2582-2599
9. Adhikary,A. , S.K.,S. , Chaki,C. , Rahman,T. a. and M.,M. (2013) , " Scenario-based Simulation and Design of Proposed Water Supply Network in Lohagara Municipality, Narail, Bangladesh," **International Journal of Engineering Science (JES)**, vol4, no.1, pp.35-46
8. (2013) , " Estimating Groundwater Recharge into a Shallow Unconfined Aquifer in Bangladesh," **International Journal of Engineering Science (JES)**, vol4, no.1, pp.11-22
7. (2012) , " Aquifer Demarcation and Groundwater Resources Assessment in Lohagara Municipality, Narail, Bangladesh," **International Journal of Engineering Science (JES)**, vol3, no.1, pp.41-58
6. (2012) , " Simulating River-Aquifer Dynamic Interaction in the Regional Unconfined Aquifer of Southwestern Bangladesh," **International Journal of Engineering Science (JES)**, vol3, no.1, pp.147-160
5. (2012) , " Pedestrian Flow Characteristics in Khulna Metropolitan City, Bangladesh," **International Journal of Engineering Science (JES)**, vol3, no.1, pp.25-31
4. (2012) , " Effect of Fillers on Bituminous Paving Mixes: An Experimental Study," **International Journal of Engineering Science (JES)**, vol3, no.1, pp.121-127
3. Adhikary,A. , S.K.,S. , Elahi,E. , Hossain,M. a. and A.M.I.,A. (2012) , " Assessment of Shallow Groundwater Quality from Six Wards of Khulna City Corporation, Bangladesh," **International Journal of Applied Sciences and Engineering Research (JASER)**, vol1, no.3, pp.488-498
2. Adhikary,A. , S.K.,S. , Rahman,R. , Gupta,M. a. D. and A.,A. (2012) , " A Stochastic Modelling Technique for Predicting Groundwater Table Fluctuations with Time Series Analysis," **International Journal of Applied Sciences and Engineering Research (JASER)**, vol1, no.2, pp.238-249
1. (2011) , " Potential Impacts of Incorporating EFR into Multi-purpose Reservoir Operation Policy and Irrigation Management in the Hari Rod River Basin, Afghanistan," **International Journal of Engineering Science (JES)**, vol2, no.1&2, pp.41-48

Conference

59. Rana,R. , M.M.,M. , Adhikary,A. , S.K.,S. , Islam,I. and M.B.,M. (January 12-14, 2023) , "Prediction of Future Temperature and Precipitation Changes in Bhola District of Bangladesh Using SDSM," **7th International Conference on Engineering Research, Innovation and Education (ICERIE 2023)** , pp.747-753
58. Biswas,B. , S.D.,S. , Adhikary,A. and S.K.,S. (January 12-14, 2023) , "Appraisal of Rainwater Harvesting Potential in the Southwest Coastal Region of Bangladesh â€” A Simulation Study," **7th International Conference on Engineering Research, Innovation and Education (ICERIE 2023)** , pp.185-190
57. Azad,A. , M.A.,M. , Adhikary,A. , S.K.,S. , Rana,R. and M.M.,M. (January 12-14, 2023) , "An Assessment of Future Climates in Northwestern Region of Bangladesh using Artificial Neural Network," **7th International Conference on Engineering Research, Innovation and Education (ICERIE 2023)** , pp.127-133
56. Lina,L. , A.S.,A. , Adhikary,A. and S.K.,S. (January 12-14, 2023) , "Water Footprint Assessment of Major Agricultural Products â€” A Case Study for Dhaka District in Bangladesh," **7th International Conference on Engineering Research, Innovation and Education (ICERIE 2023)** , pp.249-254
55. Azad,A. , M.A.,M. , Adhikary,A. , S.K.,S. , Sumaiya,S. and B.H.,B. (January 4-6, 2023) , "Drought Vulnerability Assessment Using Fuzzy Based Approach - A Case Study on Northwest Region of Bangladesh," **11th International Perspective on Water Resources and Environment (IPWE 2023)** , pp.105
54. Biswas,B. , S.D.,S. , Adhikary,A. and S.K.,S. (January 4-6, 2023) , "Assessment of Rainwater Harvesting System in Selected Coastal Districts of Bangladesh," **11th International Perspective on Water Resources and Environment (IPWE 2023)** , pp.170
53. Rabby,R. , M.F.,M. , Adhikary,A. and S.K.,S. (21-23 December, 2022) , "Uncertainty Based Assessment of Drought Using Standardized Precipitation Index â€” A Case Study," **6th International Conference on Advances in Civil Engineering (ICACE 2022)** , pp.1145-1152
52. Azad,A. , M.A.,M. , Adhikary,A. , S.K.,S. , Rana,R. and M.M.,M. (21-23 December, 2022) , "Identifying Water Logging Risk Zones in an Urban Area of Bangladesh Using AHP-Fuzzy Rule Based Approach," **6th International Conference on Advances in Civil Engineering (ICACE 2022)** , pp.1137-1144
51. Hossain,H. , M.Z.,M. , Adhikary,A. and S.K.,S. (21-23 December, 2022) , "Flood Susceptibility Assessment in Southwest Coastal Region of Bangladesh Using an AHP-GIS Based Approach," **6th International Conference on Advances in Civil Engineering (ICACE 2022)** , pp.1129-1136
50. (13-15 Sept., 2022 [Scopus Indexed]) , "Water Level Prediction through Seasonal Autoregressive Integrated Moving Average Model: Red Hills Reservoir Case Study," **2022 IEEE International Conference on Artificial Intelligence in Engineering and Technology (IICAIET 2022)**

49. Azad,A. , M.A.,M. , Adhikary,A. and S.K.,S. (13 August, 2022) , "Urban Flood Risk Assessment Using Fuzzy Inference System-A Case Study in Khulna City Corporation of Bangladesh," **2nd International Conference of SAIST on Education, Health, and Environment for Sustainable Development 2022 (SAIST 2022)** , South Asian Institute for Social Transformation (SAIST)
48. Hossain,H. , M.Z.,M. , Adhikary,A. and S.K.,S. (10-12 Feb, 2022 [Scopus Indexed]) , "Identifying Groundwater Recharge Potential Zones in Barind Tract of Bangladesh Using Geospatial Technique," **6th International Conference on Civil Engineering for Sustainable Development (ICCESD 2022)** , AIP Conference Proceedings 2713, 050001 (2023)
47. Rana,R. , M.M.,M. , Adhikary,A. and S.K.,S. (10-12 Feb, 2022 [Scopus Indexed]) , "Climate Change Projection over Southwest Coastal Region of Bangladesh Using Statistical Downscaling Model," **6th International Conference on Civil Engineering for Sustainable Development (ICCESD 2022)** , AIP Conference Proceedings 2713, 050016 (2023)
46. Hoque,H. , M.A.,M. , Adhikary,A. , S.K.,S. , Mondol,M. and M.,M. (4-6 March, 2021) , "Modelling Groundwater Level Fluctuation with Exogenous Input," **5th International Conference on Advances in Civil Engineering (ICACE 2020)** , pp.WRE121-128
45. Jaman,J. , N.I.,N. , Adhikary,A. and S.K.,S. (7-9 February, 2020) , "A Positive Kriging Approach for Missing Rainfall Estimation," **5th International Conference on Civil Engineering for Sustainable Development (ICCESD 2020)** , pp.4908-1-10
44. Hoque,H. , M.A.,M. , Adhikary,A. and S.K.,S. (7-9 February, 2020) , "Prediction of Groundwater Level Using Artificial Neural Network and Multivariate Time Series Models," **5th International Conference on Civil Engineering for Sustainable Development (ICCESD 2020)** , pp.4914-1-8
43. Rana,R. , M.M.,M. , Adhikary,A. and S.K.,S. (7-9 February, 2020) , "A Demand-Driven Water Management Framework for Rajshahi City Corporation in Bangladesh," **5th International Conference on Civil Engineering for Sustainable Development (ICCESD 2020)** , pp.5055-1-8
42. Tasnim,T. , Z.,Z. , Adhikary,A. and S.K.,S. (7-9 February, 2020) , "Analyzing Long-Term Trends in Monthly and Annual Rainfall Over Western Part of Bangladesh," **5th International Conference on Civil Engineering for Sustainable Development (ICCESD 2020)** , pp.4917-1-8
41. Kamal,K. , M.M.,M. , Adhikary,A. , S.K.,S. , Islam,I. and M.A.,M. (19-21 December, 2018) , "Mechanical Properties of Rubberized Normal Weight Aggregate Concrete-An Experimental Study," **4th International Conference on Advances in Civil Engineering 2018 (ICACE 2018)** , pp.416-421
40. Adhikary,A. , S.K.,S. , Yilmaz,Y. , A.G.,A. , Muttill,M. and N.,N. (29 Nov-4 Dec, 2015 [Scopus Indexed]) , "Improved Spatial Interpolation of Rainfall Using Genetic Programming," **21st International Congress on Modelling and Simulation (MODSIM 2015)** , pp.2214-2220
39. Adhikary,A. , S.K.,S. , Yilmaz,Y. , A.G.,A. , Muttill,M. and N.,N. (7-10 Dec., 2015 [Scopus Indexed]) , "Kriging-Based Geostatistical Approach for Rain Gauge Network Design - A Case Study in the Middle Yarra River Catchment, Australia," **36th Hydrology and Water Resources Symposium (HWRS 2015)** , Engineers Australia, pp.791-798
38. Adhikary,A. , S.K.,S. , Chaki,C. , T.,T. , Rahman,R. and M.,M. (7-10 Dec., 2015 [Scopus Indexed]) , "Assessment of Surface Water and Groundwater Sources for Establishing Safe Urban Water Supply System in Faridganj Municipality, Bangladesh," **36th Hydrology and Water Resources Symposium (HWRS 2015)** , Engineers Australia, pp.799-806
37. (14-16 February, 2014) , "Geostatistical Analysis of Groundwater Level Fluctuations in the Shallow Aquifer of Northwestern Bangladesh," **2nd International Conference on Civil Engineering for Sustainable Development (ICCESD 2014)** , pp.390-399
36. Sharif,S. , S.M.S.,S. , Adhikary,a. and S.K.,S. (14-16 February, 2014) , "Analytical Assessment of Groundwater Recharge Potential for the Ganges-Kobadak (G-K) Irrigation Project Area," **2nd International Conference on Civil Engineering for Sustainable Development (ICCESD 2014)** , pp.445-454
35. (14-16 February, 2014) , "Pedestrian Flow Characteristics at Walkways in Rajshahi Metropolitan City of Bangladesh," **2nd International Conference on Civil Engineering for Sustainable Development (ICCESD 2014)** , pp.1166-1172
34. (1-6 Dec., 2013 [Scopus Indexed]) , "Groundwater Drought Assessment for Barind Irrigation Project in Northwestern Bangladesh," **20th International Congress on Modelling and Simulation, Modelling and Simulation Society of Australia and New Zealand (MODSIM 2013)** , pp.2917-2923
33. (1-6 Dec., 2013 [Scopus Indexed]) , "Identifying Safe Drinking Water Source for Establishing Sustainable Urban Water Supply Scheme in Rangunia Municipality, Bangladesh," **20th International Congress on Modelling and Simulation, Modelling and Simulation Society of Australia and New Zealand (MODSIM 2013)** , pp.3134-3140
32. (1-6 Dec., 2013 [Scopus Indexed]) , "Multivariate Statistical Approach for Modelling Domestic Water Demand in Dhaka City of Bangladesh," **20th International Congress on Modelling and Simulation, Modelling and Simulation Society of Australia and New Zealand (MODSIM 2013)** , pp.788
31. Das,D. , S.K.,S. , Perera,N. A. , B.J.C.,B. , Adhikary,a. and S.K.,S. (1-6 Dec., 2013 [Scopus Indexed]) , "Effect of Climate and Land Use Activities on Water Quality in the Yarra River Catchment," **20th International Congress on Modelling and Simulation, Modelling and Simulation Society of Australia and New Zealand (MODSIM 2013)** , pp.2618-2624
30. (4-5 October 2013) , "DRASTIC-based Vulnerability Assessment of Barind Tract Aquifer in Northwestern Region, Bangladesh," **4th International Conference on Water and Flood Management (ICWFM 2013)** , pp.337-347
29. Adhikary,A. , S.K.,S. , Saha,S. , Chaki,G. a. and T.,T. (11-13 January, 2013) , "Spatial Assessment of Groundwater Drought in Godagari Upazilla of Northwestern Region, Bangladesh," **1st International Conference on Engineering Research, Innovation and Education (ICERIE 2013)** , pp.745-751
28. Adhikary,A. , S.K.,S. , Chaki,C. , Rahman,T. a. and M.,M. (11-13 January, 2013) , "Identifying Safe Drinking Water Source by Mathematical Modelling for Sustainable Urban Water Supply System," **1st International Conference on Engineering Research, Innovation and Education (ICERIE 2013)** , pp.737-744
27. Adhikary,A. , S.K.,S. , Chowdhury,C. , Saha,A. a. and G.C.,G. (11-13 January, 2013) , "Mapping of Shallow Groundwater Quality using GIS: A Study from a Small Catchment in Northwestern Region of Bangladesh," **1st International Conference on Engineering Research, Innovation and Education (ICERIE 2013)** , pp.687-694
25. Adhikary,A. , S.K.,S. , Chaki,a. and T.,T. (12-14 December, 2012) , "Establishing Planned Water Supply Network in an Urban Area of Bangladesh: A Case Study," **1st International Conference on Advances in Civil Engineering (ICACE 2012)** , pp.CD-ROM
24. Adhikary,A. , S.K.,S. , Chaki,C. , Rahman,T. a. and M.,M. (12-14 November, 2012) , "Hydrogeological Setting and Existing Groundwater Resource Assessment in the Municipality of Faridganj, Bangladesh," **1st International Conference on Industrial Waste Management and Process Efficiency (IWMPE 2012)** , pp.61-75
23. Chaki,C. , T.,T. , Adhikary,A. , S.K.,S. , Rahman,a. and M.,M. (12-14 November, 2012) , "Identification and Assessment of Existing Water Source for Sustainable Municipal Water Supply in Bangladesh – A Case Study," **1st International Conference on Industrial Waste Management and Process Efficiency (IWMPE 2012)** , pp.41-51
22. Adhikary,A. , S.K.,S. , Ahmed,A. , Saha,C. a. and G.C.,G. (12-14 November, 2012) , "Assessment of Shallow Groundwater Quality for Irrigation and Drinking Purposes: A Case Study from Northwestern Region of Bangladesh," **1st International Conference on Industrial Waste Management and Process Efficiency (IWMPE 2012)** , pp.389-398
21. (23-24 March, 2012) , "Modelling River-Aquifer Interaction in a Shallow Aquifer of Southwestern Bangladesh: A Case Study," **1st International Conference on Civil Engineering for Sustainable Development (ICCESD 2012)** , pp.CD-ROM
20. Adhikary,A. ,Rahman,S. a. and M.M.,M. (23-24 March, 2012) , "Application of a Simple Stochastic Model for Predicting Groundwater Table Fluctuations in a Shallow Aquifer of Bangladesh," **1st International Conference on Civil Engineering for Sustainable Development (ICCESD 2012)** , pp.CD-ROM

19. (23-24 March, 2012) , "Delineating Aquifer System and Groundwater Resources Assessment of Lohagora Municipality in Narail District, Bangladesh," **1st International Conference on Civil Engineering for Sustainable Development (ICCESD 2012)** , pp.CD-ROM
18. (23-24 March, 2012) , "Estimating Shallow Groundwater Recharge from Precipitation and Water Level Observations," **1st International Conference on Civil Engineering for Sustainable Development (ICCESD 2012)** , pp.CD-ROM
17. Adhikary,A. ,Chaki,S. a. and T.,T. (23-24 March, 2012) , "Modelling Proposed Water Distribution Networks for Water Supply in Lohagora Municipality of Narail District, Bangladesh," **1st International Conference on Civil Engineering for Sustainable Development (ICCESD 2012)** , pp.CD-ROM
16. (23-24 March, 2012) , "A Scenario-based Holistic Approach for Multipurpose Reservoir Operation Considering EFR, Irrigation and Hydropower Demand: A Case Study," **1st International Conference on Civil Engineering for Sustainable Development (ICCESD 2012)** , pp.CD-ROM
15. (23-24 March, 2012) , "Effect of Fillers on Bituminous Paving Mixes: An Experimental Study," **1st International Conference on Civil Engineering for Sustainable Development (ICCESD 2012)** , pp.CD-ROM
14. (23-24 March, 2012) , "A Study on Pedestrian Characteristics in Khulna Metropolitan City, Bangladesh," **1st International Conference on Civil Engineering for Sustainable Development (ICCESD 2012)** , pp.CD-ROM
13. (23-24 March, 2012) , "Assessment of Sediment Quality based on Input Materials into Shrimp Pond," **1st International Conference on Civil Engineering for Sustainable Development (ICCESD 2012)** , pp.CD-ROM
12. (10-12 March, 2012) , "Analyzing Groundwater Quality from Shallow Aquifer using Regression Technique in a Northwestern District of Bangladesh," **2nd International Conference on Environmental Technology & Construction Engineering for Sustainable Development (ICETCESD 2012)** , pp.560-569
11. Adhikary,A. , S.K.,S. , Hoque,a. and M.I.,M. (10-12 March, 2012) , "Appraisal of Stored Rainwater Quality for Drinking Water Supply in the Southwestern Coastal Area of Bangladesh," **2nd International Conference on Environmental Technology & Construction Engineering for Sustainable Development (ICETCESD 2012)** , pp.548-559
10. (10-12 March, 2012) , "Assessment of Shallow Groundwater Quality in Some Selected Wards of KCC Area: Southwest Region of Bangladesh," **2nd International Conference on Environmental Technology & Construction Engineering for Sustainable Development (ICETCESD 2012)** , pp.638-651
9. (10-12 March, 2012) , "Effects of Capping Systems on Compressive Strength of Concrete," **2nd International Conference on Environmental Technology & Construction Engineering for Sustainable Development (ICETCESD 2012)** , pp.768-773
8. (10-12 March, 2012) , "Effects of Various Types of Curing on the Strength of Concrete Made from Manually Molded Brick Aggregates," **2nd International Conference on Environmental Technology & Construction Engineering for Sustainable Development (ICETCESD 2012)** , pp.774-781
7. (12-16 Dec., 2011 [Scopus Indexed]) , "Simulating Impacts of EFR Consideration on Reservoir Operation Policy and Irrigation Management in the Hari Rod River Basin, Afghanistan," **19th International Congress on Modelling and Simulation, Modelling and Simulation Society of Australia and New Zealand (MODSIM 2011)** , pp.4085-4091
6. Adhikary,A. , S.K.,S. , Gupta,D. , Babel,A. a. and M.S.,M. (20-22 September, 2011) , "Modeling Groundwater Flow and Salinity Intrusion by Advective Transport in the Regional Unconfined Aquifer of Southwest Bangladesh," **3rd International Conference of European Asian Civil Engineering Forum (EACEF 2011)** , pp.I-91-I-97
5. (10-12 March, 2011) , "Reservoir Operation Considering Environmental Flow Requirements in the Hari Rod River Basin, Afghanistan," **1st International Conference on Environmental Technology & Construction Engineering for Sustainable Development (ICETCESD 2011)** , pp.217-228
3. (10-12 March, 2011) , "Forecasting Groundwater Level with Time Series Analysis," **1st International Conference on Environmental Technology & Construction Engineering for Sustainable Development (ICETCESD 2011)** , pp.446-455
3. Adhikary,A. , S.K.,S. , Alamgir,A. , Razzaque,M. a. and M.A.,M. (17 December, 2009) , "Strength Development in Cement Stabilized Organic Soils," **Bangladesh Geotechnical Conference (BGC 2009)**
1. (2005) , "Road Traffic Accident Situation in Khulna City, Bangladesh," **6th International Conference of the Eastern Asia Society for Transportation Studies (EASTS 2005)** , pp.65-74