

**Invited Key Note Speakers in International Conference on Water  
and Wastewater Management and Modeling**

**January 16-17, 2018**

**Mr. A. C. M. Zulficar** holds a Bachelor of Science and a Master's Degree in Engineering from the Teesside University, United Kingdom. Presently he is a Chairman, Water Resources Board, Sri Lanka. His experience in Public Administration led him in formulation and implementation of a legal framework of regulations for extraction of ground water resources in the country that have been of great importance for the development of water resources in Sri Lanka. His experience has also earned him strong reputation in effective management of Water Resources Board, which has been led to a profit earning organization for the first time in its history. Mr. A. C. M. Zulficar Miquel is currently the Chairman of the Board of Directors of Water Resources Board and has held several management positions in Public Organizations such as: Ministry of Wildlife, Road Development Authority, Ministry of Prison Rehabilitation and Ministry of Education



**Topic: To identify strategies and innovative water saving technologies particularly suitable to developing countries in the context of reuse of wastewater**

**Dr. Monowar Hossain** joined Institute of Water Modelling (IWM), Bangladesh as the Executive Director in 2011. Before joining to IWM, he was Professor and Dean, Faculty of Civil Engineering of Bangladesh University of Engineering and Technology (BUET), Dhaka. Dr. Hossain obtained Ph.D in Civil Engineering (Hydraulics) from the University of Strathclyde, Glasgow, UK.

Dr. Hossain started his career as Lecturer of BUET in 1976 and became professor in 1992. He worked as Head, Department of Water Resources Engineering, Hall Provost, Dean Faculty of Civil Engineering, Director of Students' Welfare, Syndicate member, Governing Council member etc

Prof. Hossain is a recipient of a number scholarship and awards. He received the prestigious Asia Water Leadership Award in 2016 and best paper award from Bangladesh and India.



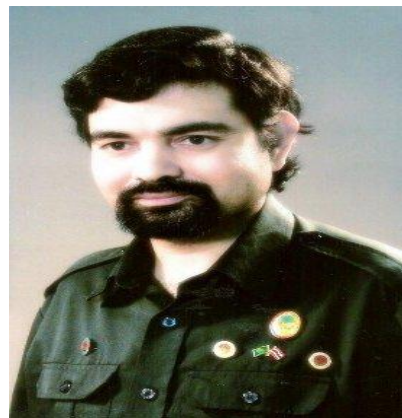
**Topic: Flood and Flood Management Initiatives in Bangladesh**

**Dr. R.B. Singh** is Professor of Geography, Delhi School of Economics, University of Delhi. Dr. Singh is Member-Research Council-CSIR-CIMAP, Lucknow and Member International Council for science (ICSU) Scientific Committee-UHW. Prof. Singh is Vice-President, International Geographical Union (IGU) since 2012. He is Member IAP Working Group for statement on Science and Technology for DRR. He was awarded JSPS Research Fellowship and others for presenting papers and Chairing session in more than 40 countries. He has to his credit 13 books, 33 edited research volumes and more than 200 research papers. He was as one of the contributors in the famous-The World Atlas, Australia. He has supervised 32 Ph.D. and 77 M.Phil students. In 1988 the UNESCO/ISSC (Paris) awarded him Research and Study Grants Award in Social and Human Sciences. He is expert in the prestigious Committees of the Government of India- Ministry of Environment and Forests, Department of Science and Technology, National Disaster Management Authority (NDMA).



**Topic: Ensuring Clean Water and Water Induced Risk Reduction: Challenges and Opportunity**

**Dr. Amartya Kumar Bhattacharya** is the Chairman and Managing Director of MultiSpectra Consultants. He is also a Visiting Professor of Civil Engineering at the University of Peradeniya, Sri Lanka. His work profile includes Civil Engineering consultancy, research and teaching. He is Vice President (East) of and also Past Vice President (East) (2001 - 2005) of the Association of Consulting Civil Engineers (India). He is a Chartered Engineer and has numerous professional memberships. His Fellowships are FIE, FACCE(I), FISH, FIWRS, FIPHE, FIAH and FAE. He has been awarded the Hem Prabha - S N Gupta Gold Medal by The Institution of Engineers (India). He has numerous publications to his credit in the form of international and national journal and conference papers, monographs in books and white papers. He has supervised several Ph.D. and M.E. Theses and has completed several sponsored research and other Civil Engineering projects.



**Topic: Saline Water Intrusion in Coastal Areas: A Case Study from India**

**Dr. Ajay Pradhan** is doctorate in Water Resources Engineering and Management with over 28 years of experience in planning, designing and implementing number of infrastructure projects. He is currently working as President of C2S2 Consulting Engineers Pvt Ltd and Development Advisor of RUBICON Water of Australia. Prior to this he worked in CH2MHill and Halcrow India and Managing Director, Consultant in Planning Commission, Scientist in Designing and Modeling Group of National Informatics Centre, Government of India, Founder Director and Managing Director for DHI (A Danish International Water & Environment firm ) in India. Ajay's key practice and research areas are in the field of Project Management for large Infrastructure Project, Sustainable Integrated Water Resources Management (IWRM), Climate Resilience in Hydropower, Policy and Governance in Irrigation and Water Management with focus on transboundary issues.

Ajay is currently the Chairman of Institution of Water & Environment India (IWE India), DSC a policy and advisory think tank,, Mentor of Information Technology Research Academy (ITRA- Water), Ministry of IT and Communication, Govt of India, Member of Management Board of KIIT University and Executive Board Member of National Solid Waste Association of India.



**Topic: Enabling Environment with Technology to improve water use efficiency towards building resilience and water security**

**Dr. S. N. Rai** obtained Master of Science and Ph.D. (Geophysics) degrees in 1975 and 1986, respectively from Banaras Hindu University (BHU), Varanasi, India. He served as Chief Scientist at CSIR-NGRI, Hyderabad till June 2014 and Honorary Visiting Fellow at IIT Roorkee during 2014-2016. He was **DAAD Fellow** at the University of Hanover during 1982-84, Germany. His works include exploration and management of groundwater resources, development of mathematical models to predict dynamic behavior of water table and crustal thermal structures in tectonically active provinces. Published 70 papers and edited 6 volumes. He was **Vice-President** of the International Association of Hydrogeologists (2004-2012) and **President**



**Topic: Application of Mathematical Models For Managing Artificial Recharge And Pumping**

<p>of Indian chapter of IAH (2012-13). He was honored with National Geosciences Award (2007) and National Hydrology Award (1993). He is Fellow of Indian Association of Hydrologists, Indian Geophysical Union, Indian Water Resources Society, Telangana Academy of Sciences and Andhra Pradesh Academy of Sciences.</p>	
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Dr. Mukand S. Babel is a Professor and Coordinator of Water Engineering and Management at the Asian Institute of Technology (AIT), Thailand. In addition, he is leading the **Climate Change Asia (CCA)** initiative at AIT, a re-launch of SDCC, for catalyzing capacity for action to address climate change issues in the region. Concurrently, he is the Chair of Academic Senate of AIT. He has been Visiting Professor at several universities/institutes in the region including Kyoto University (Dec 2012-Mar 2013), University Teknologi Mara, Malaysia (Aug 2013-Jul 2015) and Sam Higginbottom Institute of Agriculture, Technology and Sciences (SHIATS), Allahabad, India (Nov 2014-Oct 2019). Prof. Babel's professional experience in teaching, research and consultancy spans over 30 years in Asia. He teaches graduate level courses on Watershed Hydrology, Hydrologic and Water Resources Modeling, Integrated Water Resources Management and Water Supply and Sanitation.

In 2014, He was appointed as a Member of the Advisory Committee of the World Water Quality Assessment, an initiative of UN-Water Group led by UNEP and GEMS/Water. In 2014 he was appointed as a Member of the Executive Committee, Asia Pacific Division (APD) of International Association for Hydro-Environment Engineering and Research (IAHR) for two years (2015-16). In 2015, he was elected as one of Directors of the Executive Board of International Water Resources Association (IWRA) for three years (2016-18). In 2016, he was appointed as a member of recently established Asian Water Council (AWC) representing the Asian Institute of Technology (AIT).

Dr. Babel has supervised 21 doctoral and 170 master theses covering diverse areas of hydrology and water resources. Currently there are 08 doctoral and 14 master thesis students working under his supervision. With over 250 publications in international refereed journals, books (including one on **Climate Change and Water Resources**), and book chapters and conference proceedings, he currently conducts interdisciplinary research relating hydrology and water resources with economic, environmental and socioeconomic aspects of water to address diverse water problems and issues including climate change impact and adaptation in water sector.

Dr. Babel carried out many research and sponsored projects in collaboration with international organizations and governments including CGIAR-WLE Program; Dutch Government; CIDA; The World Bank; FAO; UNESCO-IHE; UNU; ADB; DANIDA, ICH, Norway and NEF, Japan; GWP, Sweden; UN-DESA; ASCE; UNESCO; UNEP; IGES, Japan; APN, Japan; UCC-Water, Denmark; Govt. of Thailand; Govt. of Indonesia; Govt. of Nepal; Govt. of Bhutan; and ICAR, Govt. of India, as well as with respected universities, such as Konkuk University, South Korea; Oregon State University, USA; Tohoku University, Japan; and University of Tokyo, Japan. It is worth mentioning the project on Vulnerability Assessment of Freshwater Resources in Transboundary river basins (Ganges-Brahmaputra-Meghna, Indus, and Helmand in South Asia and Mekong in Southeast Asia) conducted for UNEP.