

Regional Workshop
on
'Energy and Resource Efficiency in Urban Water Management'
December 20, 2013, New Delhi

Bio CV of Speakers



Dr. Suresh Kumar Rohilla, holds a doctoral degree from Queen's University Belfast, UK. He was a Fulbright Fellow affiliated at University of California, Berkeley and is Visiting Fellow at School of Planning, Architecture and Civil Engg., Queen's University Belfast. Currently he is the Head of the Centre of Excellence in Sustainable Water Management of Ministry of Urban Development and National Key Resource Centre working for the Ministry of Drinking Water & Sanitation, Government of India at CSE.

He has a vast experience in planning and development of area development/township and infrastructure projects in the area of water and environmental sustainability in the urban context. He has been nominated as the expert member of the various committees set up by Central / State Governments and international professional bodies.



Mr. R.K. Srivastava, a 1984 batch IAS officer, is the Secretary (UD-I), Urban Development Department, & Director of Local Bodies, Govt. of NCT of Delhi, since 2009. He held charge of the department throughout the 'regularization' drive of 895 unauthorized colonies. He holds Msc and MPhil in Botany.



Debashree Mukherjee, a 1991 batch IAS officer, was appointed the Chief Executive Officer of the Delhi Jal Board (DJB) on 29 April 2012. She is the first woman to assume the top DJB position. She holds a M.Sc degree in Water and Environmental Management from Loughborough University, UK. M.A. in Linguistics and English from Jawaharlal Nehru Vishwavidyalaya.

Was Secretary Social Welfare and Women and Child Development, Government of National Capital Territory of Delhi, 2007-2009. Also was urban adviser, Department for International Development, 2005-2009.



Dr. Mahreen Matto, holds a doctorate degree in Environmental Biotechnology from Aligarh Muslim University, India. She has published 9 international research articles in the field of industrial wastewater treatment by enzymes in reputed journals like Journal of Hazardous Materials, Chemosphere, Journal of Molecular Catalysis B: Enzymatic, etc. She also has experience in journal production and research.

Has supervised post graduate students in their summer research projects at Department of Biochemistry, Aligarh Muslim University, India from 2005-2008. Currently she is working with the Water management unit at CSE on Sustainable water management and Decentralized wastewater recycles and reuse.

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Prof. H.S. Shankar, a retired professor, Chemical Engg. IIT Mumbai, is a doctorate from Monash University, Australia. He works in the area of ecological engineering (1990 onwards) and has extensively researched in the processes engaging ecology consisting of soil, plants and soil micro & macro-organisms include geophagous earthworms. He has researched in the new developments in Engineered Ecosystems for deployment in non chemical drinking water purification, nonchemical swimming pool water purification, retrofitting of existing waste treatment plants for effluent compatibility with aquatic life. He has developed a wastewater treatment technology viz. Soil Bio-technology and has been extensively working in spreading the technology throughout India.



Dr. Rajesh Biniwale, Principal Scientist, National Environmental Engineering, Nagpur, holds a masters degree in Chemical Engineering from University of Roorkee in 1994, he has obtained Ph.D. from Hokkaido University, Japan in 2006. The same University has also awarded Doctor of Science to Biniwale in 2006. Dr. Biniwale has been working in the field of environmental and energy resources related applications. He is member of hydrogen storage and transportation committee of ministry of new and renewable energy, Delhi. Earlier contributed to committees of pollution control board and presently advising various municipal bodies on decentralized sewage treatment. He has worked as fuel expert on Asian Development Bank project in Bangladesh, automotive emission control expert on World Bank Project in Mumbai.



Dr. Ravinder Kaur, Ph.D. (Soil Physics & Soil & Water Conservation) is currently the Project Director of the Water Technology Centre of Indian Agricultural Research Institute, New Delhi and has 21 year of experience on research/ technology development in various areas of agricultural water management, right from field to watershed scale. She has contributed significantly in developing/ standardizing decentralized engineered wetland technologies for wastewater treatment and resource reuse/ recycle.

She also has to her credit 1-patent and 2-copyrights w.r.t. the novel image processing techniques for precise resource characterization from both field and satellite/ aircraft platforms and 4-copyrights w.r.t. the decision support systems (such as IMPASSE[®], USAR[®], ResourCeS[®] and DROP[®]) for managing poor quality irrigation waters, salt affected agricultural lands and for flood forecasting from un-gauged watersheds.



Dr. Uday Kelkar, Director, NJS Engineers India Pvt Ltd. has more than 23 years of experience in the process design of Water and Wastewater treatment Projects including 9 years in India on various World Bank/ JBIC/ USAID/USTDA projects. During these years, Dr. Kelkar has served in various capacities, as Managing Director/ Business Director, Business Development Manager, Program Manager, Project Manager, Process engineer, and Team leader on a number of design/engineering projects and/or studies in water and sanitation sector in USA, Middle East and India. He is currently the Director of NJS Consultants Co. Ltd, Japan for its India Operation and Managing Director of NJS Engineers India (NJSEI), a wholly owned subsidiary of NJS Consultants of Japan.

His expertise includes study, evaluation and design of water and wastewater treatment processes; process chemistry; oxidation (conventional and advanced), disinfection-physical/chemical; advance nutrient removal process (BNR), application of membranes in wastewater (MBR and Tertiary filtration) processes, energy management, Recycle and Reuse of domestic wastewater for non-potable application; Landfill leachate treatment; Master planning; treatment techniques for the minimization, handling, and disposal of water and wastewater treatment plant residuals.

He has authored and presented more than 100 papers ranging from managing water quality in lakes to

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water/wastewater treatment process & design, optimization of unit processes to application of low pressure membranes for water/wastewater treatment, recycle & reuse, treatment of water and wastewater residuals.



Dr. Renu Khosla is the Director of the Centre for Urban and Regional Excellence (CURE). She works with slum communities in a number of Indian cities with the purpose of reimagining slum development; engineering a shift from city to people-led development. Through her work, she is; strengthening capacity of local, state and national government agencies for engaging with the poor, visualizing community information using spatial (GIS) technologies, and localizing implementation strategies for building inclusive cities.



R.S. Tyagi, Member (Drainage) DJB has done his Bachelors in Civil Engineering in 1980, MBA in 2005, is fellow of Institution of Engineers, Vice Chairman, Indian Water Works Association, Delhi Center & Chartered Engineer Service: two & half years in DDA during Asiad -1982. 30 years in Delhi Jal Board at various positions.

Important projects: Interceptor Sewer for Yamuna cleaning, Asiad projects: Construction of JLN Stadium, Indira Gandhi Indoor stadium, Commonwealth games projects, Rehabilitation of Trunk sewers, construction of Sewage Treatment Plants, Sewage Pumping Stations and sewerage network, I.T. projects and water tanker management system.



Manu Bhatnagar is trained Architect with a post graduation in urban and regional planning from Cornell University, USA. He has been heading the Natural Heritage Division at INTACH since 1996 where he is now the Principal Adviser. He is also an environmental adviser to major infrastructure firms. His basic planning qualifications have been augmented by 'Ecology and Habitat Studies' from Exeter University, U.K, Conservation of Lakes and Rivers from Indian Institute of Technology, Roorkee, Disaster Management studies from World Bank, Diploma in Environmental Law from WWF, Strategic Environmental Assessment studies from Oxford Brookes University.

He has contributed to environmental conservation efforts and documentation of natural heritage in diverse parts of the country with a focus on water issues. He has authored significant policy papers and implemented successful projects in the areas of Heritage Conservation, Lake Management, Macro Water Harvesting, Watershed Management, Urban Environmental Planning, Village planning. He has been a part of several multi-disciplinary consultancy teams and contributed papers in national/ international conferences.



Pradeep Kumar, Director – India Office, Alliance to Save Energy, Bangalore, has vast experience in the field of public and private sector energy efficiency (EE), clean energy, sustainable development and CDM programs. His expertise covers EE program in water supply and street lighting systems, buildings, SME cluster, and energy efficiency procurement. He has been instrumental in providing strategic and technical advice to various government and international development agencies in India and developed three state wide municipal energy efficiency programs in India covering more than 200 municipalities' including water utilities. He has a Bachelor's degree in Mechanical Engineering and post graduate in Energy Engineering.



Prof. Somnath Sen did his doctorate from Indian Institute of Technology Kharagpur. He is currently working as Associate Professor, Department of Architecture & Regional Planning, IIT, Kharagpur. Prof. Sen has guided three PhD students, published in a number of Monographs, conferences and journals (international and national) and worked on 5 industrial consultancy perspective plans. He has the following honours/distinctions to his credit: Fellow Member of Institute of Town Planners India (FITP-84/35); Associate Member of Indian Institute of Architects

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(AR-8517); AIPA: Associate Member of Indian Institute of Public Administration, (O-466).



Dr. Virendra Kumar Paul, Assistant Professor and Head of the Department of Building Engineering and Management in SPA, holds a PhD degree from School of Planning and Architecture, New Delhi, India. His area of interest includes Quality Management and Building Science. He is involved in academic since 1990 with some institutional consulting assignments. He is the recipient of Indian Building congress medal in February 1996 and Architecture Engineering gold medal by the institution of Engineers (India) in January 1998. About 46 papers have been published and presented by him at national and international conferences and/seminars.



Dirk Walther, Senior Adviser, GIZ- India, is MSc in Water resource management from University of Northeast Lower Saxony and MSc in Geology from University of Göttingen. Presently he is Senior Adviser for the Indo-German Environmental Programme ASEM at GIZ. He has a fine Research experience in Water and Sanitation, Water treatment technologies and Fresh/Saline water interfaces. He has done various project works; publications; presentations and training programs in areas of Decentralized domestic waste water treatment systems, Conservation of surface water environments, Integrated Water Resource Management (IWRM) in rural water supply and Ground water storage and exploration from non-consolidated aquifers. He has also been Adviser to different state Pollution control boards and established environmental consultancy firms.

Dr. S. D. Singh, IFS (Indian Forest Service Officer of 1988 - Batch), Master in Agriculture and Agro-meteorology as well as Doctorate in Agronomy from IARI, PUSA, New Delhi, has 25 years' rich experience in Environment, Forests, Wildlife as well as biodiversity of Alpine regions of Uttarakhand to Ravines of Bundelkhand including subtropical and temperate areas of Uttar Pradesh and Uttrakhand.

He has also worked for rejuvenation and management of water sources and watersheds since 1990. Since August-2008, he is working as Chief Executive Officer, Delhi Parks and Gardens Society and Nodal Officers (Water Bodies in NCT of Delhi) to co-ordinate the management of Parks and Gardens as well as Water Bodies in NCT of Delhi with different land owning agencies



Paritosh C. Tyagi graduated as a civil engineer, obtained a Master's degree in public health engineering and a degree in academic law. He worked on secondment in the Planning Commission of the Government of India, Water Department of the Republic of Kenya, Asian Development Bank, Uttar Pradesh State Pollution Control Board and the Central Pollution Control Board.

Since retirement from public service in 1990, he has been working as an Individual Consultant on short-term assignments related mainly to environmental management but also to water supply and sanitation. Currently, he is Chairman of the Accreditation Committee for EIA Consultants set up under the Quality Council of India.



Diwan Singh is a Member of an environmental group called Natural Heritage First. He has been awarded Fellowships (2007-2011) from India Friends Association (IFA), for doing research and awareness campaign on the valuation and preservation of natural water resources like Yamuna Flood Plains and Ridge Forests in Delhi. In 2006-07, he was awarded a similar Fellowship by Environment Equity and Justice Partnership (EEJP), Delhi. Involved in Campaign to protect Ridge Forests in Delhi; Preservation of River Yamuna Flood Plains in Delhi and Survey; revival of water bodies in South West Delhi; Campaign to protect community lands in Village Bakkarwala in West Delhi;

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Campaign to rejuvenate water body in Village Pochanpur, Sec-23, Dwarka in South West Delhi. Has also worked towards protection of Badkal lake in Faridabad and on Children' Right to Play in Dwarka area. As member of Parivartan, has worked on RTI and other anti-corruption measures. Also involved in Urban Planning: interventions in MPD-2021 on infrastructure, water, carrying capacity and other issues of urban planning; and in DJB's approval of water schemes. Has worked as Consultant and completed a R&D project (2011-12) on 'Sustainable water yield from Yamuna Flood Plains' as Project coordinator for WAPCOS. Has many presentations and papers to his credit. Attended *South Asia Regional Workshop on Transparency and Integrity in Water Sector* organized by Transparency International on 3-5 Nov. 2007. Represented India at the *East Asia Workshop on Transparency and Integrity in the Water Sector* held on 27-28 March 2008 at Manila, Philippines organized by Water Integrity Network, Berlin and Ibon Foundation, Manila.

Dr. S.K. Gupta, Scientist D, CGWB, R.K. Puram, New Delhi, has completed his post-graduate degree in Geology from MD University, Rohtak in the year 1979 and PhD (Science) from Rajasthan University, Jaipur in the year 2009. He joined Central Ground Water Board in 1982. Before joining CGWB, he has worked as Lecturer in Govt. PG College during 1979-80 and as Technical Assistant in Haryana State Govt. for about three years. He was on deputation as Dy Director (Hydrology) in National Water Development Agency for two years during 1992-94. He has supervised preparation of surface water estimation reports, interlinking of river project reports and many Reservoir studies of Upper Yamuna basin/ sub basins. Dr Gupta has served CGWB in various capacities as Asstt Hydrogeologist, Scientist B and Scientist C before becoming Scientist D in 1998.

In CGWB, he has worked in Western Region, Jaipur, North Western Region, Chandigarh, CHQ, Faridabad and CGWA, New Delhi office. Presently he is holding the post of Scientist "D". During the professional service of more than 33 years, he has conducted and supervised various scientific assignments viz. systematic and reappraisal hydrogeological surveys, Ground water Exploration, preparation of hydrogeological maps, ground water resources estimation etc. in diverse hydrogeological terrains of Rajasthan, Punjab, Haryana, Himachal Pradesh and Chandigarh. He was posted in CHQ, Faridabad and was associated for implementation of HP-II mandate for CGWB. Presently he is posted in CGWB, New Delhi office since last one and half year and is associated with sustainable management of ground water resources and laission. He has authored number of technical reports, district reports, state reports and has a number of scientific papers to his credit.