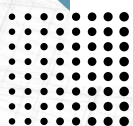




## **CLEAN WATER FOCUS GROUP WORKSHOP**

# **ENHANCING WATER QUALITY AND SUSTAINABILITY IN THE ASIA PACIFIC FOR IMPROVED PUBLIC HEALTH**



**FRIDAY, 22 NOVEMBER 2024  
(9:00AM - 12:30PM LOCAL TIME / UTC + 5:30)**



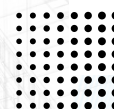
**CSIR, NATIONAL PHYSICAL LABORATORY, INDIA (NPLI)  
NEW DELHI, INDIA**

More Information at  [www.apmp2024.in](http://www.apmp2024.in)





# Workshop Agenda



09:00am

## Opening Remarks

Dr Richard Shin, CWFG Chair, Health Sciences Authority (HSA), Singapore

09:05am

## Keynote Address: Global Standards and Best Practices for Water Quality Monitoring and Sustainability: Insights from WHO CC

Dr Atul Maldhure, Principle Scientist & Associate Professor (AcSIR), Water Technology and Management Division, CSIR – National Environmental Engineering Research Institute (NEERI), India

09:40am

## Group Photo

(subject to change based on the organiser's arrangement)

09:50am

## Session 1: Water, Sanitation and Hygiene: Behaviour Change and Health

Mr Depinder Singh Kapur, Director of Water Programme, Centre for Science and Environment, India

10:10am

## Session 2: Emerging Contaminants: Identification, Monitoring, Treatment Technologies, and Regulatory Challenges

Dr Shaikh Ziauddin Ahammad, Professor, Department of Biochemical Engineering and Biotechnology, IIT Delhi, India

10:30am

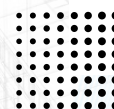
## Coffee Break

(subject to change based on the organizer's arrangement)





# Workshop Agenda



10:50am

## **Session 3: Enhancing Urban Resilience through Mainstreaming the Circular Economy in Used Water Management**

Ms Saiba Gupta, Programme Associate, Council on Energy, Environment and Water, India

11:10am

## **Session 4: Role of Metrology (or Metrology Institutes) in Ensuring Clean Water**

Dr S. Swarupa Tripathy, FAEB, Senior Principal Scientist & Associate Professor (AcSIR), Head, Chemical & Food BND Group, Chemical & Food BND Group, Indian Reference Materials Division, CSIR-National Physical Laboratory, National Metrology Institute of India, India

11:30am

## **Session 5: Overview on APMP Past & Future Activities Related to Water Quality and Sustainability**

Dr Richard Shin, CWFG Chair

11:50am

## **Panel Discussion: Collaborative Approaches for Regional Water Quality & Sustainability Improvement**

Moderated by: Dr S. Swarupa Tripathy

12:20am

## **Closing Remarks**

Dr Richard Shin, CWFG Chair

Contact us

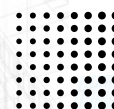


**Richard\_Shin@hsa.gov.sg**  
**Fransiska\_Dewi@hsa.gov.sg**





# Distinguished Experts



## **Dr Atul Maldhure**

Dr Atul V. Maldhure is a Principal Scientist and Associate Professor (AcSIR) at the Water Technology & Management Division of CSIR-NEERI, Nagpur. He has more than 12 years of research experience in the development of water treatment technologies, industrial water management, advanced oxidation processes and the development of field-based water quality testing kits. He developed and modified 3 water treatment technologies and also led the National Accreditation Board for Testing and Calibration Laboratories (NABL) accredited water quality testing laboratory.

At NEERI, he provides technical support to various state and central government departments to supply safe water to all sustainability. Dr Maldhure is also working with various regulatory authorities on various environment-related matters. He is involved in High Court and NGT-related legal projects to provide technical support to the Central and State Pollution Control Boards. Expert panel member of BIS and CPCB committees.



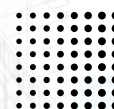
## **Mr Depinder Singh Kapur**

Mr Depinder Singh Kapur is the Director Water Program, at the Center for Science and Environment. As a senior development and WASH expert, he has worked previously with the national government, with international and national development agencies including WaterAid, CARE, Oxfam, WSSCC, SPWD and AKRSP. He has led research and advocacy initiatives in livelihoods and WASH, and contributed to the development of urban capacity development frameworks and approaches and also taught briefly at Shiv Nadar University (Water Science Policy course).





# Distinguished Experts



## **Shaikh Ziauddin Ahammad, PhD**

Dr Shaikh Ziauddin Ahammad is a Professor in the Department of Biochemical Engineering and Biotechnology, IIT Delhi. His research interests include water and wastewater treatment, bioremediation of emerging pollutants, antibiotic resistance in the environment and bioreactor design.

Dr Ahammad has more than 10 years of experience in the field of environmental technologies and worked closely with many international companies and governing bodies. He has multiple collaborations in France, United Kingdom, Germany, Netherlands, Canada, China, South-East Asia and Japan. He is a recipient of many projects from esteemed funding agencies such as Gates foundation and world bank. He is also currently an invited member of International Water Association.



## **Ms Saiba Gupta**

Ms Saiba Gupta is a Programme Associate with the Sustainable Water Programme at the Council on Energy, Environment and Water (CEEW). She is currently working on the circular economy in used water management. She is engaged with urban local bodies for city-level planning for the reuse of treated water. She is an urban planner and Architect with a background in urban development policies.

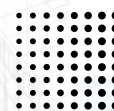
Ms Gupta formerly worked at the National Institute of Urban Affairs (NIUA) on drafting the Master Plan for Delhi 2041 in association with the Delhi Development Authority. She has also been associated with the Sustainable Cities Integrated Approach Pilot in India, implemented by the United Nations Industrial Development Organization (UNIDO) and UN-Habitat.

Ms Gupta holds a Master's in Urban Planning and Policy Design from Politecnico di Milano, Italy, and a Bachelor's in Architecture from Sushant School of Art and Architecture, Gurgaon, India.





# Distinguished Experts



## **Dr S. Swarupa Tripathy**

Dr S. Swarupa Tripathy is a Senior Principal Scientist in CSIR–National Physical Laboratory (NPL), the national metrology institute (NMI) of India. She received her M. Phil. and Ph.D in 2003 from CSIR–IMMT (formerly RRL) under Utkal University, Odisha. She looks after the Metrology in Chemistry (MiC) and development of indigenous BND/CRM activity and involved in the international inter-comparison programme, APMP CWFG and TCQM to show capability of MiC activity of NPL. She has 17 years of experience working on Proficiency Testing programme in water and food area, supporting statutory bodies, like BIS and NABL, by serving as an assessor, technical expert, and faculty member. She has supported reference material producers in India involved in development of CRMs/BNDs in water, building materials and petroleum product. She received Young Scientist Award from the Academy of Environmental Biology (AEB) and presently associated as a Fellow of AEB. She had mentored six Ph.D. students, published more than 50 scientific publications in reputable journal, several book chapters and more than hundred conference proceedings.



## **Dr Richard Shin**

Dr Richard Shin is the Team Leader of the Inorganic Chemistry Section as well as the Technical Manager of the Chemical Metrology Laboratory (CML) at the Health Sciences Authority (HSA), Singapore. Since 2008, he has led his team in developing expertise in inorganic measurements and providing essential metrological services, including External Quality Assessment Programmes and certified reference materials. Under his leadership, the Inorganic Chemistry Section has participated in over 24 international and regional benchmarking comparisons. His research centres on inorganic measurements across diverse matrices such as water, food, beverages, cosmetics, and human serum. Dr Shin also serves on the Joint Committee for Traceability in Laboratory Medicine (JCTLM) review team for Non-Electrolyte Metals, reviews Calibration and Measurement Capability (CMC) claims under APMP TCQM, and is a technical assessor for the Singapore Accreditation Council (SAC–SINGLAS). After serving as the Deputy Chair of the APMP Clean Water Focus Group (CWFG) for six years, he is now the current Chair of the Focus Group.