

INTERNATIONAL WORKSHOP

on

“Water Purification Technologies, Arsenic Removal from Groundwater and Integrated Water Management (IWWPT-2022)”

(In Hybrid Mode)

28-30 June, 2022

PROGRAM SCHEDULE

DAY 1: 28 June, 2022	Link For Day 1	MS Teams	YouTube
TIME [Indian Time] (GMT+ 5.5 hrs.)	PROGRAMME		
INAUGURAL SESSION			
11:00 AM - 11:10 AM	Introduction and Welcome by Dr. Vinod K. Shahi , Chief Scientist/Divisional Chair, Membrane Science & Separation Technology Division, CSIR-CSMCRI, Bhavnagar, India		
11:10 AM - 11:20 AM	Welcome Address by Dr. Amitava Bandopadhyay , Director General, Centre for Science & Technology of the Non-Aligned and Other Developing Countries (NAM S&T Centre), New Delhi, India		
11:20 AM - 11:30 AM	Inaugural Address by Dr. Kannan Srinivasan , Director, Council of Scientific and Industrial Research-Central Salt & Marine Chemicals Research Institute (CSIR–CSMCRI), Bhavnagar, India		
11:30 AM - 11:40 AM	Address by Padma Shri Prof. Pradeep, T. , Indian Institute of Technology Madras, Chennai, India		
TEA BREAK (11:40 AM - 12:00 AM)			
12:00 AM - 01:00 PM	Inaugural Lecture by Padma Shri Prof. Pradeep, T. , Indian Institute of Technology Madras, Chennai, India Affordable clean water using advanced materials		
LUNCH BREAK (01:00 PM -02:00 PM)			
SESSION-I Keynote Lectures Session Chair: Prof. D. Mohan , Anna University, Chennai, India			
02:00 PM - 02:45 PM	Dr. Pradip Kumar Tewari , Visiting Professor, Indian Institute of Technology, Jodhpur, India	<i>Sustainable Challenges Opportunities</i>	<i>Water: and</i>

02.45-03.30 PM	Dr. Dipankar Saha , Former Member, Central Groundwater Board, Ministry of Jal Shakti, Government of India, New Delhi, India	<i>Aquifer-based water supply in groundwater dependent arsenic contaminated areas</i>
03:30 PM - 04:15 PM	Dr. Pawan Kumar Labhassetwar , Chief Scientist & Head, Water Technology and Management Division, CSIR-National Environmental Engineering Research Institute, Nagpur, India	<i>The Conundrum of Water Treatment – Reality and Priority</i>
TEA BREAK (04:15 PM- 04:30 PM)		
SESSION-II		
<i>Session Chair : Dr. Pawan Kumar Labhassetwar, CSIR-NEERI, Nagpur</i>		
04:30 PM - 04:45 PM	Ms. Mya Thandar Khin Assistant Director, Environmental Conservation Department, Ministry of Natural Resources and Environmental Conservation, Myanmar	<i>Arsenic contamination in groundwater and food and remediation measures in Myanmar (Virtual)</i>
04:45 PM - 05:00 PM	Mr. Zulhelmi Bin Kasim Senior Executive, Ministry of Environment and Water, Malaysia	<i>Water Pollution in Malaysia (Virtual)</i>
05:00 PM - 05:15 PM	Prof. Kissao GNANDI Géologie - Géosciences Envir. et Hydrogéologie, Dpt de Géologie, Faculté des Sciences, Université de Lomé, Togo	<i>The contamination of Lake-Togo and Aného Lagoon complex (Southern Togo) by trace metal caused by the dumping of phosphorite mining wastes (Virtual)</i>
05:15 PM - 05:30 PM	Dr. Yacouba SANOU Enseignant-chercheur, University Joseph KI-ZERBO, EDST // LCAEBiO, Burkina Faso	<i>Arsenic Contamination from Water in Burkina Faso: Overview, Mitigation and Perspectives (Virtual)</i>
05:30 PM - 05:45 PM	Prof. Enas Aboutaleb Former Chief Executive Officer, Egyptian Environmental Affairs Agency (EEAA), Ministry of Environment; Prof. of Wastewater Treatment Technologies, Water Research and Pollution Control Department, Environmental Science Division, National Research Centre (NRC), Egypt	<i>Status of Arsenic in Groundwater in Egypt Aspect for Future (Virtual)</i>

05: 45 PM - 06:00 PM	Joint Paper by – Dr. Subhi Abed Al- kader Samhan Director Research and Development Palestinian Water Authority, Palestine; Dr. Bayan khalaf Assistant Professor - Chemistry Arab American University , Jenin, Palestine; and Prof. Shehdeh Jodeh Professor An-Najah N University, Palestine	<i>Novel Cellulose-Based Hectocycle Nanopolymers for Arsenic Removal from Groundwater (Virtual)</i>
06: 00 PM - 06: 15 PM	Dr. A.G. Piyal Aravinna Chemical & Environmental Section CECBLS, Central Engineering Consultancy, Sri Lanka	<i>Arsenic in Water, Soil and Food in Sri Lanka (Virtual)</i>

DAY 2: 29 June, 2022	Link For Day 2	MS Teams	YouTube
TIME [Indian Time] (GMT+ 5.5 hrs.)	PROGRAMME		
SESSION-III			
Session Chair : Mr. Swachchha Majumdar, CSIR-CGCRI, Kolkata, India			
10:00 AM - 10:40 AM	Dr. Sridhar S. Chief Scientist, Indian Institute of Chemical Technology, Hyderabad, India	<i>Innovations in Membrane Science & Technology for Combating Water Scarcity and Covid-19 Pandemic</i>	
10:40 AM - 11:20 AM	Prof. D. Mohan Anna University, Chennai, India	<i>Emerging Membrane Technology processes in Water Desalination with reduced Carbon foot print</i>	
TEA BREAK 11.20-11.40 AM			
11:40 AM - 12:10 PM	Dr. Kunal Kanti Majumdar Professor of Public Health, KPC Medical College, Kolkata, India	<i>Arsenic contamination of groundwater and its impact on Health</i>	
12:10 PM - 12:40 PM	Prof. Anurag Mudgal Department - Mechanical, School of Technology, Pandit Deendayal Energy University, Ahmedabad, India	<i>Feasibility and parametric studies of thermal energy driven MED and RO systems for brackish water treatment</i>	
12: 40 PM - 01:10 PM	Dr. Santanu Karan, CSIR- CSMCRI, Bhavnagar, India	<i>Polymer Nanofilm Composite Membranes for Ionic and Molecular Separation</i>	
OFFICIAL LUNCH (01:10 PM -02:00 PM)			

SESSION-IV		
<i>Session Chair : Dr. Sridhar S., CSIR-IICT, Hyderabad, India</i>		
02:00 PM - 02:30 PM	Prof. David Polya FSE Associate Dean for Internationalisation, Professor of Environmental Geochemistry, Dept. of Earth and Environmental Sciences, The University of Manchester, UK	<i>Groundwater Arsenic in India – Distribution, Impacts & Remediation Perspectives (Virtual)</i>
02:30 PM - 03:00 PM	Dr. Neelima Alam Department of Science & Technology, Ministry of Science and Technology, India	<i>DST's water interventions and it's impacts (Virtual)</i>
03:00 PM - 03:30 PM	Prof. Punyasloke Bhadury Department of Biological Sciences, Centre for Climate and Environmental Studies, Indian Institute of Science Education and Research (IISER), Kolkata, India	<i>Biogeochemistry of arsenic cycling - translating microbial responses towards As-free potable water (Virtual)</i>
03:30 PM - 03:45 PM	Dr. P. S. Navaraj Former Associate Professor, Dean and Principal; Water Researcher, Global Care Foundation, Madurai, India	<i>Current researches of Arsenic removal in water – A review (Virtual)</i>
03:45 PM - 04:00 PM	Dr. Lalit Mohan Sharma Principal Scientist, Water Research and Training Water Researcher, S M Sehgal Foundation, Gurugram, India	<i>Arsenic Removal in Groundwater (Virtual)</i>
TEA BREAK (04:00 PM- 04:20 PM)		
SESSION-V		
Presentations by Participants		
<i>Session Chair : Dr. Kunal Kanti Majumdar, Professor, KPC Medical College, Kolkata, India</i>		
04:20 PM - 04:35 PM	Dr. Eng Ahmad Shoiful Junior Engineer, Research Center of Environment and Clean Technology, The National Research and Innovation Agency (BRIN), Indonesia	<i>Arsenic contamination in Indonesia (Virtual)</i>
04:35 PM - 04:50 PM	Dr. Rabelani Mudzielwana Senior Lecturer, University of Venda, South Africa	<i>Synthesis of inorgano-organo modified kaolin clay for As(III) and As(V) removal from groundwater (Virtual)</i>
04:50 PM - 05:05 PM	Dr. Chander Kumar Singh TERI School of Advanced Studies, New Delhi, India	<i>Business of Poison: Willingness of rural households to have their groundwater well tested for arsenic for a fee (Virtual)</i>

05:05 PM - 05:20 PM	Dr. N C Mondal Principal Scientist, Earth Process Modeling Group & Assoc. Prof., Academy of Scientific & Innovative Research (AcSIR), CSIR – National Geophysical Research Institute (NGRI), Hyderabad, India	<i>Assessing hazards of arsenic leakage in multi-layered aquifer system in a part of Middle Ganga Plains, Northern India (Virtual)</i>
05:20 PM - 05:35 PM	Joint Paper by – Ms. Dilini Saumya Samarahewa Deputy Principal, Sanghamiththa Balika Vidyalaya, Wackwella Road, Galle, Sri Lanka; and Dr. Chamila Dias Senior Lecturer, Centre for Environmental Studies & Sustainable Development (CESSD), The Open University of Sri Lanka, Sri Lanka	<i>Desalination of Sea Water using various sources of Activated Carbon (Virtual)</i>
05:35- 06:30 PM	POSTER PRESENTATIONS	

DAY 3: 30 June, 2022		Link For Day 3	MS Teams	YouTube
TIME [Indian Time] (GMT+ 5.5 hrs.)	PROGRAMME			
SESSION-VI <i>Session Chair : Dr. Noel Jacob Kaleekkal, NIT, Calicut, India</i>				
09:30 AM - 10:05 AM	Mr. Swachchha Majumdar Membrane and Separation Technology Division, CSIR-Central Glass & Ceramic Research Institute, Kolkata, India	<i>Ceramic Membranes and applications purification of ground water for decontamination of Arsenic and Iron [Invited Lecture]</i>		
10:05 AM - 10:40 AM	Dr. S. Prabhakar, Visiting Professor SRM Institute of Science and Technology, Ex-Head, Separation Technology Section, Desalination Division, BARC	<i>Transforming Waste to Wealth through Membrane Processes in an Eco-Friendly Manner [Invited Lecture] - (Virtual)</i>		

10:40 AM-10:55 AM	Dr. S. Rajamani Technical Expert - Environmental Engineering, UNIDO; & Chairman - Asian International Union of Environment (AIUE) Commission, Chennai, India	<i>State-of-the-Art Technology of Advanced oxidation process using Ozone in water and industrial wastewater treatment – A first of its kind treatment system in India</i> (Virtual)
10:55 AM - 11:10 AM	Dr. Raju Abraham Scientist-F, National Institute of Ocean Technology (NIOT), Chennai, India	<i>Advances in membrane distillation system for water purification with the development of a pilot model</i> (Virtual)
11:10 AM - 11:25 AM	Dr. Mohan TC Assistant Professor, Faculty of Life Sciences, Division of Biotechnology and Bioinformatics, JSS Academy of Higher Education and Research, Mysore, India	<i>The Intervention of Phytohormones to Reduce Arsenic Accumulation In Rice Grains</i> (Virtual)
11:25 AM - 11:40 AM	Dr. Pankaj Kumar Srivastava Principal Scientist, CSIR – National Botanical Research Institute (NBRI), Lucknow, India	<i>Arsenic in groundwater: a threat to agriculture and its mitigation measures to protect the food chain</i> (Virtual)
TEA BREAK (11:40 AM- 12:00 AM)		
SESSION–VII		
<i>Session Chair : Dr. Hariom Gupta, CSIR-CIMAP, Lucknow, India</i>		
12:00 PM - 12:30 PM	Prof. Bhaskar Sengupta Water Technology, School of Energy, Geoscience, Infrastructure and Society, Heriot-Watt University, Edinburgh Campus, UK	<i>High Arsenic and Heavy Metal Remediation from Groundwater in Mining Areas: A Case Study of Matehuala Mines in Mexico</i> (Virtual)
12:30 PM - 01:00 PM	Dr. Debapriya Mondal Global Health Centre for Clinical Education, Institute of Medical and Biomedical Education, St George's, University of London, UK	<i>Significant health risks of food-based arsenic exposure and remediation options</i> (Virtual)
OFFICIAL LUNCH (01:00 PM -02:00 PM)		
SESSION– VII		
<i>Session Chair : Dr. A. B. Panda, CSIR-NML, Jamshedpur, India</i>		
02:00 PM - 02:30 PM	Dr. Purnima Jalihal National Institute of Ocean Technology (NIOT), Ministry of Earth Sciences, Govt. of India, India	<i>Moving Away From Water Stress – The Road Ahead</i> (Virtual)
02:30 PM- 02:45 PM	Oral Presentations	
02:45 PM- 03:00 PM		

03:00 PM - 03:15 PM		
03:15 PM - 03:30 PM		
03:30 PM - 04:00 PM	Prof. Surajit Chakraborty Environmental Technology, Department of Environment Management, Indian Institute of Social Welfare and Business Management (IISWBM), Kolkata, India	<i>Capacity building for mitigation of arsenic pollution in groundwater of Bengal basin (Virtual)</i>
04:00 PM - 04:30 PM	Dr. (Mrs.) Saroj Sharma CSIR-CSMCRI, India	<i>Quest for arsenic remediation technology of drinking water: Initiative of CSIR-CSMCRI</i>
04:30 PM - 05:00 PM	CONCLUDING SESSION	
HIGH TEA		
