

**Program Details**

<b>Time (IST)</b>	<b>Time (AST)</b>	<b>Day 1 Date: March 17, 2022 (Thursday)</b>
5:30 - 6:00 PM	9:00 - 9:30 AM	<b>Introductory Remarks</b> - Prof. K N Satyanarayana, Director, IIT Tirupati - Dr. Alice Aiken, VP for Research and Innovation, Dalhousie University - Dr. Prachi Kaul, Director, Shastri Indo-Canadian Institute
6:00 - 6:30 PM	9:30 - 10:00 AM	<b>Talk 1:</b> Toxic Algal Blooms in Water Resources: A Message of the Mother Nature to Human Activities Prof. Tri Nguyen-Quang, Dalhousie University, Canada Ms. Heather Fraser, Moncton Municipality, New Brunswick, Canada
6:30 - 7:00 PM	10:00 - 10:30 AM	<b>Talk 2:</b> One-Dimensional Metal Oxide Nanostructures and Their Composites for Wastewater Treatment Applications Prof. Narendra Singh, Indian Institute of Technology Tirupati, India
7:00 - 7:30 PM	10:30 - 11:00 AM	<b>Talk 3:</b> Nanostructured Magneto Responsive Membranes from Block Copolymers Through Polymerization Induced Self-Assembly for Water Purification Dr. Lakshmeesha Upadhyaya, King Abdullah University of Science And Technology, Saudi Arabia
7:30 - 7:50 PM	11:00 - 11:20 AM	Break
7:50 - 8:30 PM	11:20 AM - 12:00 PM	Scholar Presentations I
8:30 - 9:00 PM	12:00 – 12:30 PM	<b>Talk 4:</b> Research Needs in Urban Water Supply Prof. B S Murthy, Indian Institute of Technology Madras, India
9:00 - 9:30 PM	12:30 - 1:00 PM	<b>Talk 5:</b> Purifying Water in Commercial Tilapia Production using Advanced Recirculating Aquaculture System in Canada Prof. Jesse Ronquillo, North Island College, Canada

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<b>Time (IST)</b>	<b>Time (AST)</b>	<b>Day 2 Date: March 18, 2022 (Friday)</b>
5:00 - 5:30 PM	8:30 – 9:00 AM	<b>Talk 6:</b> Integrated Water Management for Enhanced Water Security for Cities <i>Prof. Meenakshi Arora, The University of Melbourne, Australia</i>
5:30 - 6:00 PM	9:00 - 9:30 AM	<b>Talk 7:</b> Digital Water Network Management <i>Prof. Sridharakumar Narasimhan, Indian Institute of Technology Madras, India</i>
6:00 - 6:30 PM	9:30 - 10:00 AM	<b>Talk 8:</b> Remote Sensing and GIS Applications for Water <i>Prof. Young Ki Chang, Dalhousie University, Canada</i>
6:30 - 7:00 PM	10:00 - 10:30 AM	<b>Talk 9:</b> The Way Forward for Sustainable Water Treatment <i>Prof. Shihabudheen M Maliyekkal, Indian Institute of Technology Tirupati, India</i>
7:00 - 7:20 PM	10:30 - 10:50 AM	Break
7:20 - 8:40 PM	10:50 AM - 12:10 PM	Scholar Presentations II
8:40 - 9:10 PM	12:10 - 12:40 PM	<b>Talk 10:</b> Sustainable Groundwater Management - Role of Numerical Models <i>Prof. Renu V, Indian Institute of Technology (ISM) Dhanbad, India</i>
9:10 - 9:30 PM	12:40 – 1:00 PM	<b>Concluding Remarks</b> <ul style="list-style-type: none"> <li>- Prof. KSMS Raghavarao, IIT Tirupati</li> <li>- Prof. Balakrishnan Prithviraj, Associate Vice-President (Global Relations), Dalhousie University</li> <li>- Prof. Sasidhar Gumma, Office of International Affairs, IIT Tirupati</li> <li>- Vote of Thanks, Prof. Sunil Kumar Thamida, HoD Chemical</li> </ul>

**Scholar Presentations I**

<b>Time (IST)</b>	<b>Time (AST)</b>	<b>Day 1 Date: March 17, 2022 (Thursday)</b>
7:50 - 8:00 PM	11:20 - 11:30 AM	<b>D1P1:</b> Removal of Organic Dye from Aqueous Solution using Metal Industry Solid Waste <i>Pushpendra Kushwaha, Malviya National Institute of Technology</i>
8:05 - 8:10 PM	11:30 - 11:40 AM	<b>D1P2:</b> Advanced Wastewater Treatment Case Study for CETP in Jodhpur <i>Yogendra Chouhan, Indian Institute of Technology Jodhpur</i>
8:10 - 8:20 PM	11:40 - 11:50 AM	<b>D1P3:</b> Efficient Removal of 4-Nitrophenol from Aqueous Solution using Activated Carbon: Optimization, Isotherm, and Thermodynamic Study <i>Rajesh Choudhary, Indian Institute of Technology Madras</i>
8:20 - 8:30 PM	11:50 AM - 12:00 PM	<b>D1P4:</b> Investigation of Cellulose Nanofibers and Silver Nanoparticles Composites for the Wastewater Treatment <i>Chinthalapudi Naga Lakshmi, Indian Institute of Technology Tirupati</i>

**Scholar Presentations II**

<b>Time (IST)</b>	<b>Time (AST)</b>	<b>Day 2 Date: March 18, 2022 (Friday)</b>
7:20 - 7:30 PM	10:50 - 11:00 AM	<b>D2P1:</b> Fresh Water Sources and Cyanobacteria Issues in India <i>Devleena Sahoo, Birla Institute of Technology Mesra</i>
7:30 - 7:40 PM	11:00 - 11:10 AM	<b>D2P2:</b> A Multiscale Water-Energy-Land-Food Nexus Approach to Assess the Sustainability of Groundwater Use <i>Sai Jagadeesh Gaddam, Indian Institute of Technology Tirupati</i>
7:40 - 7:50 PM	11:10 - 11:20 AM	<b>D2P3:</b> Synthesis of Octahedral ZnO/ZnFe <sub>2</sub> O <sub>4</sub> Heterojunction for Efficient Degradation of Carbamazepine under Hydrodynamic Cavitation and UV Irradiation <i>Dr. Kuldeep Roy, Meerut Institute of Engineering and Technology</i>
7:50 - 8:00 PM	11:20 - 11:30 AM	<b>D2P4:</b> Ag Nanoparticles-Based Point of Use Disinfection System for Personal and Household Use <i>Uthradevi Kannan, Indian Institute of Technology Tirupati</i>
8:00 - 8:10 PM	11:30 - 11:40 AM	<b>D2P5:</b> Can Teleconnections Indices Unravel the Non-Stationarity in Extreme Precipitation over Monsoon Asia? <i>Meghana N, Indian Institute of Technology Madras</i>
8:10 - 8:20 PM	11:40 - 11:50 AM	<b>D2P6:</b> Role of Remote Sensing Data Sources in Prediction of Streamflows <i>Jay Chordia, Indian Institute of Technology Tirupati</i>
8:20 - 8:30 PM	11:50 AM - 12:00 PM	<b>D2P7:</b> Ultrathin G-C <sub>3</sub> N <sub>4</sub> Decorating Nano Hydroxyapatite (Ha) Composites as Competent Photocatalysts for Dye Deterioration <i>Mohammad Irfan, Indian Institute of Technology Tirupati</i>
8:30 - 8:40 PM	12:00 - 12:10 PM	<b>D2P8:</b> Water Desalination Integrating Forward Osmosis with Membrane Distillation <i>K Namratha, Indian Institute of Technology Tirupati</i>