

Poster Presentations Day 1 @ Second Floor Lobby Area

| Activity | Name | Title |
|-----------|-------------------------------|--|
| Poster 01 | Mrs. Rumeshika Perera | Smart GIS Analytics for Sustainable Water Quality Monitoring in the Upper Walawe Basin |
| Poster 02 | Mrs. S. L. Rasmiya Begum | Evaluation of potential of plant residue based biocarrier for nitrogen and phosphorous removal using a mesocosm study |
| Poster 03 | Mr. D. Yasotharan | Climate-Resilient Groundwater Management and Quality Adaptation Strategies in Manalkadu, Jaffna Peninsula, Sri Lanka |
| Poster 04 | Mr. L. D. S. Jayasinghe | Non-Revenue Water (NRW) Control Strategies for Kandy Municipal Council Area: A Case Study of Galagedara Billing Area, Kandy, Sri Lanka |
| Poster 05 | Mr. K. A. Chamila Prabhath | Degradation of Organic textile Dye using Graphene Oxide and Graphitic Carbon Nitride composite ($GO/g-C_3N_4$) as a Photocatalyst |
| Poster 06 | Ms. S. H. U. Hansani | Rock-Water Interactions Driving Groundwater Composition in the Dry Zone, Sri Lanka: Identified by Inverse Modeling |
| Poster 07 | Mr. K. V. V. Pathiratne | Greywater Reuse and Rooftop Harvesting for Sustainable Water management- Case Study in Kurunegala Municipal Area |
| Poster 08 | Mrs. V. Lakshani Siriwardhana | Factors Influencing the Continuance Intention to Use E-Payments: Evidence from Utility Bill Payments During the COVID-19 Pandemic |
| Poster 09 | Ms. Jinanjali Sumanasekara | Drought Analysis in Anuradhapura District using the Standardized Precipitation Index |
| Poster 10 | Mr. M. D. A. Lakkitha | Geogenic Adverse Groundwater Quality: Challenges and Cost-Effective Treatment for Safe Water Supply |

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| Poster 11 | Ms. S. N. Kalaimathy | Developing a Policy Framework for Managing Microplastic Contamination in Drinking Water Supplies in Sri Lanka |
| Poster 12 | Ms. R. M. N. K. Rajakaruna | Evaluation of Water Quality and Sanitation Practices in Commercial RO Filtration Units: A Year-Long Study in Anuradhapura Town, Sri Lanka. |
| Poster 13 | Mr. H. N. Sulakshana | Spatial Variations of Sulphur Content and Algal Diversity : A Case Study of the Samanalawewa Dam Leakage Canal |
| Poster 14 | Mr. G. W. J. V. Mahindarathna | Development of Water Quality Index for Mahaweli River |
| Poster 15 | Mr. Senthur. Sivasubramaniam | Effectiveness of Control Measure of Roughing Filter Plant under the Water Safety Plan Framework: A Case Study of the Point Pedro Water Supply Scheme |
| Poster 16 | Prof. Dr. Anowara Begum | The Unseen World: Revealing the Microbial Dark Matter and Core Microbiome from a Chironomus spp. Contaminated Drinking Water Storage Tank |
| Poster 17 | Mr. J. M. S. G. B. Navarathne | Detection of Microplastics Present in Water Samples Using Modified Graphene Oxide Quantum Dots |
| Poster 18 | Ms. Shakuni Senevirathne | Algal Blooms in Drinking Water Supply Reservoirs |
| Poster 19 | Ms. W. M. U. K. Kithulwatta | Comparative Study of TiO ₂ and MnO ₂ Nanoparticles for the Degradation of Methylene Blue in Water. |
| Poster 20 | Mrs. T. Satheeskumar | Mining for Insights: An Evaluation of Association Rules for Household Water Perception Data |

Poster Presentations Day 2 @ Second Floor Lobby Area

| Activity | Name | Title |
|-----------|--------------------------------------|---|
| Poster 21 | Mrs. W. R. A. C. Dishna Ranasinghe | Integrating Water Safety Planning for Enhanced Risk Characterization of Community-Based Water Supply Systems in Sri Lanka |
| Poster 22 | Ms. Withanage Buddika Anusha Withana | Statistical Assessment of Water Safety Awareness and Hygiene Practices in Rural Communities: A Case Study of Bulathsinhala, Sri Lanka |
| Poster 23 | Mr. H. M. M. Haleem | Domestic Water Consumption Patterns in Vavuniya Region |
| Poster 24 | Mr. S. K. D. C. H. Korala | Towards Early Prediction of Saltwater Intrusion in the Nilwala River: A Machine Learning based Rainfall-Runoff Modelling Framework for Sustainable Water Management |
| Poster 25 | Mr. K. A. K. R. M. Hemaweera | Assessing Asset Management Knowledge and Practices of a Community-Based Water Supply Organization |
| Poster 26 | Mr. H. R. P. T. R. P. Bawantha | GIS-Based Soil Erosion Modelling for Smart Water Quality Monitoring in Maskeliya Oya – Kehelgamu Oya Watershed |
| Poster 27 | Ms. W. S. Bowaddeniya | A Novel Fluorescence Screening Method for Microplastics in Drinking Water Using CdTe Quantum Dots |
| Poster 28 | Mr. Mohamed Shayan | Impacts of Urban Land Use on River Water Quality, Antibiotic Resistance Genes, and Farmer Health Risks in Galle, Sri Lanka |
| Poster 29 | Mr. Md. Wahidul Islam Murad | Efficacy of Centralized Wastewater Treatment in Mitigating Urban River Pollution: Empirical Evidence from the Dasherbandi STP, Bangladesh |
| Poster 30 | Mr. V. Mohan | Basic Assessment of Community Based Water Projects in Sri Lanka |

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| Activity | Name | Title |
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| Poster 31 | Mr. Mohamed Aboobucker Hinamullah | Achieving “Excellent Qualitative Rating” for Water Safety Plans: Factors Limiting Performance of Sri Lankan Water Supply Schemes |
| Poster 32 | Mr. Muhammad Ehteshamul Haque | Decoding Organic Matter Dynamics: UV ₂₅₄ Absorbance as a Cost-Effective Surrogate for TOC and COD Monitoring in Surface Water |
| Poster 33 | Mr. Md. Wahidul Islam Murad | Risk Assessment of Water Supply System Safety Based on Water Safety Plan (WSP) Implementation in Dhaka City, Bangladesh |
| Poster 34 | Mr. R. M. A. Priyanandana | Experimental Optimisation of Sodium Hydroxide Dosing for Chemical Softening of Bohitiya Borehole Water: Effects on pH, Hardness and Overall Water Quality |
| Poster 35 | Mrs. M. P. G. S. Gunaratne | Success and Challenges in Water Safety Plan Auditing |
| Poster 36 | Dr. Pavla Svermova | Sustainable Socio-economic Impact of the HCH Water Treatment Technology Wetland+® |
| Poster 37 | Mr. H. D. Jayathilake | Smart and Sustainable Dissolved Oxygen Monitoring in Meda Ela: A Case Study for Data-Driven Water Quality Management |
| Poster 38 | Ms. Kushlani Pathirana | Regulation of Selective Layer Thickness by Spin Acceleration in Thin Film Nano composite Membranes: Experimental Verification and Theoretical Insight |
| Poster 39 | Mr. H. W. Gunawardhena | Ensuring Climate Resilient Water Supply through Prioritized Areas in Water Safety Plan Auditing |
| Poster 40 | Mr. Khwaja Mir Tamim Haqdad | Canopy Elevation Controls on Rainfall Partitioning and Soil Erosion: Implications for Water Safety Plans |