

# IWA Water Safety Conference & Exhibition 2026

## Session 01

Sub Theme : Climate Resilient Water Supply Systems



**Auditorium**



**Session Chair:**

**Prof. Jagath Manatunga**



**Session Co-chair:**

**Dr. S. K. Weragoda**



**Rapporteur:**

**Mr. Sobana Thennakoon**

Coordinators: Mr. Dhammika B. Kasturiarachchi, Ms. Amali Somarathne

Compeering: Mr. Sameera Anurada

Assistant: Mr. Anushka Liyandeniya

MARCH

23

13:00 - 13:05

**Introduction of Chair & Co- Chair**

13:05 - 13:15

**Author : Mr. R. M. P. A. Thilakarathne**

**P- 1**

Title : Institutional Barriers to Drought Adaptation in Drinking Water Supply Systems Sri Lanka

13:15 - 13:25

**Author : Mr. Md Tashdedul Haque**

**P- 2**

Title : Evaluating the Multifunctional Benefits of Urban Stormwater Nature-Based Technologies

13:25 - 13:35

**Author : Ms. W. D. Lakmini**

**P- 3**

Title : Assessing Hydrological and Flood Risk Responses to Climate Change in the Nilwala Basin, Sri Lanka

13:35 - 13:45

**Author : Mr. Marvin John Uy**

**P- 4**

Title : Assessing the Extreme Weather Exposure of Urban Green Infrastructure for Water Safety and Stormwater Resilience

13:45 - 13:55

**Author : Mrs. W. D. U. Premarathna**

**P- 5**

Title : Modelling Spatial Variability of Water Yield and Its Sensitivity to Climate Factors: A Case Study of the Samanlawewa Watershed

13:55 - 14:15

**Discussion**

14:15 - 14:20

**Awarding of certificates & Token of Appreciation**

# IWA Water Safety Conference & Exhibition 2026

## Session 02

Sub Theme : Advancements in Sustainable Water Quality Monitoring, Smart Analytics and Reporting



Hall H



Session Chair:

Prof. Yuansong Wei



Session Co-chair:

Mrs. N. R. S. Wickremasinghe



Rapporteur:

Mr. M. I. Nazeer

Coordinators : Mrs. M. M. F. Hafsa, Mr. Kalpa Silva

Compeering : Mrs. I. V. H. Bandara

Assistant : Mr. Ravindu Heemaweera

MARCH

23

13:00 – 13:05

**Introduction of Chair & Co- Chair**

13:05 – 13:15

**Author : Ms. A. H. Somarathne**

P- 6

Title : Evaluation of Surface Water Quality along Mahaweli River within Kandy City Limits and its Suburbs

13:15 – 13:25

**Author : Mrs. Anoja Niroshan**

P- 7

Title : Eco-Friendly Graphite Furnace Atomic Absorption Spectrophotometry Protocol for Trace Cadmium Monitoring in Hypersaline Waters: Advancing Water Safety and Sustainable Desalination Management in Northern Sri Lanka

13:25 – 13:35

**Author : Mr. Sangeeth Prasad**

P- 8

Title : Spatiotemporal Dynamics of Dissolved Organic Matter (DOM) in Beira Lake, Sri Lanka

13:35 – 13:45

**Author : Mr. S. A. Witharana**

P- 9

Title : Impact of Geological Features and Lithological on Water Quality in Upper Kelani Basin

13:45 – 13:55

**Author : Mr. Ashen Randika**

P- 10

Title : Machine-Learning Prediction of DOM Composition and Disinfection By-Products Formation Potential in Seawater-Intruded Groundwater in Coastal Areas

13:55 – 14:15

**Discussion**

14:15 – 14:20

**Awarding of certificates & Token of Appreciation**

# IWA Water Safety Conference & Exhibition 2026

## Session 03

Sub Theme : Regulatory Approches, Water Safety Plan Auditing and Safety in Distributions and Building



Hall G



Session Chair:

Prof. Mahesh Jayaweera



Session Co-chair:

Mr. Ruwan Liyanage



Rapporteur:

Mr. H. D. S. Piyathilaka

Coordinators: Mr. Prageeth Thilakarathne, Ms. Hasinithara Gunasekara

Compeering: Ms. Rukshani Jayasinghe

Assistant: Ms. Yohani Thilakarathne

MARCH

23

13:00 – 13:05

**Introduction of Chair & Co- Chair**

13:05 – 13:15

**Author : Ms. Dessy Natalia Selly**

**P- 11**

Title : A systems approach to risk-based regulation for safe drinking water

13:15 – 13:25

**Author : Ms. Bettina Rickert**

**P- 12**

Title : Implementation guidance for German catchment risk management regulation

13:25 – 13:35

**Author : Ms. T. L. Gamage**

**P- 13**

Title : Strengthening Aquatic Biosecurity: Comparative Policy Lessons from South and Southeast Asia

13:35 – 13:45

**Author : Ms. Laura Huber**

**P- 14**

Title : External assessment of drinking-water risk management in Germany

13:45 – 13:55

**Author : Mrs. T. K. N. K. Kumari**

**P- 15**

Title : Successes and Challenges of Internal Formal Auditing of Water Safety Plan for Climate Resilience Water Supply

13:55 – 14:15

**Discussion**

14:15 – 14:20

**Awarding of certificates & Token of Appreciation**

# IWA Water Safety Conference & Exhibition 2026

## Session 04

Sub Theme : Innovations and Technological Advancements in Water Reclamation and Sustainable Reuse Practices



Hall E



Session Chair:

Prof. Thomas Pettersson



Session Co-chair:

Prof. Rohan Weerasuriya



Rapporteur:

Mrs. M.K.J.Prabodini

Coordinators: Mr. P. M. Jayarathna, Mrs. L. L. Anuradha

Compeering: Mr. Harsha Abeykoon

Assistant: Mr. Lahiru Madushanka

MARCH

23

13:00 – 13:05

**Introduction of Chair & Co- Chair**

13:05 – 13:15

**Author : Prof. An Liu**

**P- 16**

Title : Urban Stormwater Disinfection, Storage Quality Change and Influence on Microalgae: Implications for Reuse Safety

13:15 – 13:25

**Author : Prof. Bart De Gussemé**

**P- 17**

Title : Quality assessment of the first full-scale Direct Potable Reuse scheme using treated municipal wastewater in Belgium and Europe

13:25 – 13:35

**Author : Prof. Miroslav Cernik**

**P- 18**

Title : Full-Scale Operation of Hybrid CW for HCH Treatment

13:35 – 13:45

**Author : Prof. Dawei Yu**

**P- 19**

Title : A Novel pulse aerator for membrane module by coupling converging-diverging nozzle and tidal flow

13:45 – 13:55

**Author : Ms. M. M. Prabhani**

**P- 20**

Title : Assessment of Phytotoxicity and Growth-Promoting Potential of Fresh and Washed Hydrochar Using Seed Germination Index

13:55 – 14:15

**Discussion**

14:15 – 14:20

**Awarding of certificates & Token of Appreciation**

# IWA Water Safety Conference & Exhibition 2026

## Session 05

Sub Theme : Water Safety in Rural and Community Based Water Supply Systems



**Auditorium**



**Session Chair:**

**Prof. Lalith Rajapakse**



**Session Co-chair:**

**Dr. Ayomi Witharana**



**Rapporteur:**

**Ms. T. K. N. K. Kumari**

Coordinators: Mr. Dhammika B. Kasturiarachchi, Ms. Amali Somarathne

Compeering: Mr. Sameera Anurada

Assistant: Mr. Anushka Liyandeniya

MARCH

23

15:00 – 15:05

**Introduction of Chair & Co- Chair**

15:05 – 15:15

**Author : Mr. Md Azizur Rahman**

**P- 21**

Title : Household Treatment System for Safe Water in Coastal Bangladesh

15:15 – 15:25

**Author : Prof. Yuansong Wei**

**P- 22**

Title : Decentralized Safe Drinking Water Supply for Rural Community of Sri Lanka Using Nano-Filtration Membrane Technology: From Laboratory to Practice

15:25 – 15:35

**Author : Ms. A. B. S. Udagama**

**P- 23**

Title : A Rapid In-situ Cleaning Method for Slow Sand Filters to Enhance Water Production

15:35 – 15:45

**Author : Mr. A. W. K. Arif**

**P- 24**

Title : A Collaborative Approach for Transforming Rural Water Supply Schemes into a Sustainable Systems: A Case Study in Kandy District of Sri Lanka

15:45 – 15:55

**Author : Ms. W. M. S. Wijerathne**

**P- 25**

Title : Sustainability of Water Management in Rural Sri Lanka: A Multidimensional Assessment of Community-Based Water Supply Schemes in the North Central Province, Sri Lanka

15:55 – 16:15

**Discussion**

16:15 – 16:20

**Awarding of certificates & Token of Appreciation**

# IWA Water Safety Conference & Exhibition 2026

## Session 06

Sub Theme : Advancements in Sustainable Water Quality Monitoring, Smart Analytics and Reporting



Hall H



Session Chair:

Prof. Tushara Chaminda



Session Co-chair:

Mr. Deepthi Sumarasekara



Rapporteur:

Ms. Upeksha De Silva

Coordinators: Mrs. M. M. F. Hafza, Mr. Kalpa Silva

Compeering: Mrs. I. V. H. Bandara

Assistant: Mr. Ravindu Heemaweera



15:00 – 15:05

**Introduction of Chair & Co- Chair**

15:05 – 15:15

**Author : Ms. Ranoja Dickowita**

**P- 26**

Title : Integrating Eichhornia Crassipes for Sustainable Water Quality Monitoring: A Case Study on Major Urban Wetlands in Colombo

15:15 – 15:25

**Author : Ms. R. M. M. S. M. Rajapaksha**

**P- 27**

Title : Assessment of Groundwater Quality in Sri Lanka Using Spatial and Statistical Analysis

15:25 – 15:35

**Author : Ms. R. M. P. H. Rathnayake**

**P- 28**

Title : Review of Optimization Approaches in Conventional Water Treatment with Reference to the Diyathalawa Water Treatment Plant

15:35 – 15:45

**Author : Ms. G. L. P. N. Jayawardana**

**P- 29**

Title : Methods comparison in determining organic carbon in surface and ground water

15:45 – 15:55

**Author : Mr. W. G. Chathura Sanjeewa**

**P- 30**

Title : Impact of Low-Langelier Saturation Index Waters on the Durability and Sustainability of Grade 25 Concrete Water-Retaining Structures

15:55 – 16:15

**Discussion**

16:15 – 16:20

**Awarding of certificates & Token of Appreciation**

# IWA Water Safety Conference & Exhibition 2026

## Session 07

Sub Theme : Regulatory Approaches, Water Safety Plan Auditing and Safety in Distributions and Building



Hall G



Session Chair:

Mr. Sajjan Jayasiriwardhana



Session Co-chair:

Dr. Chandima Gunawardhana



Rapporteur:

Ms. Sumudu Ranaweera

Coordinators: Mr. Prageeth Thilakarathne, Ms. Hasinithara Gunasekara

Compeering: Ms. Rukshani Jayasinghe

Assistant: Ms. Yohani Thilakarathne

MARCH

23

15:00 - 15:05

**Introduction of Chair & Co- Chair**

15:05 - 15:15

**Author : Mr. N.Elenselian**

**P- 31**

Title : Assessing the Robustness of Water Safety Plans through Internal Audits: Evidence from Vavuniya District, Sri Lanka

15:15 - 15:25

**Author : Mr. Rui Sancho**

**P- 32**

Title : Two Decades of Preventive Water Quality Management: The Evolution of the Water Safety Plan at Águas do Algarve, SA

15:25 - 15:35

**Author : Mr. M. E. Sutharsan**

**P- 33**

Title : Perceived Water Quality, Household Practices, and Consumer Satisfaction under a Water Safety Plan: A Case Study

15:35 - 15:45

**Author : Mr. E. R. T. P. Ethauda**

**P- 34**

Title : Removal of Manganese from Drinking Water Using a Pilot-Scale Biological Trickling Filter

15:45 - 15:55

**Author : Ms. A. N. Ekanayake**

**P- 35**

Title : Bacterial Water Quality Issues and Societal Challenges Associated with Intermittent Water Supply in Sri Lanka: Preliminary Findings and Research Needs

15:55 - 15:15

**Discussion**

16:15 - 16:20

**Awarding of certificates & Token of Appreciation**

# IWA Water Safety Conference & Exhibition 2026

## Session 08

Sub Theme : Innovations and Technological Advancements in Water Reclamation and Sustainable Reuse Practices



Hall E



Session Chair:

Prof. Nadeeshani Nanayakkara



Session Co-chair:

Dr. Wasantha Illangasinghe



Rapporteur:

Ms. G. G. S. Lekha

Coordinators: Mr. P. M. Jayarathna, Mrs. L. L. Anuradha

Compeering: Mr. Harsha Abeykoon

Assistant: Mr. Lahiru Madushanka

MARCH

23

15:00 - 15:05

**Introduction of Chair & Co- Chair**

15:05 - 15:15

**Author : Mr. Sithira Ariyawansa**

**P- 36**

Title : Comparative Study on the Effect of Atmospheric Air Plasma Treatment on Coconut Coir Biochar for the Adsorptive Removal of Nitrate and Ammonium Ions

15:15 - 15:25

**Author : Dr. Libing Zheng**

**P- 37**

Title : Insight into the Magnetic Coagulation Separation for Black-Odor Water Restoration

15:25 - 15:35

**Author : Dr. Shuo Cheng**

**P- 38**

Title : Development of a Gel Flow-Electrode Microbial Fuel Cell for Efficient Wastewater Treatment and Energy Recovery

15:35 - 15:45

**Author : Ms. D. M. Saruwage**

**P- 39**

Title : Lime Sludge as a Sustainable Alternative for Soil pH Correction in Agriculture

15:45 - 15:55

**Author : Ms. M. M. Prabhani**

**P- 40**

Title : Co-Hydrothermal Carbonization of Sewage Sludge with Biomass Additives for Improved Solid Fuel Production

15:55 - 15:15

**Discussion**

16:15 - 16:20

**Awarding of certificates & Token of Appreciation**

# IWA Water Safety Conference & Exhibition 2026

## Session 09

Sub Theme : Water Safety in Rural and Community Based Water Supply Systems



Auditorium



Session Chair:

Mr. Sajjan Jayasiriwardhana



Session Co-chair:

Dr. Madhusa Sudasinghe



Rapporteur:

Mr. Nishantha Welikala

Coordinators: Mr. Dhammika B. Kasturiarachchi, Ms. Amali Somarathne

Compeering: Mr. Sameera Anurada

Assistant: Mr. Anushka Liyadeniya

MARCH

24

10:30 - 10:35

**Introduction of Chair & Co- Chair**

10:35 - 10:45

**Author : Prof. Tanvir Ahmed**

**P- 41**

Title : Functionality of Arsenic-Iron Removal Plants in Water-Challenged Rural Areas of Bangladesh

10:45 - 10:55

**Author : Mrs. W. M. T. S. Wickramasinghe**

**P- 42**

Title : Promoting Active Youth Participation in Water Safety Plan in Community Based Organizations Through Digitalization and the Clean Sri Lanka Initiative

10:55 - 11:05

**Author : Mr. F. M. Feros**

**P- 43**

Title : Improving Water Safety in Rural Community Based Water Supply Systems: Evidence from Trincomalee District, Sri Lanka

11:05 - 11:15

**Author : Ms. N. F. Samama**

**P- 44**

Title : Modified bio-sorbents for the removal of Hardness from groundwater

11:15 - 11:25

**Author : Dr. Mitra Ghasem Sharabiani**

**P- 45**

Title : Integrating Policy Coherence and water safety plan: A Conceptual Framework for Sustainable Water Governance

11:25 - 11:45

**Discussion**

11:45 - 11:50

**Awarding of certificates & Token of Appreciation**

# IWA Water Safety Conference & Exhibition 2026

## Session 10

**Sub Theme : Advancements in Sustainable Water Quality Monitoring, Smart Analytics and Reporting**



**Hall H**



**Session Chair:**

**Prof. Gamini Rajapakse**



**Session Co-chair:**

**Mr. R. R. P. N. Rathnayaka**



**Rapporteur:**

**Ms. Geethanjalee**

Coordinators : Mrs. M.M.F. Hafza, Mr. Kalpa Silva

Compeering: Ms. Isuri Manawadu

Assistant: Mr. Ravindu Heemaweera

MARCH

24

10:30 - 10:35

**Introduction of Chair & Co- Chair**

10:35 - 10:45

**Author : Ms. K. A. D. Vidanapathirana**

**P- 46**

Title : Optimization of Electrocoagulation Process Parameters for COD Removal from Selected Industrial Wastewater in Colombo, Sri Lanka

10:45 - 10:55

**Author : Dr. Alba Cabrera-Codony**

**P- 47**

Title : Competitive adsorption and mathematical modelling for micropollutant removal in drinking water treatment

10:55 - 11:05

**Author : Ms. D. L. U. Wimaladharma**

**P- 48**

Title : Development of Oyster Shell-Based Filtration Systems for the Removal of Specific Heavy Metals (Pb and Fe) from Drinking Water

11:05 - 11:15

**Author : Ms. Thashmiga Bavananthan**

**P- 49**

Title : Pre-Ozonation as an Advanced Oxidation Process for Algal Control and Water Quality Improvement

11:15 - 11:25

**Author : Ms. P. H. M. S. R. Pahathkumbura**

**P- 50**

Title : Assessment of groundwater quality status in Gal Oya river basin, Sri Lanka

11:25 - 11:45

**Discussion**

11:45 - 11:50

**Awarding of certificates & Token of Appreciation**

# IWA Water Safety Conference & Exhibition 2026

## Session 11

Sub Theme : Effectiveness of Emergency and Incident Management in Water Supply and Sanitation Systems



Hall G



Session Chair:

Ms. Bettina Rickert



Session Co-chair:

Prof. Bandunee Attapattu



Rapporteur:

Mr. T. Suthakaran

Coordinators : Mr. Prageeth Thilakarathne, Ms. Hasinithara Gunasekara

Compeering : Ms. Rukshani Jayasinghe

Assistant : Ms. Yohani Thilakarathna

MARCH

24

10:30 – 10:35

**Introduction of Chair & Co- Chair**

10:35 – 10:45

**Author : Mr. U. D. P. M. Gunasinghe**

P- 51

Title : Analysis of Deflections of Reinforced Concrete Walls of Sedimentation Tank of Ranna Water Supply Scheme

10:45 – 10:55

**Author : Ms. Saimeera Rajagopal**

P- 52

Title : Source-Specific Efficiency of Pre-Ozonation and Pre-Chlorination in Turbidity Control in Surface and Groundwater samples in Northern Sri Lanka

10:55 – 11:05

**Author : Mrs. A. A. S. G. Wijesundara**

P- 53

Title : Household Water Vulnerability and Equity Across Diverse Accessibility Contexts in Sri Lanka

11:05 – 11:15

**Author : Ms. E. A. N. N. Edirisinghe**

P- 54

Title : Flood hazard potential mapping using GIS in Southern Province, Sri Lanka

11:15 – 11:25

**Author : Mr. J. A. Kelum Ananda**

P- 55

Title : Seasonal Effects of Rainfall on Nitrogen Removal, Sludge Yield and Energy Consumption in an Oxidation Ditch System: Kandy City WWTP, Sri Lanka

11:25 – 11:45

**Discussion**

11:45 – 11:50

**Awarding of certificates & Token of Appreciation**

# IWA Water Safety Conference & Exhibition 2026

## Session 12

Sub Theme : Innovations and Technological Advancements in Water Reclamation and Sustainable Reuse Practices



Hall E



Session Chair:

Prof. E. P. N. Udayakumara



Session Co-chair:

Mr. Dhanesh Guathilaka



Rapporteur:

Ms. D. G. N. Kumari

Coordinators : Mr. P. M. Jayarathna, Mrs. L. L. Anuradha

Compeering : Mr. Harsha Abeykoon

Assistant : Mr. Lahiru Madushanka

MARCH

24

10:30 - 10:35

**Introduction of Chair & Co- Chair**

10:35 - 10:45

**Author : Dr. Rashmi Koju**

**P- 56**

Title : Integration of novel suspended bio-s0 filters for high-performance and short-process Sulphur autotrophic denitrification from low-wastewater C/N

10:45 - 10:55

**Author : Ms. Farah Naznin**

**P- 57**

Title : Institution-Led Integrated Water Supply Model for Climate-Stressed Regions of Bangladesh

10:55 - 11:05

**Author : Ms. K. Karthika**

**P- 58**

Title : Adsorption & Kinetic Studies of Clay- Biochar Composite in treating Laboratory Wastewater

11:05 - 11:15

**Author : Mr. K. A. K. Pathirana**

**P- 59**

Title : Evaluation of Hydrogen sulphide Removal Efficiency of Sponge and Coconut Husk in a Biofilter when Treating Hydrogen sulphide Generated from Sewage Treatment Plant

11:15 - 11:25

**Author : Mrs. H. M. C. P. Herath**

**P- 60**

Title : Acceptance and Demand of Non - Domestic Customers towards Treated Wastewater Reuse

11:25 - 11:45

**Discussion**

11:45 - 11:50

**Awarding of certificates & Token of Appreciation**

# IWA Water Safety Conference & Exhibition 2026

## Session 13

Sub Theme : Climate Resilient Water Supply System



**Auditorium**



**Session Chair:**

**Prof. Thammarat Koottatep**



**Session Co-chair:**

**Dr. Manjula Wijesinghe**



**Rapporteur:**

**Mr. G. K. Nimalsiri**

Coordinators : Mr. Dhammika B. Kasturiarachchi, Ms. Amali Somarathne

Compeering : Mr. Sameera Anurada

Assistant : Mr. Anushka Liyandeniya

MARCH

24

13:00 – 13:05

**Introduction of Chair & Co- Chair**

13:05 – 13:15

**Author : Mr. T. M. D. P. Thennakoon**

**P- 61**

Title : Assessing the Sustainability of CBO Managed Rural Water Supply Systems in the Context of Climate Change in Sri Lanka

13:15 – 13:25

**Author : Mr. A.M.Indrajith Udaya Kumara**

**P- 62**

Title : Impact of the Managed Aquifer Recharge (MAR) through Roof Harvested Rainwater Systems in the Dry Zone of Sri Lanka: A Case Study at Ekiriyankumbura, Rideemaliyadda

13:25 – 13:35

**Author : Dr. Alba Cabrera-Codony**

**P- 63**

Title : Real-Time Monitoring and Fuzzy Control for Adaptive Water Treatment under Variable NOM and DBP Risk

13:35 – 13:45

**Author : Ms. T. L. Gamage**

**P- 64**

Title : From Policy to Practice: Aquatic Invasive Plants and Climate-Resilient Water Systems in Sri Lanka

13:45 – 13:55

**Author : Mr. C. P. J. Arachchige**

**P- 65**

Title : Climate Mitigation through Energy Management in Water Supply- Net Zero Transition at Ambathale Water Treatment Plant

13:55 – 14:15

**Discussion**

14:15 – 14:20

**Awarding of certificates & Token of Appreciation**

# IWA Water Safety Conference & Exhibition 2026

## Session 14

Sub Theme : Outcome Based Innovations in Water Supply and Sanitation Systems



Hall H



**Session Chair:**  
Prof. Assela Pathirana



**Session Co-chair:**  
Mr. Chaminda Jayawardhana



**Rapporteur:**  
Ms. Anparasi Sivabalan

Coordinators : Mrs. M.M.F. Hafza, Mr. Kalpa Silva

Compeering : Ms. Isuri Manawadu

Assistant : Mr. Ravindu Heemaweera

MARCH

24

13:00 – 13:05

**Introduction of Chair & Co- Chair**

13:05 – 13:15

**Author : Mr. M. Mayuran**

**P- 66**

Title : Engineering the Cognitive Orientation for NRW Reduction: Integrating Technical and Behavioural Frameworks – Murunkan Case Study

13:15 – 13:25

**Author : Dr. Sridhar Pilli**

**P- 67**

Title : Optimization of Vermifiltration Process for Dairy Effluent Treatment Using Earthworms

13:25 – 13:35

**Author : Prof. P. Venkateswara Rao**

**P- 68**

Title : Outcome-Based Optimization of Electrocoagulation-Flotation for Sustainable Sewage Wastewater Reclamation and Reuse

13:35 – 13:45

**Author : Mr. Alauddin Ahmed**

**P- 69**

Title : Evaluating the effect of CWIS adaptation on National Regulatory Guidelines for Sanitation: Insights from Six Cities

13:45 – 13:55

**Author : Mrs. A. G. Odeesha Kumari**

**P- 70**

Title : Outcome-Driven Water Quality Assessment for Sustainable Management in the Aththanagalu Oya and Maha Oya River Basins

13:55 – 14:15

**Discussion**

14:15 – 14:20

**Awarding of certificates & Token of Appreciation**

# IWA Water Safety Conference & Exhibition 2026

## Session 15

Sub Theme : Impact on Emerging Contaminants in Drinking and Reclaimed Water on Public Health



Hall G



Session Chair:

Prof. Tanvir Ahmed



Session Co-chair:

Dr. Nandika Miguntenna



Rapporteur:

Mr. S. M. S. Bandara

Coordinators : Mr. Prageeth Thilakarathne, Ms. Hasinithara Gunasekara

Compeering : Ms. Rukshani Jayasinghe

Assistant : Ms. Yohani Thilakarathna

MARCH

24

13:00 - 13:05

**Introduction of Chair & Co- Chair**

13:05 - 13:15

**Author : Ms. M. A. Kushani Madhumekala**

P- 71

Title : Nitrate reduction in wastewater by [B]-Linda Type A-stabilized nanozero-valent iron: Effect of Initial pH

13:15 - 13:25

**Author : Dr. Prasanna Egodawatta**

P- 72

Title : Distribution of per and poly fluoroalkyl substances (PFAS) in urban waterways

13:25 - 13:35

**Author : Dr. Theekshana Malalagama**

P- 73

Title : Point-of-Use Electrodialysis as a Scalable Solution for Tackling Groundwater Quality Challenges in CKDu-Affected Areas, Sri Lanka

13:35 - 13:45

**Author : Mr. Janindu Chandrasekara**

P- 74

Title : Computational Investigation of Dopant Location Effects on Band Gap Reduction in Nitrogen-Doped TiO<sub>2</sub> Anatase for Enhanced Photocatalytic Water Reclamation.

13:45 - 13:55

**Author : Prof. J. R. Pettersson**

P- 75

Title : Health Risk Assessment on Climate Change Effects in Drinking Water Supply Systems

13:55 - 14:15

**Discussion**

14:15 - 14:20

**Awarding of certificates & Token of Appreciation**

# IWA Water Safety Conference & Exhibition 2026

## Session 16

Sub Theme : Water Safety Plan Implementation



Hall E



Session Chair:

Mr. Asoka Jayarathne



Session Co-chair:

Ms. Senani Jayasinghe



Rapporteur:

Mr. Sugath Piyasena

Coordinators : Mr. P. M. Jayarathna, Mrs. L. L. Anuradha

Compeering : Mr. Harsha Abeykoon

Assistant : Mr. Lahiru Madushanka

MARCH

24

13:00 – 13:05

**Introduction of Chair & Co- Chair**

13:05 – 13:15

**Author : Ms. D. M. W. C. Dissanayake**

**P- 76**

Title : Integrating Preventive Oriented Control Measures into Climate Resilient Rural Water Safety Planning in Sri Lanka

13:15 – 13:25

**Author : Mr. TSOI Tik-Hung Dick**

**P- 77**

Title : Governance Success of the Risk-based Co-management of the Transboundary Dongjiang Water Supply from Guangdong to Hong Kong

13:25 – 13:35

**Author : Mr. Rafael Chasles**

**P- 78**

Title : São Paulo, Brazil Drought Plan

13:35 – 13:45

**Author : Dr. Christopher Kanyesigye**

**P- 79**

Title : Evaluation of Water Safety Plan Outcomes and Impacts in Bushenyi-Ishaka Municipality, Uganda

13:45 – 13:55

**Author : Ms. A. D. D. S. D.Weeraratne**

**P- 80**

Title : Implementing Water Safety Plans under Climate Change: case study in Badulla, Sri Lanka

13:55 – 14:15

**Discussion**

14:15 – 14:20

**Awarding of certificates & Token of Appreciation**