

**IWA-ASPIRE 2019**  
**31 October - 2 November 2019**  
**List of Poster Presentation (by sub-theme, as of 25 October, 2019)**

**Water Supply Management**

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32	Mr Yosuke Nishida	Japan	Investigation for Applicability of Membrane Filtration Technology to Surface Water Containing Many Fouling Substances ( II )
35	Mr Junya Ito	Japan	Project for earthquake resistance of water trunk lines and important pipelines during times of disaster in Sapporo
39		Hong Kong	Exploring Data Transmission with LoRa for Water Intelligent Network (WIN)
48	Ir CHIN HUNG LAU	Hong Kong	The Development of General Acceptance System for the Control of Plumbing Material in Hong Kong
66	Ms Hou Pei-Ling	Taiwan	Management strategy of sodium hypochlorite as a water treatment disinfectant
69	Mr Alex BOGOMAZ	Macao	Artificial Intelligence New Vision for MW Customer Service
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105	Mr YU-TAI HUANG	Taiwan	The Research of AMR System Applied to DMA Management in Taipei Area
112	Mr Keitaro Mukaimoto	Japan	New Public Relations for the Senior Generation: Initiatives to Improve Crisis Management Awareness through Visiting Lectures on Waterworks
115	Dr Nelson Lok Shun Lai	Hong Kong	Assessment of perfluoroalkyl substances and organophosphate flame retardants in drinking water of Hong Kong
120	Dr Pengzhe SUI	Japan	Accumulation of Silica and its Effect on the Performance Decline of Anion Exchange Resin for Pure Water Production
122	Mr Peng-tao Zhu	China	The Nitrification Efficiency and Bacterial Distribution of Slow Sand Filter Used for Micro-polluted Source Water Treatment under Low Temperature
127	Mr Taro Watanabe	Japan	Consideration of the use of Granular Activated Carbon Treatment in Renewed Water Purification Plant
135	Prof Lingsong ZHANG	China	Aquatic Ecological Risk assessment based on Species Sensitivities to copper, zinc and nickel in Surface Water of the Songhua River, China
144	Dr Ka Yee Alice Ho	Hong Kong	Development and Applications of Ultrafine Bubble Technology in Hong Kong
152	Miss Qiong Wu	China	Anti-corrosion and Anti-biofouling Coating in Water Distribution System
161	Ir Daniel Chin Ho Yeung	Hong Kong	Control Measures prior to Commissioning of Newly Installed Plumbing System for Supplying Potable Water
168	Dr Yunshu Zhang	China	Analysis of Functional Genomes from Metagenomes: Revealing the Relationship Between Organic Metabolism and Extracellular Electron Transfer in Bioelectrochemical System
169	Mr Ho-sing YEUNG	Hong Kong	Transformation of Plumber Regulation in Hong Kong - From Individual to Corporate Entity to Further Safeguard Drinking Water Safety
170	Mr Katsuyuki Sasaki	Japan	Operational Issues and Countermeasures on MF and UF Membrane Facilities for Water Supply
175	Mr Mitsutoshi Yano Mr Takahiro Hmada	Japan	Activities to Reduce the Non-Revenue Water in the Republic of Fiji
201	Mr Lu Ching-Yuan	Taiwan	Smart Water Management for Users by AMR
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250	Ir Frankie MA	Hong Kong	Development of Hydraulic Models to Facilitate Operations of Salt Water Supply and Distribution Systems
254	Ms Sun-A An	South Korea	Recovery of ceramic membrane contaminated with manganese and humic acid by steam cleaning with low concentration of chemicals
272	Ms Simin LUO	China	Optimal Coagulant Dose Modelling and Application in a DWTP in Chongqing, China
294	Dr Yaohui Bai	China	Impacts of micropollutants on single bacterial strain and bacterial community
296	Dr Yingnan Han	China	Chlorination, chloramination and ozonation of carbamazepine enhance cytotoxicity and genotoxicity: Multi-endpoint evaluation and identification of its genotoxic transformation products
310	Mr Yu-Cheng Yu	Taiwan	Discussion on the Control Strategy of Residual Aluminum Concentration at Water Treatment Plant and Case Study in Taiwan Water Corporation (TWC)
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339	Dr Yi-Ting Chiu	Taiwan	Effect of a natural cyanobactericide, $\beta$ -cyclocitral, on the cell lysis and growth inhibition of cyanobacteria and release their metabolites
341	Mr Thomas Luk	Hong Kong	The Importance of Structural and Business Process Reviews in Safeguarding Water Resilience: a Case in Water Supplies Department
342	Prof Tsair-Fuh Lin	Taiwan	Oxidation Treatment of Cyanobacteria, Cyanotoxins and Taste and Odor Compounds in Drinking Water Systems: Model Development and Validations
345	Dr MY Lam	Hong Kong	Field testing of hydraulic transients in a water distribution network in Hong Kong
379	Ms Michelle Shun	Hong Kong	Relocation of Water Supply Facilities in Tsuen Wan to Rock Caverns
390	Mr Lei Zhu	Hong Kong	DNP3-Lite Cloud Platform for SCADA System
409	Dr Hoi Hoi Cheung	Hong Kong	Design and Construction of Removable Thrust Blocks with Use of 3D Printing Technology
416	Mr Koki Hashiba	Japan	Degradation of Polyamide Reverse Osmosis Membrane by Hypochlorite Under Existence of Metal Ions
432	Mr Akira Murakami	Japan	Possibility of aquaculture with low water replacement rate
438	Prof SIU WING WONG	China	Inside Drainage Stack and Branch
443	Prof Nakajima Fumiyuki	Japan	Evaluation of Dietborne Toxicity of Hydrophobic Organic Chemicals to a Benthic Crustacean, Heterocypris incongruens
451	Dr. Kent WU	Hong Kong	Data Analysis on Electromagnetic Flowmeter Readings with Machine Learning
456	Prof Siu Wing Eric WONG	China	Big Data Application in Water Services
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472	Mr Alex Guo	Hong Kong	Monitoring of Algal Bloom Dynamics using High-frequency Real-time Measurement System
477	Dr Sarah Bull	United Kingdom	Review of Potential Emerging Contaminants
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526	Ir Justin W. Searle	Hong Kong	Maintenance Of WSD Historical Structures - Tai Tam Group Of Reservoirs
540	Dr Atheesha Singh	South Africa	Flow Cytometry: A Rapid Tool for Monitoring WaSH
545	Dr Ren-ren Wu	China	Validation of Pig-Associated Quantitative PCR Assays for Microbial Source Tracking across North and South in China
549	Prof Baoyou Shi	China	Field Study on the Occurrence and Transformation Behaviors of Disinfection Byproducts in Drinking Water Distribution Systems
556		Hong Kong	Relocation of Diamond Hill Service Reservoirs to Caverns Brings Review Opportunity of Water Supply System
568	Dr Sirius Pui-Kam Tse	Hong Kong	Feasibility study on the use of a movable high-capacity high-throughput algal cells harvesting system to protect against harmful algal blooms
585	Mr Makoto Okura	China	Eliminating The Transportation Of Chlorine For Use In Water Disinfection Improves Community Safety
587	Mr Motoaki Suzuki	Japan	Occurrence and Persistence of Fecal Indicators Bacteria and Bacteriophages in Tokyo Coastal Area after Rainfall Events
588	Dr Tingting Gong	China	Formation of iodinated trihalomethanes and haloacetic acids from aromatic iodinated disinfection byproducts during chloramination
595	Mr. Bin-Shuei Lin	Taiwan	Sedimentation and its Remedies : the Strategies of Nanhua Reservoir
599	Ir Ming Kwong Wong	Hong Kong	Challenges and Opportunities of Automatic Meter Reading for Water in Hong Kong
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638	Dr Hye-Suk Yi	South Korea	Harmful Algal Blooms Prediction By Extreme Learning Machine in the Nakdong River, Korea
642	Dr Suna Chong	South Korea	Modeling Summer Hypoxia Spatial Distribution and Fish Habitat Volume in Artificial Estuarine Waterway
644	Dr Suna Chong	South Korea	Evaluation of Applicability of High Resolution 3-Dimensional model for Analysis of Water quality and Algae Dynamics in a Regulated River
666	Mr Baolei Wu	China	Integrated model for source-specific health risk assessment of beach swimming from exposure to ageing fecal contamination
668	Mr. Teepagorn Chaladpanyakij	Thailand	The Reduction of Apparent Loss due to Meter Inaccuracy in MWA
713	Ms Anna Wang	China	Kinetics and mechanisms of the degradation of PPCPs by zero-valent iron (Fe <sup>0</sup> ) activated peroxydisulfate (PDS) system in groundwater
720	Dr Zihao Wu	China	Contributions of reactive chlorine species to the degradation of micropollutants by UV/chlorine in different water matrix
736	Mr Jin Seok Hyung	South Korea	A Study on the Characteristics of Water Quality and Cleaning Effect according to Water Distribution Pipe Cleaning Method
738	Mr Taehyeon Kim	South Korea	Decision Method for Renewal Priorities of Water Supply Pipes based on Risk and Economical Efficiency
742	Dr Agus Jatnika Effendi	Indonesia	Water And Sanitation Status Under Emergency Situation After Palu-Sigi-Donggala Disaster

749	Mr Wolfgang Vogl	Austria	Rapid enzymatic activity measurement as an indicator of microbiological contamination – Results after 6 years of validations and experiments in different applications
750	Dr Xi Li	China	Impact of chlorine, ozone, potassium permanganate on cyanobacteria of various physiological phase: membrane integrity and toxin fate
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## Stormwater Management

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29	Dr Season Si Chen	Hong Kong	Review on the Existing Sustainable Drainage System at Stonecutters Island Sewage Treatment Works in Hong Kong
41	Dr Daniel Tsang	Hong Kong	Biochar-Augmented Bioretention Column for Stormwater Harvesting: Co-transport of Heavy Metals and Inorganic/Organic Colloids
42	Dr Daniel Tsang	Hong Kong	Revitalization of Tsui Ping River: Design and Performance Evaluation of In-stream Rock/Gravel Filters
43	Dr Dan Tsang	Hong Kong	Enhancing Water Resilience with Blue-Green Infrastructure: A Pilot-scale Study on Bioretention Systems in New Development Areas in Hong Kong
70	Ir Stanley C. W. Chan	Hong Kong	A New Chapter of Our River Channel - River Revitalisation
129	Mr Po-Wen Su	Taiwan	Assessment of Pond Water Quality Changes using Landsat Imagery in Taoyuan, Taiwan
134	Mr Jungsub Shin	South Korea	Analysis of the effect of urban flooding prevention projects in small and medium cities using XP-SWMM
188	Dr Ryan Ho Leung Tsang	Hong Kong	How can river revitalization restore stream biodiversity? A case study in Lower Lam Tsuen River
290	Mr Kenneth Kwok	Hong Kong	Building Climate Resilience with Blue-Green Solution in Tung Chung New Town Extension – River Park, River Revitalisation and Sustainable Urban Drainage System
369	Dr Ting Fong May Chui	Hong Kong	Assessing and Aggregating Multiple Hydro-environmental Benefits of Green Infrastructures using Relative Performance Evaluation Framework
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555	Mr David Stanton	Hong Kong	Wader use of an eco-engineered drainage channel in Hong Kong
598	Mr Steven Trehwella	United Kingdom	"Turned Out Nice Again", Postcard from the future
610	Prof. Dr Chris Zevenbergen	Netherlands	Developing context specific sustainability criteria for the selection of plant species in urban green infrastructure: How sustainable are the plant species used in Active, Beautiful and Clean Waters features of Singapore?
643	Dr Hye-Suk Yi	South Korea	Nonpoint Pollution Loading Forecast in the Dongbok Stream Subwatershed for the Juam Dam Watershed Management Considering Climate Change Scenario Uncertainty
703	씨 Ga-Kyun Lim	South Korea	Stationary test of Annual precipitation in Korea using Data Screening
706	Dr Yaohui LIU	China	Study of Stormwater Retention and Reuse by Extensive Green Roof System
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## Wastewater Management

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53	Mr Takashi Fujimoto	Japan	The History and Reasonable Sewage Service Charge Collection in the Bureau of Sewerage, Tokyo Metropolitan Government
55	Mr Yusuke Imai	Japan	The Effects of Poly Ferric Sulfate on Stable Sludge Incineration
62	Professor Chengzhi Hu	China	Fouling Mitigation Performance and Mechanisms in an Electrochemical Membrane Reactor (EMR)
71	Mr Wing Fung Yeung	Hong Kong	Three-dimensional Modelling of Baffle Contact Tank - A Practical Approach Balancing Accuracy and Efficiency
95	Ms Qiao Wang	China	Application of combined ozonation and bio-filter process as tertiary treatment in WWTP
96	Ms Qiao Wang	China	Lab-scale study on tertiary treatment of petrochemical industrial wastewater by catalytic ozonation
102	Dr Tracy Lu	Germany	Optimization of wastewater and sludge treatment by hard cavitation - Practical experiences with sludge disintegration based on high-power ultrasound
103	Mr Zhenao Gu	China	Microfluidic-enhanced 3-D photoanodes with free interfacial energy barrier for aqueous pollutants degradation
110	Dr Yanfei Tang	China	New insights into the regulation mechanism of organic transformation during high-solid anaerobic digestion: extracellular polymeric substances (EPS) characterization and metagenomics
111	Ms Hua Ji	China	Hard COD removal for industrial wastewater treatment: Reuse and discharge
113	Professor Jeonghwan Kim	South Korea	Organic rejection and membrane fouling using flat-tubular alumina membrane using fluidized membrane reactor with GAC for industrial wastewater treatment
121	Prof Masanobu Takashima	Japan	High-Solid Anaerobic Digestion of Sewage Sludge Incorporating Pre-digestion Ammonia Stripping of Waste Activated Sludge
125	Dr Fan Li	China	Internal electric field construction on dual oxygen group-doped carbon nitride for enhanced photodegradation of pollutants under visible light irradiation.
130	Mr Minseok Kim	South Korea	Anaerobic fluidized bed membrane bioreactor using polymeric scouring agents to control membrane fouling and organic removal efficiency
149	Mr LU JIANG	China	Process Study for Upgrading of Municipal WWTP to Quasi-Class IV Standard
155	Mr Yiqiang Chen	Hong Kong	Uncovering Virome and Virus-host Connections in Activated Sludge of Wastewater Treatment Plants
158	Dr Haotian Hao	China	Novel NaLa(CO <sub>3</sub> ) <sub>2</sub> hybridized with Fe <sub>3</sub> O <sub>4</sub> composites for efficient phosphate removal
165	Dr Junichi Yaguchi	Japan	Enumeration of Viable Escherichia coli in Wastewater and River Water Utilizing RNA-Based RT-qPCR Method
173	Mr Takahiro Yashima	Japan	A Study of Flue Blockage in a Sewage Sludge Incineration Facility
192	Ms Xiaole YIN	Hong Kong	Exploring Resistome of Microbiome in Wastewater Treatment Plants by Metagenomics: A 9-year Longitudinal Study
195	Mr Gerin James Ir Chi Wai, Alex Law	Australia	Experience from the design, installation and commission of the first large scale Municipal MBR system in Hong Kong – Shek Wuhui STP advance works Phase 1 A
197	Ms Thi-Kim-Quyen Vo	South Korea	Autotrophic denitrification with sulfur-based carriers in biofilter: Effect of biofilm thickness on nitrate removal performance

199	Ms Chunxiao WANG	Hong Kong	Optimization of the Operational Conditions for Anaerobic Co-digestion of Food Waste and Sewage Sludge
206	Prof Satoshi Soda	Japan	A laboratory experimental system for developing mine drainage treatment technology using constructed wetlands -Treatment of Cd and Zn-containing neutral mine drainage and As and Fe-containing acid mine drainage-
220	Dr Jia-Cheng E. Yang	China	Novel Magnetic Rod-Like Mn-Fe Frameworks as Fenton-like Catalysts for Effective Butyl Paraben Removal
228	Prof Bin Yang	China	Study of Powdered and Granular Activated Carbon Mitigating Membrane Fouling in the Membrane Bioreactor
248	Prof Chengyuan Su	China	Effectiveness of persulfate activated by iron-modified biochar derived from waste sludge for the treatment swine wastewater
255	Ms Soyeon Kang	South Korea	Evaluation of Denitrification Efficiency using Sulfur-carrier added PAC for treatment of RO concentrate from wastewater reuse process
262	Mr Long Ting LUK	Hong Kong	Performance of a Multifunctional Odor Control Gel for H <sub>2</sub> S Abatement in Drainage Systems
264	Dr Yi-Ju Wu	Taiwan	Population and activity evaluation of functional microorganisms of biological nitrogen removal process in full scale coke wastewater treatment plant
286	Ms Bijing CAI	China	Application of GAC+O <sub>3</sub> on Separately Treating High Salinity Petrol-chemical Industrial Wastewater
313	XIAOLEI LIU	China	Effect of excess sludge pretreatment processes on sidestream for phosphorus recovery as struvite
317	女士 HE CONGHUI	China	The effect of Flow Fluctuation upon Magnetic Coagulation in Sewage Organic Matter Pre-concentration
348	Mr Daeun Kwon	South Korea	Anaerobic Fluidized Bed Ceramic Membrane Bioreactor Using Dual Fluidized Media for Wastewater Treatment
365	Mr Ran Yin	Hong Kong	Realizing Simultaneous Removal of Hydrogen Sulfide and Phosphorus and Improving Sludge Dewaterability by Oxidant Dosing in CEPT Sludge
367	Jiahui Lv	China	Enhanced efficiency of immobilized algae on simulated wastewater treatment and biomass accumulation
375	Mr Hejie Qin	China	Effects of Sulfidation and Nitrate on the Reduction of N-Nitrosodimethylamine (NDMA) by ZeroValent Iron
384	Mr. Yung-Hsien Shao	Taiwan	HOPE Reveals Dynamics of Key Bacteria in Oxygen-limited Single-stage Autotrophic Ammonia Removal Bioreactor
386	Mr. Jiung-Wen Chen	Taiwan	Use of Multiple Machine Learning Methods to Improve Anomaly Management of Anoxic/Oxic Activated Sludge Process
394	Dr Haiping Luo	China	Simultaneous removal of sulfate and nitrobenzene in microbial electrolysis cell with autotrophic biocathode
399	Dr Shuhei Masuda	Japan	Estimation of Nitrous Oxide Production from Oxidation Ditch Reactor based on Nitrous Oxide Production Potential
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430	Ms Yuanyuan Guo	China	Development and Application of High Standard Underground WWTPs in China: Current state and future prospect
431	Mr Kosuke Muramatsu	Japan	Treatments of Colored Effluents from Methane Fermentation Plants by Photo-Fenton Process

433	Ms Hongyu Dong	China	Insight into the Critical Role of Cr(V) and SO <sub>4</sub> <sup>2-</sup> in the Oxidation of Organic Co-contaminants during Cr(VI) Reduction by Bisulfite
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446	Dr Terrence Tang	Hong Kong	Surface-Wave Time Domain Reflectometry Adopted for Condition Survey of THEES Submarine Pipeline Across Tolo Harbour
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478	Mr Yangfan Deng	Hong Kong	Coupling Autotrophic Denitrataion and Anammox for Efficient Nitrogen Removal
494	Mr Yu Luo	Hong Kong	Reactor Configuration Optimization and Performance of A Pilot-Scale Self-forming Dynamic Membrane Bioreactor (SFDMBR)
504	Mr Sen Lin	Hong Kong	Electroautotrophic Denitrification Driven by Inhibitory-level Sulfide in a Two-chamber Bioelectrochemical System
511	Miss Yingyu Li	Hong Kong	Chemically-enhanced primary sedimentation and hydrolysis of the solid organics in sludge for improved nitrogen removal in wastewater treatment
519	Prof Feng Jiang	China	New insights into the role of organics supplementation in sulfur-based autotrophic denitrification for the post-treatment of secondary effluent
520	Mr Simon M.L. Tsang	Hong Kong	Implementation of Chlorine Disinfection in the Largest Sewage Treatment Plant in Hong Kong to Safeguard Coastal Water Quality
521	Mr Simon M.L. Tsang Mr Albert W.H. Chan	Hong Kong	Odour Management Approach for the Largest Sewage Treatment Works in Hong Kong
531	Miss Lin CHEN	Hong Kong	Alternative Determination of Complex Substrates Molecular Formula and Its Generic Implementation in Modeling Anaerobic Digestion: Sulfidogenic Approach
534	Dr Kazuichi ISAKA	Japan	Long term Effect of Zn( II ) and Cu( II ) regulations on the Partial Nitritation Performance.
537	MIFUYU HARADA	Japan	An Electrocoagulation/flotation-MF Membrane Pretreatment Process for the Mitigation of RO Membrane Fouling by Dissolved Effluent Organic Matter from Municipal Wastewater Treatment Plant
544	Dr Xue Xia	Hong Kong	Fungal Fermentation for Treatment of Hydrolyzed Sludge Liquor and Recovery of Fungal Biomass
546	Mr Jean-François Mischler	Hong Kong	Enhanced Sludge Dewatering Technology for Cavern Sewage Treatment System
552	Mr Simon Tsang	Hong Kong	The Initial Stage of Operation of Harbour Area Treatment Scheme Stage 2A
560	Dr Guangjie Zhou	Hong Kong	Occurrence And Fate Of Retinoids And Oestrogenic Endocrine Disrupting Chemicals In Sewage And Sludge During Chemically Enhanced Primary Sedimentation And Acidogenic Fermentation Of Sludge
579	Ms Xufang Li	China	Industrial Wastewater Advanced Treatment via Catalytic Ozonation with an Fe-based Catalyst
580	Pro Hui Lu	China	Influence of Different Sulfur Species as Electron Donors on Autotrophic Denitrification Process
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635	Dr Tadashi Toyama	Japan	Duckweed culture as a second treatment for municipal wastewater: Capabilities of duckweed to remove organic compounds, nitrogen and coliform from wastewater, and to produce biomass
641	Dr Hitoshi OGAWA	Japan	Three Years of Paddy Rice Cultivation using Treated Water of 1000 People Living Wastewater Treatment Plant by Humus Pellet Bioreactor
660	Mr Fengyu Wang	Japan	Total antioxidant capacity of conventional activated sludge in municipal wastewater treatment plant
680	Mr Mathieu Le Noir	Vietnam	Biofilm based wastewater treatment - the smart solution for fast growing dense populated urban areas around the world
697	Dr. Jiang Wu	Japan	Comparison of single-phase and two-phase UASB treatment of low-strength starch wastewater: overall treatment performance and the physicochemical properties (PCPs) of granular sludge
700	Dr Qing ZHAO	China	Effect of intracellular accumulated poly-S on pH and bioenergy homeostasis in sulfur-associated enhanced biological phosphorus removal (SEBPR) system
701	Ms MinJung Cho	South Korea	Degradation of pharmaceutical compound by OH radical pretreatment
710	Ir Dr Yiu Wa, Anthony Ma	Hong Kong	Prototype Testing and Demonstration on Packaged Sewage Treatment System Employing our Previously Developed MBBR Carrier for Village Houses
715	Ms YeoJu Jang	South Korea	Application of innovative SeDAF (sedimentation & dissolved air flotation) process for advanced wastewater treatment
737	Mr Takanari Sasaki	Japan	FT-IR analysis of membrane foulants existing inside pore matrix in MBRs

## Greening, Energy saving, Sustainability & Total Water Management

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45	Mr Luc Lacoste	France	MBR - The Corner Stone Of Water Reuse Adoption
47	Ir Chi Chung LEUNG	Hong Kong	Energy Saving Measures for Salt Water Pumping Stations in HK Region: Adoption of Variable Speed Pumps and Trial Use of BIM and Computer Model for Trimming of Impeller for Energy Efficiency Improvement
49	Mr. Jonathan Gur	Canada	Environmentally Friendly Physical Water Treatment for Cooling Towers Saving 5-15% on OpEx (Energy, Water, Chemicals, H&S and Maintenance) with ROI Less Than 3 Years on CapEx (with Longer Life Expectancy of Equipment)
61	Ms Yoko Kamei	Japan	Saving Power for Blowers and Improvement of Water Quality by Utilizing 2-Stage Transfer of Excess Sludge
64	Mr Koichi Naito	Japan	Controlling Greenhouse Gas Emissions and Energy Usage at Sludge Incineration Facilities
128	Mr Woobin Bae	South Korea	Performance of submerged hollow-fiber membrane distillation as post-treatment of anaerobic fluidized bed membrane bioreactor in low-strength wastewater treatment
132	Mr Kiyotaka Suzuki	Japan	PR Activities for Waterworks through the Yokohama "Good Water" Knowledge Test
139	Prof Chu Fang Yang	Taiwan	Feasibility of lipid production using waste sludge hydrolysate by oleaginous yeast
146	Mr. Hironori Okazaki	Japan	Influences of nutrient concentration increase in treated effluent on cellular components in indigenous microalgal consortia
159	Dr Hong Suck Kim	South Korea	Removal of dissolved organic carbon and micropollutants by eco-friendly water treatment technologies
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291	Professor Kin-Man Ho	Hong Kong	Greener and Smarter Anaerobic Sludge Digestion with Secondary Sludge Pretreatment Using Free Nitrous Acid Through Full-Scale Trial
292	Dr JI CHEN	Hong Kong	Study on Impacts of Climate Change on the Water Resources of Hong Kong
311	Prof Mengshan Lee	Taiwan	Impact Assessment of Industrial Consumptive and Degradative Water Use
340	Ms man ki fion chan	Hong Kong	A New Dimension of Public Education to Lead in the Community to Contribute in the Development of Water Resilience Together with the Government
420	Ms Hang Thai Le	Japan	Enhancement of lipid productivity of Chlamydomonas reinhardtii by double salts, NaCl and CaCl <sub>2</sub> , stress treatment
458	Dr Chan Ka Chung	Hong Kong	Feasible Approaches to Reduce Energy Consumption in Sha Tin Cavern Sewage Treatment Works
462	Dr Wai Kwok Aaron Tong	Hong Kong	Smart Condition Monitoring with Machine Learning Tools to achieve Operational Excellence in Water Pump System
471	Ir Qijun Wang	Hong Kong	Baseline Ecological Study of Irrigation Reservoirs in Hong Kong
481	Mr Amit Kumar Maharjan	Japan	Ammonium-Nitrogen Removal from Contaminated Groundwater by Dropping Nitrification Reactor
487	Ms Fong Kwan Poon	Hong Kong	Cultivating Water Conservation Culture Through Education

488	Mr Wan Yin Chow	Hong Kong	Water Public Education Centre (H2OPE Centre)
491	Mr CHAN Kwok-fai	Hong Kong	Enhancing Sustainable Water Resources through Water Recycling Scheme
499	Dr Jaena Ryu	South Korea	Sustainability Assessment of Water Infrastructure and Services: the Korean Case Study
564	Dr Junxian Chen	China	Research on Water Supply Security Strategies in the Guangdong-Hong Kong-Macao Greater Bay Area
565	Ir Liang Huang	China	东江流域水资源管理与保护的实践及思考 Practice and Consideration of Water Resources Management and Protection in Dongjiang River Basin
632	Ms Zichen Liu	China	Highly Effective Water To Energy Nanosized Electrocatalyst NiFeP Derived From Green Organic Complex
648	Mr CHENG HUI LOW	Taiwan	A Cost-Effective Graphene Sponge as Removal of Oils, Dyes, and Organic Compound from Water and Air
650	Mr Yasutaka Yoneda	Japan	Sustainability evaluation of water resources based on the future prediction of water supply and demand balance focused on climate change and regional distribution
655	Dr Yahya Mahzoun	Japan	Heating value analysis of different particles in wastewater and the effect of suspended solids removal of primary sedimentation tank on energy recovery
686	Prof Aijie Wang	China	A big data-driven WWTP serving a smart eco-society towards next decades
725		Hong Kong	The Potential of Waterworks Sludge for Greening Applications
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