

Singapore International Water Week 2009

Water Convention Poster Listing (alphabetical order)

A Biofilm Biological Nutrient Removal System for Nitrogen and Organics Control Used Successfully In Jiashan City, China

Jeffrey J Chen, and Nadia Abboud (USA)

A Global Approach To Control Odour Issues

Elena Senante, Tianlun Li, Samuel Martin and Pascal Dauthuille (France)

A Pilot Biotic Index For Reservoir Water Quality Assessment

Esther Clews, E-Wen Low, Lynette Loke, Christina Belle, Peter Todd, Hans Eikaas and Peter Ng (Singapore)

A Quick Scan Method For Rapid Antiscalant Selection For Reverse Osmosis Filtration Of Aerobic Groundwater

Bas Rietman and Janneke Duiven (The Netherlands)

ABC Waters Design Features - Enhanced Rain Garden at Balam Estate

Geok Suat Ong, J H Chong and R S Ker (Singapore)

Delivering Water Infrastructure Using Public-Private Partnerships (PPP)

Cavan Tan and Sharad Somani (Singapore)

Adsorption Of Zn From Aqueous Solution By Activated Carbon Derived From Empty Fruit Bunches: Statistical Approach

Md Zahangir Alam, Suleyman A Muyibi and Noraini Kamaldin (Malaysia)

Advanced Oxidation for the Removal of Organic Contaminants in Industrial Waters

Richard Woodling, Karthik Sathrugnan and Bruce Coulter (Singapore)

Altered Molecular And Metabolite Profiles In Developing Zebrafish Larvae Exposed To Endocrine Disruptor Bisphenol A (BPA)

Siew Hong Lam, Zhenghua Duan, Eng Shi Ong, Sinnakaruppan Mathavan, Zhu Lin, Edison T Liu, Choon Nam Ong and Zhiyuan Gong (Singapore)

An Investigation of Tube Flocculation for Application in Small-Scale Water Treatment Plants

Ali Hadi Ghawi and Jozef Kris (Iraq)

An Investigative Study Into The Water Purification Characteristics Of Moringa Oleifera As A Supplement To Media Base Water Filtration Techniques

Kon Kwok Leong (Singapore)

Application of Positive Chemical Ionization GC-MS for the Determination of N-Nitrosodimethylamine in Water at Part per Trillion Level

Ruikang Hu, Lifeng Zhang and Zhaoguang Yang (Singapore)

Application of Water Security Tools in an Operating Network

Sean McKenna, Chit Pin Teo, Tony Soh, David B Hart, Eric Vugrin, Carl D Laird, Ming Sheng, Cheng Sheun Lee, Bart van Bloemen Waanders, William E Hart, Chee Leong Lim and Mong Hoo Lim (Singapore)

Applications of Computational Modelling in the Design and Optimisation of Water Infrastructure

Melvin Leong and Stephen L Murray (UK)

Aquifer Recharge With Reclaimed Water In The Llobregat Delta. Laboratory Batch Experiments And Field Test Site

J. Tobella, M. Barbieri, C. Valhondo, J. Carrera, E. Queralt, X. Sánchez-Vila, E. Vázquez, D. Barceló, M. López de Alda, Carlos Ayora, Jordi Cama and Marianne Köck (Spain)

Assessing Water Economics , Impacts And Cost Benefit Analysis For Management And Development Of Water Infrastructures, By Philippe Wind (France)

Philippe Wind (Indonesia)

Assessment Of The Odour Footprint Of An Underground WWTP In Barcelona (Spain)

J. Cortina, L. Bouchy and M. Gullon (Spain)

Back-Analysis Of Parameters For Numerical Models On Surface Water And Groundwater Interaction

Kaoxue Liu (Singapore)

Benchmarking Sustainability Practices of Global Water Utilities

Les Lampe (USA)

Building Enterprise GIS systems for Water Utilities

Michael Samuel (USA)

Carbon, Nitrogen, Phosphorus and TDS Removals of Industrial Wastewater with an Integrated UASB, Activated Sludge-Membrane and RO Process in Singapore

Cao Yeshi (Singapore)

Climate Change: Impacts and Challenges in Victorian North Central Region of Australia

Dhama Dharmabalan (Australia)

Combination Of FeGAC/H₂O₂ And Biofiltration For The Treatment Of Mature Landfill Leachate

Ronnakorn Wongsansuk (Taiwan)

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- Continuous Imaging Fluid Particle Analyzer For The Detection, Identification, And Enumeration Of Taste & Odor Causing Algae And Cyanobacteria
Harry Nelson, Christian k Sieracki and Kent A Peterson (USA)
- Cultivation Of Non - Agricultural Plants Using Water Treatment Plant Sludge Waste As Media Of Growth
Wulan Purbowati and Ina Mardiana (Indonesia)
- Decolourization And Biodegradation Of Anthraquinone Vat Blue 4 And Vat Green 1 By Bacillus Subtilis And Psuedomonas Aeruginosa Immobilized In Alginate Beads
Rajee Olaganathan and Jamila Patterson (India)
- Delivering A Water Mine In A Tourist Mecca: The Gold Coast Desalination Plant
Alan Davie, Pat Nixon and Alex Paton (Australia)
- Delivering Water Infrastructure Using Public-Private Partnerships (PPP)
Cavan Tan and Sharad Somani (Singapore)
- Demonstration of Nitrate Shunt Efficiency in Full-Scale SBR Treating Digester Centrate
Samuel Martin Ruel, Tianlun Li and Pascal Dauthuille (France)
- Designing to Reduce Power Consumption In Membrane Bioreactors
John Robert Messenger, Graeme R Lewis and Simon Page (Australia)
- Developing Microbiological Resistant Elastomeric Gasket Material for Reverse Osmosis Piping Systems
Catsy Y Lam and Mark J Sewell (USA)
- Disseminating the European Educational Offer in Environmental and Water Resources Engineering: The E4DCs Project
Andrea G Capodaglio, Ramon Vilanova and Joseph Vehi (Italy)
- Drinking Water Treatment of Impaired Water Quality Sources: Present, Practice, Future Trends and Opportunities
Gary Amy and Zaid Chowdhury (The Netherlands)
- Effect of Recycling and pH Control on Autohydrogenotrophic Treatment of Nitrate Contaminating Water Employing a Novel Upflow Bio-Electrochemical Reactor (UBER)
Shahin Ghafari, Masitah Hasan and Mohamed Kheireddine Aroua (Malaysia)
- Effects of Floating Wetlands on Water Quality in Lower Seletar Reservoir, Singapore
Zhiwei Neo, Carsten Hutteche and Jiangyong Hu (Singapore)
- Engineered Solution - Water Treatment Plant Process Automation
Salbiah Siraj (Singapore)
- Engineering Aspects of Storm Water Harvesting - Planning, Design and Operation of Storm Water Harvesting Schemes in Melbourne, Australia
Iouri Vaisman (Australia)
- Environmental Sustainability through the Use of Nalco 3D TRASAR® Technology for Cooling Water Systems
Luis A. Cuetos (Singapore)
- Extension Of Trickling Filters Treatment Plant By Use Of Anaerobic-Anoxic SBR As An Alternative For Removal Of Non-Efficient Systems
Beata T Sosnowska and Ryszard W Szetela (Romania)
- Feasibility Of Short-Cut Simultaneous Desulfurization And Denitrification Process System
Aijie Wang, Chunshuang Liu, Nanqi Ren and Jianpei Bi (China)
- Field Testing of Electro-dewatering Technology on Anaerobic Sludge
Sunand Sreeramachandran and Keith Hamilton (Singapore)
- Filtration Performance Evaluation of Pressurized and Submerged Membrane Modules that Employ Hollow Fiber
Takashi Ogawa (Japan)
- Fouling Mechanisms of Nanofiltration of Sodium Alginate, Calcium, Alum and Their Combinations: Blocking Filtration Laws and Membrane Fouling Index
Karina Listiarini, Chun Wei, Darren D Sun and James O Leckiev (Singapore)
- Fundamental Study On The Quality Assurance Of Renewed Pipe By Impact Elastic Wave Method
Han Chiang Lee, Masanori Asano, Makoto Nando, and Takashi Yamasaki (Singapore)
- Harbour Area Treatment Scheme Stage 2A (HATS 2A) - Upgrading of the Stonecutter Island Sewage Treatment Works and the Preliminary Treatment Works (PTW) in Hong Kong
Lewis Hwoi (Hong Kong)
- Highlights On Some Emerging Byproducts In Water Treatment
Zdravka Do Quang, A. Bruchet, D. Khiari and M. Suffet (France)
- Highly Differentiation of Cyanobacterial Communities in Reservoir by rRNA-ITS DGGE and T-RFLP
Gao Pingping (Singapore)

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Holistic Site Water Balance

Mathew Bamm, Manish Dalia and Kirstin Weeks (USA)

Improving Sustainability with Effective Water Resource Management

M.A. Tan, J.L. Liu and C.G. Tan (Singapore)

Innovative Hydrodynamic Clarification for Water Treatment

Meng H Lean, Ashutosh Kole, Jeonggi Seo, Armin R Volkel, Norine E Chang, Ben H Hsieh and Kai Melde (USA)

Interaction Of Chlorine Concentration And Shear Stress On Biofilm Formation In The Pipeline Surfaces For Delivering Groundwater Containing Higher Fe/Mn Oxides

Yung-Pin Tsai (Taiwan)

Investment in the Water Infrastructure in the Sultanate of Oman

Al Sulaimani Zaher (Oman)

Low Pressure Ultraviolet Treatment of Algae Enriched Reservoir Water

R.J. Xie (Singapore)

MALDI Mass Spectrometry Analysis Of Bacteria In Water Following Functionalized Nanomaterials-Based Separation

Shuping Li, Ying Liu, Zhongxian Guo and Zhaoguang Yang (Singapore)

Managing Water Infrastructure - An Overview

Coimbatore Vedavyasan (India)

Masdar City's Sustainability Management System: Integrating Sustainability Requirements into Daily City Planning, Construction, and Operations

Nawal Al-Hosany, Christopher Drew, Avinash S Patwardhan and Guangxi Wu (USA)

Membranes Coupled with Physico Chemical Treatment in Water Reuse: New Hybrid Systems Development

Saravanamuthu Vigneswaran, Rong Zhang and Jaya Kandasamy (Australia)

Microbial Risk Assessment of Drinking Water using Matrix-Assisted Laser Desorption/Ionization-Mass Spectrometry (MALDI-MS)

Maura J Donohue, Jatin Mistry and Stacy Phaller (USA)

Modification of Lime Milk Distribution System to Improve pH-Adjustment Process in a Drinking Water Treatment Plant

Lidia Khosmatika (Indonesia)

More Sustainable Wastewater Treatments Through Innovative Thermal Sludge Management

Jean Marc Audic, Matthieu Large, Laurent Monnot, Carlos Peregrina and Pascal Dauthuille (France)

Moving with the Times - Building a Laboratory to Meet the Future Needs of the Water Industry

Karen L Simpson, M.Infra.Man and John R Howard (Australia)

New Approach On Water Hardness Management Via Langelier Saturation Index (LSI) Based Monitoring, Control And Regulating

Khiam Peng Eng, Chee Yong Chua, Gek Tan (Singapore)

Next Generation Technology for Water Management and Treatment in the Oil and Gas Industry

Michael howdeshell, Thomas Ooi and Cary Turangan (USA)

Nitrification - Investigating Biological Treatment For Ammonia In Challenging Source Waters Under Various Treatment Process Schemes And Media Configurations

Rohan Wikramanayake, Gerard Baker, Paul Gallagher and Ruediger Knauf (USA)

Novel Intermittent Backwash Cleaning Technique via Direct Osmosis for Reverse Osmosis Fouling Control

Jianjun Qin, Maung H Oo, Kiran A Kekre and Boris Liberman (Singapore)

Operational Experience In Treating High Phenol Concentration Wastewater By Anaerobic And Aerobic Processes

Guanghai He, Meng Poh Ng, Jianlin Liu, Wee Kian Teo and Yanpeng Zhang (Singapore)

Optimization of Process Conditions for Decolorization of Methylene Blue from Aqueous Solution by Purified Lignin Peroxidase Enzyme

Md Zahangir Alam, Mohd Ismail Abd. Karim and Fathimah Hudha (Malaysia)

Performance Comparison On Water Quality And Energy Consumption Between Membrane And Ozonation Process Trains At Choa Chu Kang Waterworks

Mong Hoo Lim, Kim Shin Lim, Ngin See Lim, Poh Soo Chia and King Nyau Tiew (Singapore)

Pilot Study Of A RO Brine Treatment Process Based On Capacitive Deionization

Winson Chee Loong Lay, Guihe Tao, Bala Viswanath, Kiran Kekre, Lai Yoke Lee, How Yong Ng, Say Leong Ong and Harry Seah (Singapore)

Pilot Scale Evaluation Of The Performance Of A Novel Post-Treatment Method For Desalinated Water

Liat Birnhack, Roni Penn and Ori Lahav (Israel)

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- Planning for Sustainable Water Solutions – Towards A Full Integration of All Stakeholders to the I.W.R.M. in Sri Lanka
Sirisena Meeegasmullage (Sri Lanka)
- Potential Managed Aquifer Recharge of Treated Wastewater in Oman
Mohamed Salim Alhakawati, Sanmugam A Prathapar, Mushtaque Ahmed and Omar K Al Wahaibi (Oman)
- Potentially Toxin-Producing Cyanobacteria In Tropical Freshwaters
Caiping Feng, Pingping Gao, Yuk Chun Chiam-Tai , Yueat Tin Wong, Chee Ming Pang and Lei Yu (Singapore)
- Pressure Management Experience in Kowloon Region of Hong Kong Water Supplies Department
Ricky CH Liu and Kwan Lam (Hong Kong)
- Pros and Cons of Water Privatisation in the Kingdom of Bahrain
Ahmed Hashim Hashim (Bahrain)
- Protecting the Great Barrier Reef starts with Cleaner Seas
Graeme Lewis and Alex Paton (Australia)
- Real Time Integrity Monitoring Method for Low Pressure Membrane Systems
Zhiyi Cao, Fufang Zha and Thai Law (Australia)
- Recent Developments In Low Pressure Membrane Filtration For Seawater Ro Desalination Pre-Treatment
Rhett Butler, Huw Lazaredes, Bruce Bilotft (Australia)
- Redoxan: A Novel Technique For Improving Biogas Production And Solid Destruction In Activated Sludge Treatment
Yingyu An, Chris Dotremont, How Yong Ng and Eric Mun (Singapore)
- Removing Organically Bound Phosphorus to Below 50 ug/L from a High Color Pulp and Paper Mill Wastewater Using a 3-Stage Clarifier/Filter System
Rohan Wikramanayake, Ruediger Knauf, Paul Gallagher, John Klocker and Mark Edwards (USA)
- Residual Analysis Of Halogenated Deoxyuridines And Their Major Metabolites In Water By HPLC-ICP-MS
Kok Yong Lim, Shuping Li, Zhongxian Guo and Zhaoguang Yang (Singapore)
- Security in the Water Industry Whitepaper
Edward Klinger (UK)
- Selection of Emergent Wetland Plants for Nutrient Removal in Singapore
Michelle Sim, Hans S. Eikaas, Chan Su Hooi and James Gan (Singapore)
- Sewage Biogas Treatment: Relevant Options Based On The Biogas End-Use
Jose-Luis Cortina, L. Bouchy, J.L. Cortina, E. Larrotcha, N. de Arespacochoaga, M. Sanchez and C. Peregrina (Spain)
- Sewer Odour Control: Assessment Of Available Options And Challenges
L. Bouchy, J. Cortina, E. Senante, M. Martau, A. Llopart and J. Feliu (Spain)
- Simulating Floods and Flood Risk in Three-Dimensions using Remotely-Sensed and Hydraulic Model Data
David Hetherington (UK)
- Singapore's Jurong WRP Membrane Bioreactor Facility - Industrial and Retrofit Challenges
Cindy Wallis-Lage, Scott Levesque, Xian Yong Tian, Wah Yuen Long and Siew Wah Ng (USA)
- Size Distribution of Some Cultivable Microorganisms in Water
R.J. Xie (Singapore)
- Sol-gel Derived Poly(vinyl alcohol)/Silica Hybrid Membrane-Synthesis and Characterisation
Manh Hoang, Zongli Xie, Tuan Duong and Stephen Gray (Australia)
- Solution For Urban And Regional Water Resources Management Conflicts - A Hungarian Case
J.Tamás and J. Fehér (Hungary)
- Status and Countermeasures of Rural Drinking Water Safety in China
Meng Hu, Jifu Yang and Yaqiong Hu (China)
- Stormwater Best Management Practices (BMPs) Application in a Typical Northern Chinese Community with Severe Water Shortage
Ying Qiu, Jianhui Zhang, Stephane Asselin and Hector Tso (China)
- Study on the Matrix Effect to the Determination of Selected Pharmaceutical Residues in Seawater via Solid-phase Extraction and Ultraperformance Liquid Chromatography-tandem Mass Spectrometry
Lifeng Zhang, Jingming Wu, Xiaoqing Qian and Zhaoguang Yang (Singapore)
- Sustainability Drives Multi-Million Dollar Upgrade To Woodman Pt Wastewater Treatment Plant
Katie Anne Third, John S Powell, Michael Honeyman and Brace Boyden (Australia)
- Sustainable Brine Disposal: The Current State of Play
Ed Beling (Australia)
- Sustainable Management of Water Resources in Egypt: Development of a Specific Educational Programme
Andrea G Capodaglio, Elsayed Elkhatib, Jacques Ganoulis, Hans-Peter Nachtnebel (Italy)
- Sustainable Water Resources Management in Arid Environment: The Case of Arabian Gulf
Elnazir Ramadan (Qatar)

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- Technical Features Of Horizontally Split Case Pumps For Water Treatment And Water Transport Applications
Christian Schaetzle, Berthold Matz and Thomas Pensler (Germany)
- Technology to the Rescue - the Murrumba Downs WWTP
Cameron Staib (Australia)
- Terrestrial Laser Scanning for Water Engineering and Management
David Hetherington (UK)
- The German Water Partnership Pools Expertise for Tackling Global Challenges
Dieter Ernst (Germany)
- The Multiple Barrier Approach: Application To Water Reuse And Associated (Atypical) Risks
David Cohen and Ed Beling (Australia)
- The Rehabilitation of Large Diameter Water Mains Beneath Lion Rock Tunnel Road Deck
Kwok Ching Kong, Stephanus Shou, Ian Vickridge and Andy Lung (Hong Kong)
- The Role Of MBR Technology For The Improvement Of Environmental Footprint Of Wastewater Treatment
Valentina Lazarova, Samuel Martin Ruel, Hugues Vanden Bossche, Mar Esperanza, Sophie Courtois, J.M. Choubert, M. Coquery, Tianlun Li, Jean Louis Bonroy and Jean Luc Richard (France)
- TransWater - Industrial Wastewater Recycling Service through BOO/BOT
Junji Ise, Masao Hamaguchi, Toshiharu Aoki and Yasuhiro Hatano (Japan)
- UF and UF + RO Membrane Operations, Commercial Operation of UF
Steven Rosenberg, Angela Yeung and Markus Busch (China)
- UNESCO Ecohydrology Program Leading The Way To An Interdisciplinary Approach To Sustainable Water Resources Management
Shahbaz Khan (France)
- Use Of Consumption Data For Prediction Of Discharges Of Pharmaceuticals Into Sewers And The Water Environment - Verification From Hospital Point Sources And A Sewer Catchment
Ulf Nielsen, Jochen Tuerk, Jette W Lentz, Kim Rindel, Andre Kofoed and Martin Andersen (Singapore)
- Use of Ultrasonic Transducers to Control Algae Blooms in a Eutrophic Tropical Reservoir: a Case Study
Di Pan, Eikaas Hans, Cheng Hua Sim and Jin Zhi Lim (Singapore)
- Vacuum Wastewater Collection System
Chow Cher Chew and Johannes Selke (Singapore)
- Water Diaries: A Robust, Transportable Methodology To Collect Reliable Intra-Household Water Use Data
Kate Harriden and Kuntala Lahiri-Dutt (Australia)
- Water Resource Management in Land Transport Authority Road and Rail Project Sites
Huiling Kew (Singapore)
- Water Reuse At Tai Steel, UF + RO In High Scaling Potential Waters
Steven Rosenberg and Robert Chu (China)

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