FINAL CONFERENCE PROGRAM

Sunday, 9 September

14:30 REGISTRATION AND POSTER SET-UP – LEVEL 2
18:00 WELCOME DRINKS – LEVEL 2, CLUB PAVILION

Monday, 10 September

8:45 CONFERENCE WELCOME – CONFERENCE HALL, LEVEL 17
  Welcome to Country
  Welcome Speech
  A/Prof. Jega V. Jegatheesan
  Conference Chair, Deakin University

8:55 Welcome Speech
  Prof. K. Baskaran
  Associate Dean (International), Faculty of Science & Technology, Deakin University

9:00 Prof. Trevor Day
  Two key social challenges facing science and engineering: credibility and recruitment

9:20 Mr. Ben Furmage
  Enhancing life and livability - Future opportunities and challenges in meeting Melbourne’s water supply needs

9:40 Prof. Ashok Pandey
  Non-conventional agricultural wastes as potential feedstocks for the production of bioethanol

10:00 Prof. Roji Sarmidi
  Biotechnology of Natural and Waste Resources: the perspective of a developing nation, special emphasis on water management

10:20 Dr. Dharma Dharmabalan
  Climate change and new challenges to manage water systems

10:40 MORNING TEA

11:10 Prof. Stephen Gray
  Water – Research and Future Needs

11:30 Prof. Yeong-Kwan Kim
  A Comprehensive Approach for Intelligent Water Network Management in Korea

11:50 Prof. Huanting Wang
  Polymer Hydrogel composite Materials for Energy-Efficient Water Desalination

12:10 Prof. Seungkwan Hong
  Osmosis membrane processes for water and energy: prospects and challenges

12:30 LUNCH

13:30 POSTER SESSION

14:45 AFTERNOON TEA
### FINAL CONFERENCE PROGRAM

**Monday, 10 September (continued)**

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<td>15:00</td>
<td><strong>WATER TREATMENT (Theme 1)</strong> Room: Room: Bourke 1 (Level 2) Chairs: A/Prof. Huu Hao Ngo &amp; Prof. Baoyu Gao</td>
<td><strong>WASTEWATER TREATMENT (Theme 1)</strong> Room : Bourke 2 (Level 2) Chairs: Prof. Kuo-Lun Tung &amp; Prof. Jih Gaw Lin</td>
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<td>15:20</td>
<td><strong>MEMBRANES (Theme 2)</strong> Room: Bourke 3 (Level 2) Chairs: Dr. Jurate Virkutyte &amp; Prof. Kanagaratnam Baskaran</td>
<td><strong>ENERGY (Theme 3)</strong> Room: Bayside 5 (Level 2) Chairs: Prof.Ramraj Boopathy &amp; A/Prof. Binxia Xue</td>
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<td>15:40</td>
<td><strong>ALGAL BIOMASS / BIOFUEL (Theme 3)</strong> Room: Bayside 6 (Level 2) Chairs: A/Prof. Pascale Champagne &amp; Prof. Seok Dockko</td>
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#### WATER TREATMENT (Theme 1)

- **B025** Influence of using Enteromorpha extract as a coagulant aid on floc characteristics of aluminum sulfate in Yellow River water treatment  
  Baoyu Gao
- **A148** Role of Biological Activated Carbon in Improving Chlorine Stability in Recycled Water Distribution Systems Using a Novel Approach  
  Arumugam Sathasivan

#### WASTEWATER TREATMENT (Theme 1)

- **B081** Catalytic dechlorination of tetrachloroethylene in aqueous solutions by supported Fe-Pd nanoparticles  
  Jurate Virkutyte

#### MEMBRANES (Theme 2)

- **B004** Organic and Nutrient Reduction in a Fish Processing Facility – A case study  
  Kanagaratnam Baskaran

#### ENERGY (Theme 3)

- **C001** Use of White Rot and Brown Rot Fungi in Lignin Removal from Agricultural Residues for Ethanol Production  
  Ramraj Boopathy

#### ALGAL BIOMASS / BIOFUEL (Theme 3)

- **A015** Nutrient removal of nursery and municipal wastewater using Chlorella vulgaris microalgae for biofuel production  
  Vasantha Aravinthan

#### WATER TREATMENT (Theme 1)

- **A085** A pilot study of wastewater treatment by partial nitrification and anammox process  
  Jih Gaw Lin

#### WASTEWATER TREATMENT (Theme 1)

- **A038** Wasted Rubber Tire Chips as Potential Bio-filter for Pollutant Removal in Constructed Wetland  
  Jih Ming Chyan

#### MEMBRANES (Theme 2)

- **A055** Utilizing immobilized ZnO for visible light photocatalytic degradation of azo dye acid orange G wastewater  
  Hung-Yee Shu

#### ENERGY (Theme 3)

- **B046** Nitrification Performance and Microbial Community of Nitrifying Bacteria in a Full-Scale Membrane Bioreactor treating TFF-LCD Wastewater  
  Liang-Ming Whang

#### ALGAL BIOMASS / BIOFUEL (Theme 3)

- **B043** Developing an advanced cleaning method using ozone for microfiltration coupled with anaerobic membrane bioreactor  
  Mi-Sun Kim

#### WATER TREATMENT (Theme 1)

- **B076** Improving Urban Runoff Quality Using Iron Oxide Nano Particles with Magnetic Field  
  Mehdi Khiadani

#### WASTEWATER TREATMENT (Theme 1)

- **B003** The use of ceramic filtration and ultrafiltration membranes for the reclamation and reuse of secondary effluent  
  Shobha Muthukumaran

#### MEMBRANES (Theme 2)

- **A147** Understanding the Effect of Temperature on Microorganisms Treating Acetate in Microbial Electrolysis Cell (MEC)  
  Arumugam Sathasivan

#### ENERGY (Theme 3)

- **A064** Effective Biochemical Decomposition of Chlorinated Aromatic Hydrocarbon Contaminants Using the Biocatalyst Immobilized on Natural Enzyme Supports  
  Han S. Kim

- **B112** Nutrient removal and P recovery from landfill leachate in an A/O MBR  
  Chia-Yuan Chang
Tuesday, 11 September

9:00
A0115 Effects of dissolved humic acid on adsorption of Cr(VI) by food-grade tannic acid immobilized PAC from micro-polluted water
Xujin Gong

A1265 Occurrence of quinolone and imidazole antibiotics in Central Taiwan river systems
Wan-Ning Lee

B0265 Study on optimum operational aerobic submerged membrane bioreactor in treating spent caustic wastewater
Noor Sabrina

B0935 Removal of N-nitrosamines by an aerobic membrane bioreactor
Kaushalya Wijekoon

C0085 Application of a novel enzymatic pretreatment on microalgal biomass for bio-hydrogen production
Yeo-Myeong Yun

C0075 Nitrogen loss and bio-availability of organic carbon during composting of sewage sludge with different extra carbon sources
Yunbei Li

9:15
A0335 Comparison study on the performance of cabbage and cauliflower for heavy metals removal
Md. Anwar Hossain

A0915 Salinity affect photocatalyst degradation of sulfamidine antibiotics and their toxicities in water
Chun-Chen Yang

B0285 A simplified approach for modelling the formation and degradation of soluble microbial products (SMP) in an integrated mathematical model of MBR
Mst Farzana Rahman

Zuthi

B0925 Factors governing the rejection of trace organic contaminants by nanofiltration and reverse osmosis membranes
Hai Dang Quang

C0375 Effects of OLRs and HRTs on hydrogen production from high salinity substrate by HHPB(Halophilic Hydrogen Producing Bacteria) in CSTR
Shan Zhang

C0145 Continuous high-solids anerobic digestion of food waste under mesophilic conditions: performance and microbial community analysis
Si-Kyung Cho

9:30
A0475 Novel Effective Waste Iron Oxide Coated Magnetic Absorbent for Phosphate Absorption
Chia-Hsun Liu

A0545 Nitrogen and phosphorus removals of Chlorella sorokiniana by heterotrophic culture in various nitrogen concentrations and sources
Sunjin Kim

B0385 Removal of diclofenac and bisphenol-A by a novel fungal membrane bioreactor
Shufan Yang

B0995 Functionalised filtration membrane with cashmere guard hair powder coating for removal of toxic heavy metals
Kirian Patil

C0445 Bioethanol production from the macroalgae Sargassum spp.
Myra Borines

C0685 Efficacy of Heated Dry Sludge in Alum Coagulation to Remove Methylene Blue
Daniel Ng Chee Wei,
Guan Zhi Hua and
Handojo Djiati Utomo

9:45
A0145 A critical review on the application of agricultural wastes for heavy metals removal from wastewater
Thi An Hang Nguyen

A0735 Electrochemical Reduction of Trichloroethylene using Zero-Valent Iron Bipolar Packed-bed Electrodes
Ja-Won Shin

B1055 Effect of different temperatures on performance and membrane fouling of high concentration PAC-MBR treating slightly polluted surface water
Rajab Aboussinia

B0955 Removal of organic acids from co-produced water by forward osmosis
Devin Takara

C0335 Green processing of dedicated energy crops for biobarrel and biobased products
Yong-Woo Jeon

10:00
A0025 Thermally Processed Sewage Sludge for Methylene Blue Uptake
Ong Xi Chun, Lim Suet Min Sophia, OnghCahyaningsih Geok Chuan Brenda and Handojo Djiati Utomo

A0765 Water Resource Management for Sustainable Industrial City
Andriati

B0675 Flux Behavior and Membrane Fouling in Pressure-Assisted Forward Osmosis
Taekgeun Yun

B0135 Study on nitrous oxide emissions for a full-scale sequencing batch reactor (SBR) wastewater treatment plant
Shi-chang Sun

C0235 Investigation of methane production from residue of marine algal ethanol fermentation
Jeong-Hoon Park

C0125 Spectral study of dissolved organic matter in biosolids during the composting process using inorganic bulking agent: UV-Vis, GPC, FTIR and EEM
Yunbei Li
Tuesday, 11 September (continued)

10:45  A0625 Biodegradation combined with UV irradiation of decabromodiphenyl ether by aerobic mixed cultures in the clay/water environment
        Hsi Ling Chou

10:50  B047S Photocatalytic degradation of the antineoplastic agent in aqueous environment
        Wei-Po Lai

10:55  B058S Reduction kinetics of nitrate using the packed bed bipolar electrode reactor
        Sojeong Na

11:00  B089Y Study on the optimization of the denitrifying phosphorus accumulating removal process in the parallel A’O-MBR system
        Lian Wang

11:15  A093S Performance evaluation of an up-flow roughing filter for pre-treatment of high turbidity water
        Ghalib Hasnain

11:20  B021S Simultaneous removal of nitrate, phosphate and fluoride using bipolar ZVI packed bed electrolytic cell
        Joo-Young Jeong

11:25  B075Y Fouling characterization and nitrogen removal in batch granulation membrane bioreactor
        Bui Xuan Thanh

11:30  A045S Anaerobic treatment of thermal-hydroyzed sewage sludge containing high concentration of ammonia
        Kyung Mo

11:35  B059S Reactivity of pure and impure α-hematite/Fe (II) system in reduction of trichloroethylene
        Praveen Ashok Ghorpade

11:40  B030S N2O production during denitrifying phosphorus removal process: Main causes and control method
        Cong Li

11:45  B094Y Removal of emerging trace organic contaminants by MBR-based hybrid treatment processes
        Nghiem Long

12:00 B027Y Wetland roof with Melampodium Paludosum for domestic wastewater treatment
        Bui Xuan Thanh

12:05  B033S Aerobic granulation and the emission of nitrous oxide in a sequencing batch airlift reactor at ambient temperatures
        Qiang Kong

12:10  A027Y Fixation of CO2 by carbonating municipal solid waste incinerator (MSWI) bottom ash in a slurry reactor
        Shui-Yuan Pan

12:15  B035S An Analysis of the Influence by Using Osmotic Backwashing on the SWRO Process
        Jun Young Park

12:20  B033S Aerobic granulation and the emission of nitrous oxide in a sequencing batch airlift reactor at ambient temperatures
        Qiang Kong

12:25  A092Y Organics and nitrogen removal enhanced by sand infiltration system and intermittently aerated subsurface constructed wetlands in northern China
        Jian Zhang

12:30  C038Y Metabolic flux network analysis of fermentative hydrogen production: using Clostridium tyrobutyricumas an example
        Hai-Hsuan Cheng

12:35  C039S Fixation of CO2 by carbonating municipal solid waste incinerator (MSWI) bottom ash in a slurry reactor
        Shui-Yuan Pan

12:40  C063Y Innovation process for recovery organic sludge as derived fuel
        Fang-Chih Chang

12:45  C065Y Alternative fuel different options: progression from first generation to fourth generation
        Kasturi Dutta

12:50  C031S Research on Energy-saving Design of Gymnasium in Cold Region of China Northeast Based on Climatic Adaptation
        Naihua Yue

12:55  B057S Titania aerogel for photocatalytic decomposition of water pollutants
        Mohammad Shahid
Tuesday, 11 September (continued)

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<td>13:45</td>
<td>1078Y Treatment of anaerobically digested liquor of swine wastewater by simultaneous partial nitrification, anaerobic ammonium oxidation and denitrification (SNAD) process under ambient temperature</td>
<td>Achlesh Daverey</td>
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<td>2065S Molecular detection of the microbial community composition of a nitrifying-denitrifying activated sludge system</td>
<td>Hira Waheed</td>
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<td>2035S Development of a new Poly Silicate Ferric coagulant and its application to coagulation-membrane filtration hybrid system in wastewater treatment</td>
<td>Firoozeh Nateghi</td>
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<td>006Y Performance Evaluation and Bacterial Characterization of Membrane Bioreactors</td>
<td>Sher Jamal Khan</td>
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<td>005Y Energy from solid waste – Case study of Iskandar Malaysia</td>
<td>Zarina Ab Muis</td>
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<td>131Y Improvement of lime softening treatment of secondary effluent by addition of fly ash</td>
<td>Lihua Cheng</td>
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<td>14:00</td>
<td>110Y Treatment of arsenic-containing wastewater with co-precipitation and mineralization processes</td>
<td>Fang-Chih Chang</td>
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<td>028S An Innovative Risk Based Cost-Benefit Assessment Model for Evaluating Building Project Economics</td>
<td>Jane Lai</td>
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<td>091Y Effects of organic and colloidal fouling on the rejection of two pharmaceutically active compounds (PhACs) by nanofiltration processes: Role of membrane foulants</td>
<td>Nghiem Long</td>
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<td>039Y Morphology of Coriolus versicolor in a membrane bioreactor as key bioprocess parameter governing degradation of azo dye Acid Orange 7</td>
<td>Faisal Hai</td>
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<td>087S Transformation of β-lactam antibiotics by laccase-mediated systems</td>
<td>Yi-Pei Dan</td>
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<td>131Y Improvement of lime softening treatment of secondary effluent by addition of fly ash</td>
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<td>14:15</td>
<td>090Y Degradation of dibutyl phthalate in aqueous solution by the O3/UV process</td>
<td>Liang Wang</td>
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<td>0635S Fertilizer Drawn Forward Osmosis (FDF0) for Fertigation: Application to Tomato</td>
<td>Tahir Majeed</td>
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<td>0685 Submerged Membrane Ion-exchange Hybrid System as a Tertiary Wastewater Treatment</td>
<td>S. Shanmuganathan</td>
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<td>0865S Submerged Membrane Ion-exchange Hybrid System as a Tertiary Wastewater Treatment</td>
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<td>035Y Development of technology for the production of second generation bio fuel bioethanol from bagasse</td>
<td>Jagdish Singh</td>
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<td>021S Evaluation and analytical modeling of carbon monoxide mass transfer using a composite hollow fiber (CHF) membrane bioreactor in syngas fermentation</td>
<td>Pradeep Munasinghe</td>
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<td>025S Biofuel residues conversion into aquatic feed via fungal fermentation</td>
<td>Saoharit Nitayavardhana</td>
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<td>14:30</td>
<td>1695S Degradation of phenolic syntan used in leather industry by Fenton’s oxidation activated carbon adsorption</td>
<td>Rema Thankapnan</td>
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<td>030Y Numerical Simulation of Saltwater Intrusion in Panglao Island, Bohol</td>
<td>Dolores Cleofas</td>
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<td>044Y Effect of high salinity on biomass characteristics and membrane filtration of membrane bioreactors</td>
<td>Won Seung Lee</td>
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<td>1085 Fouling prevention by sponge and PAC addition in membrane bioreactor for septic tank effluent treatment</td>
<td>Nawaporn Temdee</td>
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<td>066Y Application of Condition Assessment Methodology in Reinforced Concrete Sewer Pipes</td>
<td>Sangjong Han</td>
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<td></td>
<td>059 Analysis of Financial Effects and Drivers for Improving Efficiency by Adopting Asset Management Strategy of Sewage Facilities</td>
<td>Kyoung-Ju Kim</td>
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<td>037Y Removal of trace organic contaminants using white-rot fungi and their lignin modifying enzymes-factors, potential and practical limitations</td>
<td>Faisal I. Hai</td>
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<td>14:45</td>
<td>163Y The influence of water treatment processes on biofilm formation in water distribution system: focusing on organic carbon and pipe material</td>
<td>Mijeong Jang</td>
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<td>0695S Modeling Evaluation for the Level of Sewer Service in Customers’ View</td>
<td>Byongjun Kang</td>
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<td>051Y Research on the Multi-Objective Guiding Comprehensive Treatment Technology on the Saline-Alkali Land of Daqing</td>
<td>Shengjun Liu</td>
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<td>070S The effect of powder activated carbon age on submerged membrane adsorption bioreactor in seawater desalination</td>
<td>Sanghyun Jeong</td>
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<tr>
<td>15:20</td>
<td>A008S Kinetics and Mechanisms of Antipyrine Chlorination in Water with Free Chlorine</td>
<td>Cai Meiquan</td>
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<td>15:40</td>
<td>A031 Evaluation of long term stability of seeded bacteria in a bio-enhanced activated carbon filter used for drinking waterwastewater treatment</td>
<td>Duoying Zhang</td>
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<td>16:00</td>
<td>B060 Development of a Novel Process for Arsenic(V) Removal from Water using Fe- ettringite</td>
<td>Won-Ho Choi</td>
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<td>16:20</td>
<td>A044 Assessment of Water Contamination in Storage Tanks in the City of Makkah, Saudi Arabia Turki Mesfer Al-aboud</td>
<td>I-Ming Chen</td>
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<td>16:40</td>
<td>B077 Removal of Turbidity From Water by Dissolved Air Floatation (DAF) and Conventional Sedimentation Systems Using Poly Aluminum Chloride as Coagulant Mehdi Khiadani</td>
<td>Won-Ho Choi</td>
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## FINAL CONFERENCE PROGRAM

### Wednesday, 12 September

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<td>9:20</td>
<td>A018 Adsorption property of direct red brown on acid-thermal modified sepiolite and optimization of adsorption conditions using Box-Behnken Response Surface Methodology Weiguang Li</td>
<td>A127 Pilot study on the removal of TOC, THMs and HAAs in drinking water using ozone/UV-BAC Nguyen Phuoc Dan</td>
<td>B049 Osmotic pressure-driven backwash in a pilot-scale reverse osmosis plant Suhan Kim</td>
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<td>9:40</td>
<td>A077 Role of Surface Macromolecules During The Adhesion of Cryptosporidium parvum Oocysts onto Single Glass Bead Seoktae Kang</td>
<td>A042 Capacitive deionization (CDI) for Removal of Phosphate from Aqueous Solution Gaw-Hao Huang</td>
<td>B068 Application of Isopore Cycloaliphatic Polyurethane Membrane for Water Treatment Sangho Lee</td>
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<td>10:00</td>
<td>C005 Biosorption of Cadmium on spent tea: Green Chemistry approach Uzaira Rafique</td>
<td>A012 Cr(VI) reduction by Acinetobacter haemolyticus in rich and agricultural waste medium Zainul Akmar Zakaria</td>
<td>B054 Properties of chlorine bulk decay for waters from conventional treatment and microfiltration on various wall materials used in a distribution system Ji Hyang Kweon</td>
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<td>WASTEWATER (Theme 1)</td>
<td>MEMBRANE BIOREACTORS (Theme 2)</td>
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<td>10:50</td>
<td>A164 Assessment of hydrological responses to land use change in sustainable watershed management Ranjan Sarukkalige</td>
<td>A0865 Role of Community in Creating Eco Industrial Park in Bekasi, Indonesia Aviasti</td>
<td>B109 The effect of the main components in mixed liquor on membrane fouling and its cleaning in MBR progress Jing Guan</td>
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<tr>
<td>11:10</td>
<td>A061 The investigation of bacterial indicators and point source pollution in the Nanshi River in Northern Taiwan Yi-Tang Chang</td>
<td>A042 Capacitive deionization (CDI) for Removal of Phosphate from Aqueous Solution Gaw-Hao Huang</td>
<td>B024 Low flux operation of submerged membrane bioreactor treating high strength leachate from solidwaste transfer station Nguyen Phuoc Dan</td>
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<td>11:30</td>
<td>A145 Removal of Algae &amp; Turbidity by Floating-Media &amp; Sand Filtration Dae Young Kwon</td>
<td>A029 A Study on the Economic Analysis in Case of Reclaimed Wastewater as Industrial Water SoonyuYu</td>
<td>B113 Feasibility study of a laboratory scale MBR with co-treatment of septic tank effluent and landfill leachate Chia-Yuan Chang</td>
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<td>12:10</td>
<td>A134 Performance variations of two water quality models on a river with high ammonia and organic matters Yi-Chu Huang</td>
<td>A154 Application of EBI-ACF Hybrid Processes for Phenol Removal in Industrial Wastewater Joung-Eun Gu</td>
<td>B072 A Prototype IT/OD-MBR (Inclined-Tube/Oxidation-Ditch Membrane Bioreactor) system for High-rise Building Wastewater Recycling Chavalit Ratanatamskul</td>
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FINAL CONFERENCE PROGRAM

Wednesday, 12 September (continued)

PESTICIDES / HEAVY METALS / OTHER CHEMICALS (Theme 1)
Room: Bourke 1 (Level 2)
Chairs: Prof. Baoyu Gao & A/Prof. Pascale Champagne

13:40 B010 Synthesis and application of polyferric chloride-poly (epichlorohydrin-dimethylamine) composites using different crosslinkers Baoyu Gao

14:00 B074 Preparation and Characterization of Chitosan/Carbon Nanotubes Composite Sorbent for the Removal of Copper(II) ions Srinivasa R. Popuri

14:20 A099 Removal of pesticide in agricultural run off using granular activated carbon: A simulation study using a fixed bed column approach Ahmad Jusoh

A149 The Study of Soil Washing by Surfactants for PAH Remediation Ming-Chin Chang

15:00 A132 Effects of Conway and f/2 media on the growth of six genera of South China Sea marine microalgae Azizah Endut

15:20 AFTERNOON TEA

CATCHMENT(Theme 1)
Room: Bourke 1 (Level 2)
Chairs: Dr. Ranjan Sarukkalige & Dr. Suhan Kim

15:40 A084 Development and Application of a 2 Dimensional Urban Inundation Model based on Catchment Delineation In-Hyeok Park

16:00 A128 Fate of cephalosporin antibiotics in Jingmei River in Taiwan Xiao-Huan Wang

16:20 A083 A Stochastic Estimation of the Combined Sewer Overflows under Insufficient Observation In-Hyeok Park

16:40 C072 Characteristics of greenhouse gas emission in the Yellow River Delta wetland Qingfeng Chen

TREATMENT (Theme 1)
Room: Bourke 2 (Level 2)
Chairs: Prof. Uzaira Rafique & Dr. Zainul Akmar Zakaria

A056 Linking DMSO/DMS removal efficiency, Hyphomicrobium and Thiobacillus spp.population dynamics, and nitrification performance in full-scale TFT-LCD wastewater treatment processes Liang-Ming Whang

A109 Nitrogen budget as water quality management tool in aquaponics recirculation system Azizah Endut

A063 Effects of photoperiod and feeding strategies on nitrogen and phosphorous budget in a tilapia-cum-water spinach production system Jung-Yuan Liang

A125 Health care effectiveness of Taiwan’s overall environmental assessment by organic fruits and vegetables, Chinese food raw food decontamination Roey-Shwu Lin

A035 Effect of co-substrate on biodegradation in nitrobenzene wastewater by nitrobenzene-acclimation bacteria Yingzi Lin

OXIDATION (Theme 1)
Room: Bourke 2 (Level 2)
Chairs: A/Prof. Wan Azlina Ahmad & A/Prof. Chavalit Ratanatamskul

MEMBRANES / COPOLYMERS
Room: Bourke 3 (Level 2)
Chairs: Dr. Ho Kyong Shon & Dr. Srinivasa Popuri

MEMBRANE BIOREACTORS (Theme 2)
Room: Bourke 3 (Level 2)
Chairs: Dr. Subrat Das & A/Prof. Jegavathanasan

B062 The effects of flux variation and enhancing chemicals on biofouling of MBR treating palm oil mill effluent Salmiati

B085 Water transport behaviour and permeability of polyamide thin composite membranes Weimin Gao

A146 Risk management of land subsidence in Shanghai Han-mei Wang

B116 Application of Hybrid Nanofiltration for Separation of Concentrated PFOS in Aqueous Solution Romchat Rattanaoudom


C057 Novel Green Copolymers Synthesis for Antibacterial Applications Srinivasa R Popuri

C0045 Trace pollutants removal in a catalytic gasification of rice straw by an integration of hot gas cleaning system Chen-Han Lu
Poster Presentations

1. A003P Potential Use of Sand- Coffee Column Filtration System for Trace Copper Removal from Rooftop Runoff
   Lim Chin Haow, Fu Jia Jun, Saw Kay Heng and Handojo Djati Utomo

2. A005P Solvent extraction of palladium(II) from acidic chloride solutions using tri-octyl/decyl ammonium chloride (Aliquat 336)
   Chen-Yu Peng

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