



## PROGRAM

### THE 5<sup>TH</sup> INTERNATIONAL SYMPOSIUM ON ENVIRONMENTAL ANALYTICAL CHEMISTRY (ISEAC 5 - ASIA)

Venue: REX hotel, 141 Nguyen Hue Street, District 1, Ho Chi Minh City, Vietnam

Date: May 17-19, 2017

#### Day 0: Tuesday, May 16, 2017

Time	Events
13:00-17:00	Registration and Poster Set-up at 1st floor of Sunflower Hall, REX hotel <a href="#">ISEAC5-Asia Organizer</a>
18:00-20:00	Welcome drinks <a href="#">Invited guests (Keynote speakers, organizers) at Com Nieu Restaurant</a>
8:00-17:00	Scientific Writing Workshop for Students (Free of charge) HCMC University of Technology (Seminar room, Building B9). Dr. Eldon R. Rene (IHE, Netherlands) <a href="#">Participants must register with secretary (iseac5@hcmut.edu.vn) before May 10th 2017</a>

#### Day 1: Wednesday, May 17, 2017

8:00 – 9:00 Registration

##### Plenary Session 1 – Sunflower Hall

Time	Speakers and Topics
09:00	Welcome Remark from the Organizing Committee <a href="#">Prof. Vu Dinh Thanh, Rector of HCMC University of Technology (HCMUT)</a>
09:10	Welcome Speech from The International Association of Environmental Analytical Chemistry (IAEAC) <a href="#">Prof. José Broekaert, President of IAEAC</a>
09:20	Welcome Speech from the Chair of ISEAC5-Asia Local Organizing Committee <a href="#">Prof. Nguyen Phuoc Dan, Dean of Faculty of Environment and Natural Resources, HCMUT</a>
	<b>Keynote section chair: Prof. Rizlan Bernier-Latmani, Prof. José Broekaert, Prof. Marc Chevreuil, Prof. Nguyen Phuoc Dan &amp; Prof. Long Duc Nghiem</b>
09:30	Can membrane hybrid system be a smart option for nutrient recovery from wastewater? <a href="#">Prof. Huu Hao Ngo, University of Technology Sydney, Australia</a>

10:10	Group Photo + Coffee Break
10:40	Membrane based decentralized wastewater treatment: Path to sustainable cities Prof. Chettiyappan Visvanathan, Asian Institute of Technology, Thailand
11:20	Passive sampling for monitoring organic contaminants in aquatic systems. Prof. Luiz Felipe De Alencastro, Ecole Polytechnique Fédérale de Lausanne, Switzerland
12:00	Lunch

## Parallel Sessions

Time	Speakers and Topics		
<b>Session 1</b>	<b>Sunflower A</b>	<b>Sunflower B</b>	<b>Tulip</b>
<b>Session Topic</b>	<b>Environmental Analytical Chemistry</b>	<b>Environmental Measurement &amp; Monitoring</b>	<b>Water Reclamation</b>
<b>Session Chair</b>	Prof. José Broekaert Prof. Laurent Charlet	Prof. C. Visvanathan Dr. Nicolas Gratiot	Prof. Long Duc Nghiem Prof. Bui Xuan Thanh
13:30	<u>TP1 – TV-15165</u> Extending analysis of environmental pollutants in fish muscle based on target and non-target strategies using GC-MS/MS and LC-QTOF-MS/MS Christine Baduel, Henghang Tsai, Jochen F. Mueller, Maria-Jose Gomez Ramos	<u>TP1 – TV-86535</u> Speciation and mobility of arsenic in Mekong Delta sediments Maria P. Asta, Yuheng Wang, Pierre Le Pape, Phu Le Vo, Vu Pham, Laurent Charlet, Guillaume Morin, Rizlan Bernier-Latmani	<u>TP3 – TV-31625</u> Effects of membrane fouling on the rejection of N-nitrosodimethylamine by reverse osmosis Takahiro Fujioka, Hitoshi Kodamatani, Hidenobu Aizawa, Stephen Gray, Kenneth P. Ishida, Long Duc Nghiem
	<u>TP1 – TV-19035</u> Interplay of S and As in Mekong Delta sediments during redox oscillations: investigation sulfate origin through S and O isotopes Van Phan T.H, Alejandro FERNANDEZ-Marinez, Fabrizio Bardelli, Delphine Tisserand, Rizlan BERNIER-Latmani, Laurent Charlet	<u>TP2 – TV-2011</u> Suspended sediments and particulate substances monitoring in rivers Julien Némery, Nicolas Gratiot, Tuyet T.N. Nguyen, Emilie Strady, An T. Nguyen, Joanne Aime	<u>TV-66091-226</u> Development of less energy consuming MBR process using the braid reinforced membrane and LENA process Kwang-Jin Lee, Ho-Chan, Jung, Hee-Wan Moon, Yong-Cheol Shin, Woo Nyoung Lee, Hyung Keun Roh
14:10	<u>TP2 – TV-2001</u> Development of a single-run analytical method for the detection of ten multiclass emerging contaminants in agricultural soil using an acetate-buffered QuEChERS method coupled with LC-MS/MS Young-Jun Lee, Jeong-Heui Choi, A. M. Abd El-Aty, Hyung S.	<u>TP2 – TV-2004</u> Spatial and seasonal variability of Mn, As and Cr in a tropical mangrove estuary (Can Gio, Viet Nam) Nguyen Thanh-Nho, Cyril Marchand, Emilie Strady, Frank David, Tran Thi- Nhu-Trang	<u>TP3 – TV-87109</u> A Novel Intergrated Sponge Based Moving Bed-Osmotic Membrane Bioreactor (OsMBR) Hybrid System for Municipal Wastewater Treatment Nguyen Cong Nguyen, Hau Thi Nguyen, Shiao-Shing Chen, Huu Hao Ngo, Wenshan Guo, Quang Huy Le, Van Loi Nguyen

Chung, Han S. Lee, Sung-Woo Kim, Md. Musfiqur Rahman, Byung-Jun Park, Jan-Eok Kim, Ho-Chul Shin, Jae-Han Shim

14:30	<b><u>TP1 – TV-25937</u></b>	<b><u>TP1 – TV-66087</u></b>	<b><u>TP3 – TV-57241</u></b>
	Investigating the characteristics of volatile organic compounds in Kao-Ping area, southern of Taiwan	Contamination by bisphenol A in a small river receiving effluents from WWTP in rural area of Ile-de-France	Combining Advanced Oxidation Processes in attached growth membrane bioreactor for treating polluted surface water
	<u>Thi-Dieu-Hien Vo</u> , Wen-Ming Mao, Chitsan Lin	<u>Bich Chau Tran</u> , Martine Blanchard, Marie Jeanne Teil, Fabrice Alliot, and Marc Chevreuil	<u>Lu Li</u> , Thanwarat Chan, C. Visvanathan

14:50	<b><u>TP1 – TV-25411</u></b>	<b><u>TP3 – TV-63827</u></b>	<b><u>TP3 – TV-19844</u></b>
	Steroid Estrogens in the Environment: An Analytical Challenge	Molecular basis of Cd <sup>+2</sup> stress response in <i>Candida tropicalis</i> 3Aer	Changes in nitrate removal and sludge characteristics of hydrogen-fed bioreactor under long-term operation conditions
	<u>Yuegang Zuo</u> , Si Zhou, Yuejuan Lin and Yiwei Deng	<u>Abdul Rehman</u> and Zaman Khan	<u>Tran-Ngoc-Phu Nguyen</u> and Chihpin Huang

15:10

Poster Session + Coffee Break

Session 2	Sunflower A	Sunflower B	Tulip
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<b>Session Topic</b>	<b>Environmental Analytical Chemistry</b>	<b>Environmental Measurement &amp; Monitoring</b>	<b>Environmental Technology &amp; Management</b>
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<b>Session Chair</b>	Prof. Rizlan Bernier-Latmani Prof. Luiz Felipe De Alencastro	Prof. Nguyen Phuoc Dan Dr. Emilie Strady	Prof. Heechul Choi Prof. Takahiro Fujioka
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16:10	<b><u>TP1 – TV-1001</u></b>	<b><u>TP2 – TV-6786 (2)</u></b>	<b><u>TP4 – TV-22013</u></b>
	Application of asymmetric flow field flow fractionation (AF4) online coupling with single particle inductively coupled plasma mass spectrometry (spICPMS) to detect, quantify, and characterize engineered nanomaterials at environmental relevant concentrations in aquatic environment	Long term nutrient dynamics in Saigon-Dongnai Rivers impacted by the megacity of Ho Chi Minh City (Southern Vietnam)	Olive mill wastewater treatment using an upflow anaerobic sludge blanket reactor: Performance and neural network modeling
	<u>Khanh An Huynh</u> , Emily Siska, Edward Heithmar	<u>Tuyet T.N. Nguyen</u> , Julien Némery, Nicolas Gratiot, Emilie Strady, An T. Nguyen, Joanne Aime, Son Tung Cao, and Trang P.T. Huynh	Frezer Assefa, <u>Eldon R. Rene</u> , Berend Lolkema, Peter van der Steen and Piet N. L. Lens

16:30	<b><u>TP1 – TV-75683 (2)</u></b>	<b><u>TP2 – TV-13652 (1)</u></b>	<b><u>TV-98926</u></b>
	Development of new method for degradation of metal-ligand complexes as the pretreatment process for quantification of metal content in wastewater	Dissolved and suspended organic matter control the cation trace elemental distribution in the Saigon river	Indoor air pollution control by photocatalysis: case of formaldehyde
	<u>Truong Anh Kiet</u> , Nguyen Thuy Dung Thi, Dao Ngoc Phuong Uyen, Nguyen Thi Thanh Hang, Luu Trong Duc, Chieu Quoc Phu, Nguyen Thao Trang	<u>Lorenzo Spadini</u> , Emilie Strady, Jean M.F. Martins, Florent Blanco	<u>Nguyen Nhat Huy</u> , Nguyen Thanh Khon, Tran Minh Long, Nguyen Thi Thuy

16: 50	<p><b><u>TP2 – TV-61827</u></b></p> <p>Analysis of antibiotic and pesticide residues in intensive shrimp farm waters using passive sampling</p> <p><u>Truong An Nguyen</u>, Dinh Quoc Tuc, Thi San Ha Phan, Thi Minh Tam Le, Thi Thu Hang Pham, Clément Lavasseur, Nicolas Estoppey, Rossi Pierre, Luiz Felipe de Alencastro</p>	<p><b><u>TP5 – TV-27031</u></b></p> <p>Chemical structures of intra- and extra-cellular algogenic organic matters as precursors to the formation of C-DBPs</p> <p><u>Lap-Cuong Hua</u>, Jr-Lin Lin, Chihpin Huang</p>	<p><b><u>TP2 – TV-2003</u></b></p> <p>Greenhouse gas emissions from sewage sludge treatment process</p> <p><u>Nguyen Thanh Phong</u>, Carsten Cuhls</p>
17:10	<p><b><u>TP1 – TV-60428</u></b></p> <p>Speciation Analysis of Arsenic and Mercury in Environmental Samples using Ion Chromatography-Inductively Coupled Plasma Mass Spectrometry (IC-ICPMS)</p> <p><u>Kutscher Daniel</u>, <u>Sathrugnan Karthikeyan</u></p>	<p><b><u>TP2 – TV-2002</u></b></p> <p>Air quality monitoring and characterization of new sources of COSV emissions in the air of the Paris area (France)</p> <p><u>Elodie Moreau-Guigon</u>, Fabrice Alliot, Marie-Jeanne Teil, Martine Blanchard, Marc Chevreuil</p>	<p><b><u>TP1 – TV-19035 (2)</u></b></p> <p>Arsenic release during redox oscillations under microbial sulfate reduction investigation As and S K-edge spectroscopy</p> <p>Van Phan T.H, Rizlan Bernier-Latmani, Fabrizio Bardelli, Delphine Tisserand, <u>Laurent Charlet</u></p>
17:30	<p><b><u>TP1 – TV-33006</u></b></p> <p>Development and Validation of QbD driven LC-MS/MS Method for the Quantitation of Sildenafil in Biological matrix</p> <p><u>M Saquib Hasnain</u>, Shaukat Ali Ansari</p>	<p><b><u>TP2 – TV-13652 (2)</u></b></p> <p>Soil Sorption, Binding Modes and Transfer of Sulfamethoxazole</p> <p><u>Lorenzo Spadini</u>, Jeremy Granat, Marie-Christine Morel, Jean M.F. Martins, Emilie Strady</p>	<p><b><u>TP1 – TV-75683 (1)</u></b></p> <p>Cellulose acetate membrane fabrication from water hyacinth (<i>Eichhornia crassipes</i>)</p> <p><u>Ngo Nguyen Tien Dat</u>, Nguyen Quan Trinh, Nguyen Thao Trang</p>

Day 2: Thursday, May 18, 2017

8:00 – 8:30 Registration

Plenary Session 2 – Lotus A

Time	Speakers and Topics
	Keynote session chair: Prof. Laurent Charlet, Prof. C. Visvanathan, Prof. Elodie Moreu-Guigon, Prof. Do Hong Lan Chi & Prof. Huu Hao Ngo
08:30	Nano-engineered materials for water purification and seawater desalination <u>Prof. Heechul Choi</u> , Gwangju Institute of Science and Technology, Korea
09:00	Ecotoxicology and Environmental Fate of Nanomaterials from Nano-enhanced Products in Natural Water and Wastewater <u>Prof. Puangrat Kajitvichyanukul</u> , Naresuan University, Thailand
9:30	Resource recovery in an integrated urban water management framework <u>Prof. Long Duc Nghiem</u> , University of Wollongong, Australia
10:00	Coffee Break

10:30 Systemic Strategies for Comprehensive Authenticity Control  
 Prof. Markus Fischer, University of Hamburg, Germany

11:00 Food Safety, a winnable battle  
 Prof. Son Radu, University Putra Malaysia, Malaysia

11:30 Lunch

5/9/17

### Parallel Sessions

Time	Speakers and Topics	
<b>Session 3</b>	<b>Sunflower A</b>	<b>Sunflower B</b>
<b>Session Topic</b>	<b>Environmental Management &amp; Technology</b>	<b>Food Safety &amp; Ecotoxicology</b>
<b>Session Chair</b>	Prof. Heechul Choi and Prof. Ruediger Anlauf	Prof. Markus Fischer and Prof. Do Hong Lan Chi
13:00	<p><b>TP4 – TV-73902 (1)</b></p> <p>Optimization of culture conditions for isolation of anammox bacteria in a simulated sediment column</p> <p><u>Luong Van Duc</u>, Bongkeun Song, Hiroaki Ito, Takehide Hama, Masashi Otani, Yasunori Kawagoshi</p>	<p><b>TP7 – TV-8001</b></p> <p>Evaluating premises for the development of a sustainable consumption society in Vietnam</p> <p><u>Le Van Khoa</u> and Pham Gia Tran</p>
13:20	<p><b>TV-33657</b></p> <p>Coupling HYDRUS-1D with ArcGIS to estimate Pesticide Accumulation and Leaching Risk on a Regional Scale</p> <p><u>Ruediger Anlauf</u>, Jenny Schaefer and Puangrat Kajitvichyanuku</p>	<p><b>TP5 – TV-15804</b></p> <p>Bacterial resistances to antibiotics and high frequency of resistance genes in effluent of shrimp farming facility (Long An, Viet Nam)</p> <p><u>Pham Thi Thu Hang</u>, Pierre Rossi, Dinh Hoang Dang Khoa, Pham Ngoc Tu Anh, Dinh Quoc Tuc, De Alencastro Luiz Felipe</p>
13:40	<p><b>TV-6541</b></p> <p>Paraquat biodegradation in aqueous solution by <i>Pseudomonas putida</i> immobilized ceramic using ammonium ion modification.</p> <p><u>Manee Jindarakared</u> &amp; Puangrat Kajitvichyanukul</p>	<p><b>TP5 – TV-66258</b></p> <p>Bioaccumulation of antibiotics in wild freshwater invertebrates</p> <p><u>Dinh Quoc Tuc</u>, Moreau-Guigon Elodie, De Alencastro Luiz Felipe, Alliot Fabrice, Teil Marie-Jeanne, Pham T.T. Hang, Nguyen T. An, Labadie Pierre, Chevreuil Marc</p>
14:00	<p><b>TP4 – TV-72285</b></p> <p>Development of a CSTR System for Mesophilic Wet Anaerobic Digestion of Food Waste in Thailand</p> <p><u>Prabhat Joshi</u>, Diu Do Thi, Nanthiya Saeteaw, Yarinee Jumpusri, Abdul P Salam, Chettiyappan Visvanathan</p>	<p><b>TV-76423-214</b></p> <p>Stimuli factors to production of resting eggs by <i>Daphnia carinata</i> in toxicant free condition</p> <p>Tran T.H. Nhung, Bui L.T. Khiet, Dinh H.D. Khoa, Lu T. Linh, Nghiep T. Hong, Le P. Nga, <u>Do Hong Lan Chi</u></p>

14:20	<p><b><u>TV-600001</u></b></p> <p>Adsorption and Microbial Decomposition of Paraquat and Atrazine on the Clay Soil</p> <p><u>Daoheuang Keochanh</u>, W. Sinlapathorn, M. Jindakaraked, R. Anlauf &amp; P. Kajitvichyanukul</p>	<p><b><u>TP5 – TV-77996</u></b></p> <p>Sensitivity of <i>Daphnia lumholtzi</i> to trace metals dissolved in the Mekong River water</p> <p><u>Thanh-Son Dao</u>, Vu-Nam Le, Ba-Trung Bui, Khuong V. Dinh, Claudia Wiegand, Thi-My-Chi Vo</p>
14:40	<p><b><u>TP4 – TV-95053</u></b></p> <p>Arbuscular Mycorrhizal (AM) Effect On <sup>134</sup>CS Phytoremediation by Sunflower (<i>Helianthus annuus</i> L.)</p> <p><u>Gema Zacky Arbi</u>, Putu Sukmabuana, Indah Rachmatiah</p>	<p><b><u>TV-12259</u></b></p> <p>Influence of Herbicide Concentration and Soil Moisture Content on Soil Remediation by Indigenous Microorganisms</p> <p><u>Wongsathorn Sinlapathorn</u>, Daoheuang Keochanh, Nattakarn Nawinwattana, Manee Jindakaraked, Ruediger Anlauf, and Puangrat Kajitvichyanukul</p>
15:00	Coffee Break	
<b>Session 4</b>	<b>Sunflower A</b>	<b>Sunflower B</b>
<b>Session Topic</b>	<b>Environmental Management &amp; Technology</b>	<b>Ecotoxicology</b>
<b>Session Chair</b>	Prof. Marc Chevreuil and Prof. Son Radu	Prof. Le Phi Nga and Dr. Dao Thanh Son
15:30	<p><b><u>TP3 – TV-52887</u></b></p> <p>Submerged membrane photocatalytic reactor with suspended N-doped TiO<sub>2</sub> nanoparticles on MF ceramic membrane for diclofenac degradation under visible irradiation and coupling with hydrogen peroxide</p> <p><u>Tra Van Tung</u>, Jirapat Ananpattarachai, Puangrat Kajitvichyanukul</p>	<p><b><u>TV-7001</u></b></p> <p>Impacts of Ho Chi Minh City development on sediments of the Sai Gon River</p> <p><u>Mourier Brice</u>, Desmet Marc, Tu Tran Anh, Babut Marc Strady Emilie, Senna Estelle, Gratiot Nicolas</p>
15:50	<p><b><u>TP4 – TV-2464</u></b></p> <p>Component of single use items in solid waste of fast food restaurants: A case study in Ho Chi Minh city</p> <p><u>Do Thi Kim Chi</u>, Le Van Khoa, and Sunil Herat</p>	<p><b><u>TP3 – TV-10825</u></b></p> <p>Estimating the sampling frequency and accuracy of sediment flux in a large asian river</p> <p><u>Dang Thi Ha</u> &amp; Alexandra Coynel</p>
16:10	<p><b><u>TV-73524</u></b></p> <p>Kinetics and adsorption isotherm in Paraquat removal by adsorption process using corncob biochars</p> <p><u>Toan Chi Nguyen</u> and Puangrat Kajitvichyanukul</p>	<p><b><u>TP6 – TV-15225</u></b></p> <p>Trace metals concentrations in various parts of the white hard clam <i>Meretrix lyrata</i> near Sai Gon-Dong Nai River estuary</p> <p><u>Viet Tuan Tran</u>, Khanh Duy Nguyen, Thinh Duc Duong, Nguyen Phuoc Dan, Seunghee Han, Emilie Strady</p>
16:30	<p><b><u>TP4 – TV-31296</u></b></p> <p>Triethanolamine and Oleic acid Assisted Synthesis of Nickel ferrite Magnetic Nanoparticles for degradation of pollutants in aqueous systems</p> <p><u>Raj Mohan Balakrishnan</u> and Simtha C K</p>	<p><b><u>TV-75589</u></b></p> <p>Kinetic and isotherm studies of atrazine adsorption from aqueous solution by hydrochloric acid modified corncob biochars</p> <p><u>Quach An Binh</u> and Puangrat Kajitvichyanukul</p>
16:50	<b><u>TP4 – TV-55153</u></b>	<b><u>TP5 – TV-83147</u></b>

	An Overview of Surfactant Enhanced Electrokinetic Bioremediation Process in Low Permeability Soil  <u>Bimastyaji Surya Ramadan</u> , Dendy Primanandi, Agus Jatnika Effendi, Hadrah, Gina Lova Sari	Uptake of decabromodiphenyl ether (BDE-209) to zebrafish embryos in the presence of SiO <sub>2</sub> nanoparticles  <u>Shu-Ju Chao</u> , Pei-Chung Chen, Chihpin Huang
17:10	<b>TV-43158</b> Anthropogenic influence on surface water quality in the Upper Part of Dong Nai river basin in Vietnam  <u>Hung Pham</u> , Rahman Md. Mostafizur, Nguyen Cong Nguyen, Nguyen V.M Man, Phu Le Vo, Trung Le Van	<b>TP5 – TV-2837</b> Accumulation of free and covalently bound microcystins in freshwater clam <i>Corbicula</i> sp. exposed to cyanobacterial crude extract and toxic intact cells  <u>Thanh-Luu Pham</u> , Kazuya Shimizu, Thanh-Son Dao, Utsumi Motoo
17:30	<b>TV-91466</b> Green analytical spectrophotometric method for mercury(II) determination in artisanal gold mining  <u>Hermin Sulistyarti</u> , Erwin Sulisty, Sri Wardhani, Qonitah Fardiyah, Zuri Rismiarti	<b>TP3 – TV-42520</b> Biochars for PCB pollution remediation in aquatic environment and dermal uptake  <u>Bao-Son Trinh</u> , Phuong T.T. Nguyen, David Werner, Upal Ghosh
18:30	Banquet	

Day 3: Friday, May 19, 2017

8:00 – 8:30 Registration

### Parallel Sessions

Time	Speakers and Topics	
<b>Session 5</b>	<b>Sunflower A</b>	<b>Sunflower B</b>
<b>Session Topic</b>	<b>Environmental Measurement &amp; Monitoring</b>	<b>Environmental Management &amp; Technology</b>
<b>Session Chair</b>	<u>Dr. Khanh An Huynh</u> and <u>Dr. Gopalakrishnan Kumar</u>	<u>Prof. Elodie Moreu-Guigon</u> and <u>Dr. Julien Némery</u>
08:30	<b>TP1 – TV-32291</b> Establishment of purge and trap GC/MS system for the monitoring of volatile organic compound contaminations of surface water  <u>Van Giang Le</u> , Wen-Ming Mao, Chitsan Lin	<b>TV-68873-218</b> Long term operation of pilot water treatment plant using trickling filter followed by pre-ozonation to mitigate disinfection by-product formation for Saigon water river  Le Quang Do Thanh, Kieu Thanh Binh, Le Ngoc Kim Ngan, Nguyen Minh Tri, Phan Bien Vinh Tan, Tran Kim Thach, Nguyen Nhat Huy, Khanh An Huynh, and <u>Nguyen Phuoc Dan</u>
08:45	<b>TV-43072</b> Microalgae consortia cultivation and its bio refinery evaluation	<b>TV-66091</b> Struvite formation from Human urine: Effect of pH and Mg/P molar ratios

Gopalakrishnan Kumar, Menghour Huy, Sang-Hyoun Kim

Le Thi Dieu, Nguyen Thuy Trang, Le Truong Sinh, Nguyen T. Hang, Le T.H. Hanh, Vo T.D. Hien & Bui Xuan Thanh

09:00	<p><b><u>TP1 – TV-42849</u></b></p> <p>Establishment and application of USEPA 8290A method for the analysis of Dioxin/Furans</p> <p><u>Huu-Tuan Tran</u>, Hong-Giang Hoang, Acharee Kaewlaoyoong, Wen-Ming Mao, Chitsan Lin</p>	<p><b><u>TV-31542</u></b></p> <p>Co-anaerobic treatment of urban biodegradable organic waste and sewage using anaerobic membrane bioreactor (AnMBR)</p> <p>Bui Hong Ha, Nguyen Tan Thong, Tran Minh Son, Thai Huynh Chan Phuong, Le Van Tan, <u>Ha Minh Anh</u>, Vo Thanh Hang, Nguyen Phuoc Dan</p>
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09:15	<p><b><u>TP3 – TV-4318</u></b></p> <p>Impact of treated waste water on irrigated soil in Binh Duong, Vietnam – Simulation contaminants transport by Hydrus-1D model</p> <p><u>Dang Vu Xuan Huyen</u>, Dang Vu Bich Hanh, Nguyen Phuoc Dan</p>	<p><b><u>TP4 – TV-47678</u></b></p> <p>Coagulation of Chitin Producing Wastewater from Shrimp Scrap by Chitosan</p> <p><u>Tran Nguyen Van Nhi</u>, Nguyen Tan Phong</p>
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09:30	<p><b><u>TV-73917</u></b></p> <p>Measurement of Ocean Acidification Using a pH Sensor Designed for High Pressure Operation</p> <p>Chaminda Samaranyake, Brian Heskitt, <u>Sudhir Sastry</u></p>	<p><b><u>TP6 – TV-60428</u></b></p> <p>The power of Orbitrap technology based High Resolution Accurate Mass Spectrometry for the analysis of pesticides residues in food products</p> <p>Paul Silcock, Dminic Roberts, Cristian Cojocaru and <u>Sathrugnan Karthikeyan</u></p>
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09:45

Coffee Break

Session Topic	Environmental Mangement & Technology	Environmental Management & Technology
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Session Chair

Dr. Nguyen Nhat Huy and Dr. Pham Thanh Luu

Prof. Mai Tuan Anh and Dr. Trinh Bao Son

10:15	<p><b><u>TP4 – TV-92836</u></b></p> <p>Optimization and Kinetics Modeling of Bioethanol Production from Palm Oil Mill Effluent under Anaerobic Process</p> <p><u>Eng Diamant</u>, Marisa Handajani</p>	<p><b><u>TV-58085</u></b></p> <p>Expression of Haloacid Dehalogenase Gene and Its Protein Characterization from Klebsiella pneumoniae ITB1 for Bioremediation Organohalogen Pollutants</p> <p><u>Ridani Rino Anggoro</u> &amp; Enny Ratnaningsih</p>
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10:30	<p><b><u>TP4 – TV-78188</u></b></p> <p>Synthesis and Characterization of ZnO/Chitosan for Phenol Removal</p> <p>Suprihanto Notodarmojo &amp; <u>Rosa D Panda</u></p>	<p><b><u>TV-68792</u></b></p> <p>Synthesis and Characterization of Superparamagnetic Fe3O4-Alginate Composite Nanoparticles for Cerium (III) Ion Adsorption</p> <p><u>Muhamad Allan Serunting</u></p>
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10:45	<p><b><u>TV-68873-217</u></b></p> <p>Using the CANON process (Completely Autotrophic Nitrogen-removal Over Nitrite) for nitrogen removal from anaerobically digested livestock wastewater</p> <p>Huynh Tuong Vy, Pham Quang Sam, Nguyen Huu Tien, Le Hoang Duy, Doan Viet Huy, <u>Phan</u></p>	<p><b><u>TV-7002</u></b></p> <p>The place and role of chemical optical-fibre sensors and solidsurface luminescent methods in environment</p> <p><u>Smanova Z.A.</u>, Usmanova H.U., Juraev I.I., Gapparov D.D.</p>
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The Nhat, Truong Thi Thanh Van, Nguyen Phuoc Dan

11:00	<b><u>TV-44352</u></b> Mediated electrochemical oxidation of nonylphenol ethoxylate (NPE-10) in batch mode using Ce(IV) mediator ion <u>I Made Adyatmika</u> and Henry Setiyanto	<b><u>TV -8758</u></b> Probiotic bacteria analysis of a bioethanol wastewater treatment pond <u>Chompunuch Glinwong</u> , Supattra Lertsriwong
11:15	Roland Frei Awards for the Best Posters & Closing Ceremony	
12:0	Lunch	

## Day 4: Saturday, May 20, 2017

**Eco Tour – Can Gio Mangrove Biosphere Reserve (HCMC)**

Eco Tour: Start at REX hotel lobby at 8:00 AM

Poster Session

Paper ID	Paper Title & Authors
TP1 – TV-71833	Development of solid phase extraction coupled with LC-MS/MS method for the determination of EDCs in waters <a href="#">Thi Minh Tam Le</a> , <a href="#">Truong An Nguyen</a> , <a href="#">Tuc Quoc Dinh</a> , <a href="#">Thi San Ha Phan</a> , <a href="#">Hong Lan Chi Do</a> , <a href="#">Phuoc Dan Nguyen</a>
TP1 – TV-95890 (2)	Sorbition – photometrical fe(iii) determination by immobilized organic reagents <a href="#">Smanova Z.A.</a> , <a href="#">Kutlimuratova N.H.</a> , <a href="#">Savrieva D.D.</a>
TP2 – TV-78626	Trace metal tidal dynamic in the tidal Saigon-Dong Nai Rivers impacted by the megacity of Ho Chi Minh City <a href="#">Emilie Strady</a> , <a href="#">An T. Nguyen</a> , <a href="#">Joanne Aime</a> , <a href="#">Dinh Quoc Tuc</a> , <a href="#">Nguyen Phuoc Dan</a> , <a href="#">Julien Nemery</a> , <a href="#">Nicolas Gratiot</a> , <a href="#">Tuyet T.N. Nguyen</a>
TP2 – TV-2005	Determination of the residual levels of pyrifluquinazon and its metabolite in butterbur grown under regulated conditions using liquid chromatography-tandem mass spectrometry <a href="#">Han Sol Lee</a> , <a href="#">A. M. Abd El-Aty</a> , <a href="#">Hyung Suk Chung</a> , <a href="#">Md. Humayun Kabir</a> , <a href="#">Md. Musfiqur Rahman</a> , <a href="#">Jae Han Shim</a>
TP2 – TV-2006	Dissipation kinetics, pre-harvest residue limits, and hazard quotients assessment of flubendiamide and fluopicolide in oriental melon ( <i>Cucumis melo</i> L. var. <i>makuwa</i> ) grown under plastic house regulated conditions <a href="#">Md. Humayun Kabir</a> , <a href="#">A. M. Abd El-Aty</a> , <a href="#">Md. Musfiqur Rahman</a> , <a href="#">Sung-Woo Kim</a> , <a href="#">Han Sol Lee</a> , <a href="#">Hyung Suk Chung</a> , <a href="#">Jae-Han Shim</a>
TP2 – TV-2008	An effective methodology for analyzing dinotefuran and its metabolites in plum using liquid chromatography-tandem mass spectrometry <a href="#">Md. Musfiqur Rahman</a> , <a href="#">A. M. Abd El-Aty</a> , <a href="#">Md. Humayun Kabir</a> , <a href="#">Hyung Suk Chung</a> , <a href="#">Han Sol Lee</a> , <a href="#">Jae-Han Shim</a>
TP2 - TV-6786 (1)	Implementation of monitoring strategy to analyze water quality in Saigon River (Vietnam) <a href="#">Tuyet T.N. Nguyen</a> , <a href="#">Julien Némerly</a> , <a href="#">Nicolas Gratiot</a> , <a href="#">Emilie Strady</a> , <a href="#">An T. Nguyen</a> , <a href="#">Joanne Aime</a>
TP2 - TV-19035	Arsenic in shallow aquifers linked to the electromagnetic ground conductivity: the Mekong Delta head case <a href="#">Van Phan T.H.</a> , <a href="#">Timothee Bonnet</a> , <a href="#">Stephane Garambois</a> , <a href="#">Delphine Tisserand</a> , <a href="#">Fabrizio Bardelli</a> , <a href="#">Rizlan Bernier-Latmani</a> , <a href="#">Laurent Charlet</a>
TP2 - TV-61431	Survey methods to investigate thermal comfort parameters of children in primary school buildings <a href="#">Kala Choyimanikandiyil</a>
TP4 - TV-25937	Improvement of septic tank effluent and green coverage by shallow bed wetland roof systems <a href="#">Thi-Dieu-Hien Vo</a> , <a href="#">Thi-Bich-Ngoc Do</a> , <a href="#">Xuan-Thanh Bui</a> , <a href="#">Ngoc-Dan-Thanh Cao</a> , <a href="#">Van-Truc Nguyen</a> , <a href="#">Dinh-Duc Nguyen</a> , <a href="#">Sthiannopkao Suthipong</a> & <a href="#">Chitsan Lin</a>
TP4 - TV-77398 (2)	Effect of different inoculums in the microbial fuel cell process to treat wastewater <a href="#">Khoa L.D. Tran</a> , <a href="#">Dao A. Nguyen</a> , <a href="#">Hoa T. Pham</a>
TP4 - TV-77398	Biosorption of copper using <i>Nannochloropsis oculata</i> , <i>Isochrysis galbana</i> , <i>Ceratophyllum demersum</i> <a href="#">Hai T. Nguyen</a> , <a href="#">Hoa T. Pham</a>
TP4 - TV-86408	Stabilization and solidification of toxic wastes using portland cement and geopolymer binder: a review <a href="#">Tran Huyen Vu</a> , <a href="#">Huy Thanh Vo</a>
TP3 – TV-98926	Photocatalytic removal of phenol from water using titania nanorods synthesized by hydrothermal method <a href="#">Tran Tien Khoi</a> , <a href="#">Hoang Cong Anh Duy</a> , <a href="#">Vinh Nu Dieu Mo</a> , <a href="#">Nguyen Nhat Huy</a>
TP4 -TV-64516	Evaluation of Mutag Biochip™ as carrier in Sequencing Batch Biofilm Reactor <a href="#">Dao Khanh Chau</a> , <a href="#">Nguyen Tan Phong</a>
TP4 -TV-71833	The optimal design and operating parameters for sludge treatment wetland based on the effect of hydraulic resting time, sludge loading rate and vegetation <a href="#">An T. Nguyen</a> , <a href="#">Tam T.M Le</a> , <a href="#">Viet Q. Tran</a> , <a href="#">Vy T.K. Nguyen</a> , <a href="#">Luan T. Nguyen</a> , <a href="#">Minh V. Nguyen</a> , <a href="#">Dinh Quoc Tuc</a>

TV-21789	Evaluation of Down-flow Hanging Media (DHM) Models Performance Employing Bio-sponge, Bio-cord and Bio-cloth as Support Media for Domestic Wastewater Treatment <a href="#">Huynh Tan Nhut, Do Thi Bich Ngoc &amp; Bui Xuan Thanh</a>
TP4 – TV-75793	The integration of Clue-s model and Globio3 model to simulate the change of land-use and biodiversity in Cat Tien district <a href="#">Dinh Thi Kim Phuong</a>
TP4 – TV-99673	Effects of urbanization on the urban heat island in Ho Chi Minh City, Vietnam <a href="#">Nguyen-Thanh Son, Chi-Farn Chen, Cheng-Ru Chen, Bui Xuan Thanh</a>
TV-2010	Bioremediation of Oil Hydrocarbon Contaminated Soil by Tri Sodium Phosphate and Sewage Clay <a href="#">Mohamed Osman Zooalnoon</a>
TP4 – TV-66087	Phthalate fate from wastewater treatment plant to surface water and agricultural soil <a href="#">Bich Chau Tran, Marie-Jeanne Teil, Martine Blanchard, Fabrice Alliot, Marc Chevreuil</a>
TV-66091-207	Effect of antibiotics dosage on the performance of sponge membrane bioreactor treating hospital wastewater <a href="#">Dang Bao Trong, Bui Xuan Thanh, Nguyen Nhu Sang, Nguyen Phan Thai Vy, Vo Thi Kim Quyen, and Dinh Quoc Tuc</a>
TV-66091-227	Effect of organic loading on biogas recovery in pilot-scale two stage anaerobic digestion of organic waste <a href="#">Dang Bao Trong, Nguyen Thuy Truc, Truong Tran Nguyen Sang, Nguyen Kim Tan, Le Thi Ngoc My, Fumitoshi Mukai, Hidemasa Kobayashi, Dinh Quoc Tuc, Nguyen Phuoc Dan and Bui Xuan Thanh</a>
TV-66091-210	Effect of sludge retention time on antibiotics removal in hospital wastewater by sponge membrane bioreactor <a href="#">Luu Vinh Phuc, Do Thi Bich Ngoc, Vo Thi Kim Quyen and Bui Xuan Thanh</a>
TV-66091-212	Composting products from dry leaves and canteen waste food: Effect of C/N ratio on the products characteristics <a href="#">Do Thi Bich Ngoc, Vu Thi Mai Hien, Le Thi Hong Hanh, Le Thi Huong Truc, Bui Xuan Thanh, Tran Thanh Dai, and Cao Thanh Nhan</a>
TV-66091-211	Operational issues and solutions for small-scale supermarket wastewater treatment plants in the south of Vietnam <a href="#">Le Thi Hong Hanh, Do Thi Bich Ngoc, Luu Vinh Phuc, Dang Bao Trong, Nguyen Thanh Tin and Bui Xuan Thanh</a>
TV-68873-215	Application of membrane bioreactor for high hardness strength chitin wastewater <a href="#">Quach Yen Nhi, Dang Hai Hoang Son, Bui Van Thong, Nguyen Pham Khuong Duy, Nguyen Minh Tri, Bui Xuan Thanh, Nguyen Phuoc Dan</a>
TV-68873-216	Assessment of Dissolved Oxygen Control on nitrogen removal in Oxygen Limited Autotrophic Nitrification Denitrification (OLAND) for latex processing wastewater treatment <a href="#">Nguyen Nhu Hien, Truong Thi Thanh Van, Phan The Nhat, Nguyen Minh Tri, and Nguyen Phuoc Dan</a>
TV-66091-223	Development of methods of analysis of pesticide residues in Vietnamese tea by LC/MS/MS and GC/MS/MS combined with QuEChERS extraction and cleanup method, applied to the quality control of export tea <a href="#">Ho Tuan Dat, Ly Tuan Kiet, Tran Thi Nhu Trang, Phu Minh Tan, Le Thanh Tam, Chung Vy Nghiep, and Mai Tuan Anh</a>
TV-66091-224	Removal of direct dye in textile effluent with low cost powdered coconut-shell activated carbon <a href="#">Ratiwun Onrassami, Akapong Suwattanamala, Anek Kaewkrajang</a>
TV-66091-225	Nutrient recovery and microalgae biomass production from urine in Membrane Photobioreactor <a href="#">Phan Nguyen Tra My, Tran Tan Phat, Hoang Muoi, Fiona Collin Clares, Yara Maria Proust &amp; Bui Xuan Thanh</a>
TV-66091-221	Non-carcinogenic risk assessment of btex, formaldehyde and acetaldehyde in indoor air in ho chi minh city <a href="#">Do V.H. Anh, Bui Quang Minh &amp; Pham Hong Nhat</a>
TP1 – TV-95890 (1)	Chemical optical-fibre sensors and sorbtion-fluorometric methods of toxic, rare elements determination in environmental objects <a href="#">Z.A. Smanova, Kh.U. Usmanova</a>
TV-66091-320	Occurrence of PPCPs in water environment of Hanoi, Vietnam <a href="#">Van Dieu Anh, Ngo Huy Thanh, and Huynh Trung Hai</a>

TP2 – TV-2007	The uptake of antibiotics, chlortetracycline, enrofloxacin, and sulfathiazole from soil to radish ( <i>Raphanus sativus</i> L.) <a href="#">Hyung Suk Chung</a> , Y.J. Lee, A. M. Abd El-Aty, Han S. Lee, Md. Musfiqur Rahman, Md. Humayun Kabir, B.J Park, J.E. Kim, and J.H. Shim
TV-66091-321	Single and combined effects of copper and chromium on the growth of duck weed, <i>Lemna minor</i> L <a href="#">Nguyen Vu</a> , <a href="#">Hoang-Phuc Trinh</a> , <a href="#">Thi-Thuy-Trang Nguyen</a> , <a href="#">Diem-Chau Ho</a> , <a href="#">Thi-Thuy-Trang Nguyen</a> , <a href="#">Van-Son Dang</a> , <a href="#">Thanh-Son Dao</a>
TV-66091-322	Determination of PCBs and pesticides content in aquaculture organism in markets in Hochiminh city, Vietnam <a href="#">Nguyen Thi Hong Nhung</a> and <a href="#">Celia joaquim-justo</a>

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