



### Conference Program – Oral Presentation Schedule

#### Session 1: Chemical Process and Engineering (CPE), Room 902

Date	Time	Code	ID	Title	Presenter	Organization
November 30 <sup>th</sup> 2015	<b>Chairmans: - Dr. Vu Dinh Tien (Hanoi University of Science and Technology, Vietnam) - Assoc. Prof. Rozita Yusoff (University Malaya, Malaysia)</b>					
	13h30-13h50	CPE1	146	Ultrafiltration of dilute sugarcane molasses	Michelle Almendrala	De La Salle University, Philippines
	13h50-14h10	CPE2	19	Conductive film by spray pyrolysis of self-reducing copper-silver amine complex solution	Soorathep Kheawhom	Chulalongkorn University, Thailand
	14h10-14h30	CPE3	289	Production of Valuable Chemicals from Hydrothermal Treatment of Oil Palm Empty Fruit Bunch	Ahmad Tawfiequrrahman Yuliansyah	Universitas Gadjah Mada (Yogyakarta), Indonesia
	14h30-14h50	CPE4	288	Simulations on the Effect of Base Angles and Surface Roughness on the Hydrodynamics and Heat Transfer within Trapezoidal Microchannels	Kristian July Yap	University of the Philippines Diliman, Philippines
	14h50-15h10	CPE5	50	Hydrodynamic characteristics of multi-walled carbon nanotubes in the gas-solid fluidized beds	Sung Woo Jeong	Sungkyunkwan university, Korea
	15h10-15h30	CPE6	46	Long-Term Stability of a Mixed Culture Cultivation Reactor for PHA Accumulating Organisms using Crude Glycerol as Substrate	Ainil Hawa Mohamad Fauzi	University of Malaya, Malaysia
November 30 <sup>th</sup> 2015	<b>Chairmans: - Assoc. Prof. Phan Dinh Tuan (HCMC University of Natural resource and Environment, Vietnam) - Dr. Ahmad Tawfiequrrahman Yuliansyah (Universitas Gadjah Mada (Yogyakarta), Indonesia)</b>					
	16h00-16h20	CPE7	53	Oxidation purification of	Jaehoon Lee	Sungkyunkwan

				nanodiamonds in a gas-solid fluidized bed reactor			university, Korea
	16h20-16h40	CPE8	54	Attrition characteristics of iron ore in gas-solid fluidized beds	Dong	Hyun Kang	Sungkyunkwan university, Korea
	16h40-17h00	CPE9	57	Effects of internal on bubble size in the gas-solid bubbling fluidized beds	Keon	Bae	Sungkyunkwan university, Korea
	17h00-17h20	CPE10	52	Effect of distributor types and gas properties on gas holdup in bubble column	Jun	Young Kim	Sungkyunkwan university, Korea
	17h20-17h40	CPE11	51	CPFD Simulation on the Takeover Velocity in a Gas-Solid Fluidized Bed with Binary Solids Mixture	Jong	Hun Lim	Sungkyunkwan university, Korea
<b>December 1<sup>st</sup> 2015</b>	<b>Chairman: - Assoc. Prof Soorathep Kheawhom (Chulalongkorn University, Thailand)</b> <b>- Assoc. Prof. Tran Trung Kien (Hanoi University of Science and Technology, Vietnam)</b>						
	8h30-8h50	CPE12	287	Preparation of granular solid ,material for the chlorination of titania slag	Tuan	Phan Dinh	HCMC University of Natural resource and Environment, Vietnam
	8h50-9h10	CPE13	248	Thermal decomposition of the waste for fuel oil production	Tho	Van Dinh Son	Hanoi University of Science and Technology, Vietnam
	9h10-9h30	CPE14	283	Separation Of Carbon Dioxide From Flue Gas via Gas Hydrate Formation/Dissociation	Ngoc	Nguyen Nguyen	The University of Queensland, Australia
	9h30-9h50	CPE15	236	Production of Unfired brick from Lam Dong soil and red mud	Ha	Huynh Ky Phuong	Ho Chi Minh City University of Technology, Vietnam



**Session 2: Catalysis Adsorption and Environmental Engineering (CAT & ENG), Room 923**

Date	Time	Code	ID	Title	Presenter	Organization
November 30 <sup>th</sup> 2015	<b>Chairman: - Dr. Ardiyan Harimawan (Institut Teknologi Bandung, Indonesia) - Assoc. Prof. Huynh Trung Hai (Hanoi University of Science and Technology, Vietnam)</b>					
	13h30-13h50	ENV1	41	Characteristic of Biocorrosion on Carbon Steel by Single Microbial Cultures	Ardiyan Harimawan	Institut Teknologi Bandung, Indonesia
	13h50-14h10	ENV2	118	Innovation to recycle SiO <sub>2</sub> -sourced solid waste in Glass and Rice Ash Industry and Society	Kien Pham Trung	Ho Chi Minh City University of Technology, Vietnam
	14h10-14h30	ENV3	120	Process Performance and Stability of Enhanced Biological Phosphorus Removal at Tropical Temperatures	Phiak Kim Poh	University of Malaya, Malaysia
	14h30-14h50	ENV4	125	Evaluation the Effect of Clay Particle and Flow Speed Velocity on Nitrogen Transformation of Freshwater System	Anh Tuan Truong	Ho Chi Minh City University of Technology, Vietnam
	14h50-15h10	ENV5	181	Optimization of heavy metal ions removal by activated scallop shell using response surface methodology	Tuan-Anh Nguyen	Ho Chi Minh City University of Technology, Vietnam
	15h10-15h30	ENV6	144	Interaction of Nitrogen and Suspended Sediment on Water Quality of Saigon River	Thanh Lam Phan	Ho Chi Minh City University of Technology, Vietnam
November 30 <sup>th</sup> 2015	<b>Chairman: - Prof. Vasile Parvulescu (University of Bucharest, Romania) - Assoc. Prof. Pham Thanh Huyen (Hanoi University of Science and Technology, Vietnam)</b>					
	16h00-16h20	CAT1	23	Synthesis of N-doped ZrO <sub>2</sub> for photocatalytic degradation of recalcitrant dyes	Hanggar a Sudrajat	Thammasat University, Thailand
	16h20-16h40	CAT2	114	Preparation of titania nanotubes and its application for indoor NO <sub>x</sub> removal by photocatalysis	Huy Nguyen Nhat	Ho Chi Minh City University of Technology, Vietnam

	16h40-17h00	CAT3	<b>130</b>	Photocatalytic Degradation of Methylene Blue from Water using Nanocrystalline Lanthanum doped TiO <sub>2</sub>	Teku	Muhammad Asnawi	Syiah Kuala University, Indonesia
	17h00-17h20	CAT4	<b>48</b>	Roles of Double-Sodium salts and Water in MgO Composites for CO <sub>2</sub> Capture at Intermediate Temperatures	Anh-Tuan	Vu	Hanoi University of Science and Technology, Vietnam
	17h20-17h40	CAT5	<b>269</b>	The effect of the acidity and porosity of zeolites Y and MCM-22 on its catalytic performance in the conversion of $\alpha$ -pinene	Ly	Giang Thi Phuong	Hanoi University of Science and Technology, Vietnam
<b>December 1<sup>st</sup> 2015</b>	<b>Chairman: - Dr. Nuttapol Lerkkasemsan (Faculty of Chemical Engineering – KMITL, Thailand) - Assoc. Prof. Vu Duc Thao (Hanoi University of Science and Technology, Vietnam)</b>						
	8h30-8h50	ENV7	<b>290</b>	Water footprint of shampoo product in Thailand	Nuttapol	Lerkkasemsan	Faculty of Chemical Engineering – KMITL
	8h50-9h10	ENV8	<b>79</b>	The Influence of Illumination Changes on CO <sub>2</sub> Bio-Fixation and Growth Kinetic of <i>Aphanothece</i> sp	Ardiyan	Harimawan	Institut Teknologi Bandung, Indonesia
	9h10-9h30	ENV9	<b>102</b>	Using Fluorescence Quenching Method to Study Arsenic Binding Potential with Dissolved Organic Matters	Dung	Nguyen	International School - Thai Nguyen University, Vietnam
	9h30-9h50	ENV10	<b>87</b>	Molecular Level Characterization of Dissolved Organic Matter in Aquatic Samples by Fourier Transformation Ion Cyclotron Resonance Mass Spectrometry	Tien Tai	Nguyen	Institute of Chemistry, VAST
	9h30-9h50	ENV11	<b>144</b>	Interaction of Nitrogen and Suspended Sediment on Water Quality of Saigon River	Lam	Phan Thanh	Ho Chi Minh City University of Technology, Vietnam

**Session 3: Natural Products and Organic Chemistry (NAT), Room 816**

Date	Time	Code	ID	Title	Presenter	Organization
November 30 <sup>th</sup> 2015	<b>Chairman: - Prof. Kotohiro Nomura (Tokyo Metropolitan University, Japan)</b> <b>- Prof. Tran Van Sung (Institute of Chemistry, Vietnam Academic Science &amp; Technology, Vietnam)</b>					
	13h30-13h50	NAT1	203	Highly Effective Decomposition of Perfluorinated Compounds (PFCs) by UV-persulfate Oxidation in A Continuous – Flow Reactor	Hung Nguyen Duy	Kyoto University, Japan
	13h50-14h10	NAT2	73	Coating solution from tamarind gum for lime (Citrus aurantifolia)	Wancheng Sittikijyothin	Burapha University, Thailand
	14h10-14h30	NAT3	291	Bisvanillin and bis aryl ether scaffolds for elaboration of antiatherogenic agents; synthesis and biological activities.	Michel Baltas	Director of Research, CNRS; LSPCMIB, UMR, France
	14h30-14h50	NAT4	45	Long Term Stability of a Mixed Culture Cultivation Reactor for PHA Accumulating Organisms using Crude Glycerol as Substrate	Ainil Hawa Mohamad Fauzi	University of Malaya, Malaysia
	14h50-15h10	NAT5	72	Bio-based ligands and additives for catalytic reactions using gossypol isolated from Vietnam cotton seed	Markus Vogt	Leibniz Institute for Catalysis, Germany
	15h10-15h30	NAT6	199	SESQUITERPENES FROM MARINE SPONGE <i>Dysidea fragilis</i>	Tai Bui Huu	Institute of marine biochemistry, Vietnam Academic Science & Technology, Vietnam
November 30 <sup>th</sup> 2015	<b>Chairman: - Prof. Michel Baltas (Director of Research, CNRS, France)</b> <b>- Dr. Adeline Chua Seak May (University of Malaya, Malaysia)</b>					
	16h00-16h20	NAT7	132	Assessment of Bioactive Compounds of Indigenous Fruits in Cambodia	Pisey Lim	Institute of Technology of

						Cambodia, Cambodia
16h20-16h40	NAT8	<b>42</b>	Antibacterial properties of Gac ( <i>Momordica cochichinensis</i> spreng) and Siam weed ( <i>Chromolaena odorata</i> ) extracts for cotton gauze coating	Bussaba	Phonyotin	Burapha University, Thailand
16h40-17h00	NAT9	<b>273</b>	Optimization of the extraction process of tannin from the bark of Acacia species planted in Quang Nam province - Viet Nam	Hai	Le Tu	Da Nang University of Education, Vietnam
17h00-17h20	NAT10	<b>200</b>	Extraction and separation of sulfate polysaccharide from <i>hormophysa articulata</i> with organic cationites as extractant	Nguyen	Bui Van	Khanh Hoa University, Vietnam
17h20-17h40	NAT11	<b>257</b>	Bi-functional dyeing and UV protection on silk fabric dyed with Eucalyptus leaf and mangrove bark extracts	Huong Mai	Bui	Ho Chi Minh City University of Technology, Vietnam



**Session 4: Food and Biotechnology (BIO), Room 702**

Date	Time	Code	ID	Title	Presenter	Organization
November 30 <sup>th</sup> 2015	<b>Chairman: - Dr. Wanwipa Siriwatwecha (Thammasat University, Thailand)</b> <b>- Assoc. Prof. To Kim Anh (Hanoi University of Science and Technology, Vietnam)</b>					
	13h30-13h50	BIO1	170	Biosensors Designed for Environmental and Food Quality Control	Camelia Bala	University of Bucharest, Rumaini
	13h50-14h10	BIO2	142	Potential Antimicrobial and Antioxidant Activities of Plant Leaves in Cambodia	Mith Hasika	Institute of Technology of Cambodia, Cambodia
	14h10-14h30	BIO3	56	Optimization of Ultrasonic and Microwave Assisted Techniques for the Extraction of Bioactive Compounds from Java Tea Leaves	Chan Chung-Hung	University of Malaya, Malaysia
	14h30-14h50	BIO4	292	Development of Bio-based Anti-Scalants in Sugar Processing Industry	Wanwipa Siriwatwecha kul	Thammasat University, Thailand
	14h50-15h10	BIO5	218	Improving the survival of Lactobacillus acidophilus in acidic environment with the presence of Saccharomyces cerevisiae	Nguyen Han Le	Ho Chi Minh City University of Technology, Vietnam
	15h10-15h30	BIO6	262	In Vivo Test: Effect of NaFeEDTA Fortificant in Tofu Flour on Iron Absorption in Blood of Rat (Rattus novergicus L.) Spraque Dawley	Nova Anita	University of Indonesia, Indonesia
November 30 <sup>th</sup> 2015	<b>Chairman: - Dr. Wanwipa Siriwatwecha (Thammasat University, Thailand)</b> <b>- Dr. Chu Ky Son (Hanoi University of Science and Technology, Vietnam)</b>					
	16h00-16h20	BIO7	179	Effects of ultrasonic treatments on sulforaphane extract yield	Hang Duong Thi Thu	Hanoi University of Science and Technology,



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				from some kind of Vietnam Cruciferae		Vietnam
	16h20-16h40	BIO8	<b>28</b>	Using Linearly Increase Temperature To Estimate Shelf Life Applied To Fresh Firm Soy Tofu	Nguyet Nguyen Thi Minh	Industrial University of Ho Chi Minh City, Vietnam





**Session 5: Biofuel, Energy (ENG) and Advanced materials (MAT), Room 303**

Date	Time	Code	ID	Title	Presenter	Organization
November 30 <sup>th</sup> 2015	<b>Chairman: - Prof. Mitsuru Itoh (Tokyo Institute of Technology, Japan)</b> <b>- Assoc. Prof. Mai Thanh Tung (Hanoi University of Science and Technology, Vietnam)</b>					
	13h30-13h50	MAT1	24	New Challenges of Multilayer Nano-Films	Jinkee Hong	Chung Ang University, Korea
	13h50-14h10	MAT2	272	Effects of gypsum modified by stearic acid on properties and morphology of HDPE/EVA/Gypsum composites	Mai Tran Thi	Institute for Tropical Technology, Vietnam Academy of Science and Technology, Vietnam
	14h10-14h30	MAT3	190	Preparation of mixed ZnAl <sub>2</sub> O <sub>4</sub> and SiO <sub>2</sub> from rice husk of Oriza sativa var glutinosa for sorption of metanil yellow	Sal prima Yudha S	University of Bengkulu, Indonesia
	14h30-14h50	MAT4	93	Porous Mullite-Alumina Ceramic with Torrefied Rice Husk as a Pore-Forming Agent and Silica Source	Minh Vu	Hanoi University of Science and Technology, Vietnam
	14h50-15h10	MAT5	271	Synthesis and characterization of hydroxyapatite nanorods: Effect of surfactant concentration and hydrothermal time on their morphology	Giang Luu Truong	Hanoi University of Science and Technology, Vietnam
	15h10-15h30	MAT6	118	Innovation to recycle SiO <sub>2</sub> -sourced solid waste in Glass and Rice Ash Industry and Society	Kien Pham Trung	Ho Chi Minh University of Technology, Vietnam
November 30 <sup>th</sup> 2015	<b>Chairman: - Dr. Le Minh Vien (Ho Chi Minh City University of Technology, Vietnam)</b> <b>- Assoc. Prof. Penjit Srinophakun (Kasetsart University, Thailand)</b>					
	16h00-16h20	ENG1	293	Microbial Oil Production: the alternative of biodiesel raw material	Penjit Srinophakun	Kasetsart University, Thailand
	16h20-16h40	ENG2	25	Prediction of Standard Heat of	Nor Alafiza	Universiti Teknologi



				Combustion using Group Contribution Method	Yunus	Malaysia, Malaysia
	16h40-17h00	ENG3	80	Enhancement of Biogas Production from Shrimp Pond Sediment by Using Activated Carbon	Yanisa Laoong-U-Thai	Burapha University, Thailand
	17h00-17h20	ENG4	27	Synthesis and ionic conducting study of In <sup>3+</sup> - Doped Cerium Pyrophosphate electrolyte for proton conducting fuel cells	Vien Le Minh	Ho Chi Minh City University of Technology, Vietnam
<b>December 1<sup>st</sup> 2015</b>	<b>Chairman: - Prof Kunio Yoshikawa (Tokyo Institute of Technology, Japan) - Assoc. Prof. Van Dinh Son Tho (Hanoi University of Science and Technology, Vietnam)</b>					
	8h30-8h50	ENG5	284	Innovative Japanese Technologies for Waste-to-Green Product Conversion	Yoshikawa Kunio	Tokyo Institute of Technology, Japan
	8h50-9h10	ENG6	26	Holistic Implementation of a Sustainable Energy Management Programme	Zainuddin Abdul Manan	Universiti Teknologi Malaysia, Malaysia
	9h10-9h30	ENG7	244	Current status of bioenergy research activities at Hanoi University of Science and Technology	Tho Van Dinh Son	Hanoi University of Science and Technology, Vietnam