

SYMPOSIUM PROGRAM

Venue: Ta Quang Buu Library, Hanoi University of Science and Technology

Hanoi, November 13 - 15th 2019

13rd Nov 2019 16:00-17:30	STEERING COMMITTEE MEETING (invited only) Room 201A, C4 Building
14th Nov 2019	CONFERENCE DAY
	RECEPTION AND OPENING, Conference Hall, 10th Floor
7:30-8:30	Reception
8:30-9:00	Opening remark and welcome speech
	Prof. Dinh Van Phong, Vice president, HUST
	Prof. Shu-Yii Wu, President IAHE Biohydrogen Division; <i>Chimica Verde Bionet Asia Pacific Association</i>
9:00-12:00	PLENARY SESSION, Conference Hall, 10th Floor
9:00-9:30	Green synergy solution for future <i>Prof. Shu-Yii Wu, President IAHE Biohydrogen Division; Chimica Verde Bionet Asia Pacific Association</i>
9:30-10:00	Biorefinery: the Thai experience <i>Assoc Prof. Klanarong Sriroth, Director of Mitr Phol Group, Thailand</i>
10:00-10:10	Photo session
10:10-10:30	COFFEE BREAK
10:30-11:00	Application of deep learning for bio-energy (TBC) <i>Prof. Jun Miyake, Osaka University, Japan</i>
11:00-11:30	A path from zero to hero: biohythane production technology and its applications in self-sustained community <i>Assoc. Prof. Andrew, Chen-Yeon Chu, Fengchia University, Taiwan</i>
11:30-12:00	Challenges in downstream processing of bio-products; energetic and economic aspects <i>Prof. Wolfgang M. Samhaber, Johannes Kepler University Linz, Austria</i>
12:00-12:30	Energy transition and development prospects for renewable energy in Vietnam <i>Assoc. Prof. Pham Hoang Luong, HUST.</i> Vice Chairman, Key State Science and Technology Program on Energy of Vietnam (KC.05/16-20)
12:30-13:30	LUNCH, Ta Quang Buu Library, 10th Floor

13:30-17:15	<p align="center">SCIENTIFIC SESSIONS</p> <p>Session 01: Biomass resources, Biohydrogen, Biogas and biofuel - Room 923</p> <p>Session 02: Fermentation and BioProcess - Room 901</p> <p>Session 03: Biomass process and refinery for energy and bioproducts - Room 902</p>
15:00-15:30	COFFEE BREAK AND POSTER SESSION
13:30-17:30	<p align="center">WORKSHOP: ADDING VALUES TO SUGAR INDUSTRY IN VIETNAM</p> <p align="center">Room 702 (invited only)</p>
18:00-20:30	GALA DINER
15 th Nov 2019	SCIENTIFIC SESSION
8:45-11:30	<p>Session 01: Biomass resources, Biohydrogen, Biogas and biofuel (cont.) - Room 702</p> <p>Session 04: Bioenergy sustainability and bioeconomy-LCA - Room 902</p>
10:00-10:30	COFFEE BREAK AND POSTER SESSION
11:45-13:00	LUNCH, 10 th Floor
13:00-18:00	TECHNICAL TOUR: HABECO Brewery (registered only)
18:00	Return to the Hotel

Day 1: 14th November 2019

SCIENTIFIC SESSION

13:30-17:15	Session 01: Biomass resources, Biohydrogen, Biogas and biofuel (Room 923) <i>Chair: Prof. Alissara Reungsang</i> <i>Assoc. Prof. Nguyen Lan Huong</i>	Session 02: Fermentation and BioProcess (Room 901) <i>Chair: Prof. Qiang Liao</i> <i>Assoc. Prof. Le Thanh Ha</i>	Session 03: Biomass process and refinery for energy and bioproducts (Room 902) <i>Chair: Dr. Peer Mohamed</i> <i>Assoc. Prof. Tran Lien Ha</i>
13:30-13:45	BE-01: Influence of silicone immobilized cell on biohydrogen production in <i>Rhodobacter sphaeroides</i> .	BP-02: The effects of alcohols on pore diameter of biocellulose during the membrane formed process.	BR-04: Direct bio-butanol production from cellulosic material by the co-cultivation of white rot fungus and bacterium.
13:45-14:00	BE-16: Smart usage of salt: reduction of methane emission during the storage and enhancement of biogas production during anaerobic digestion of pig slurry.	BP-03: Enhancing microalgae harvesting of cationic starch flocculation by electrolysis flotation.	BR-05: Bioaugmentation application in cattle slaughterhouse wastewater treatment for biomass production.
14:00-14:15	BE-17: Substrates substitutions of photosynthetic and other bacteria for hydrogen economic purposes using batch culture system with photo- or dark-fermentation processes.	BP-04: Iron (II) phthalocyanine supported on heavy oil soot as the catalysts for microbial fuel cells.	BR-06: Ethanol production from cassava pulp by pre-hydrolysis and simultaneous saccharification and fermentation using immobilized enzymes and cells.
14:15-14:30	BE-04: Efficiency and economic benefit evaluation of dark- and photo fermentative biohydrogen production by fancy production efficiency methods and computable general equilibrium model integrated methodology in major circular economies.	BP-05: Effect of anode proton transport on cyclic voltammetry test in microbial fuel cell.	BR-07: Simultaneous production of hydrogen and ethanol from co-digestion of glycerol waste with algal biomass.
14:30-14:45	BE-05: Furfural tolerant biohydrogen producing bacteria: Isolation and characterization.	BP-14: Submerged fermentation of <i>Trametes versicolor</i> (YunZhi mushroom) polysaccharopeptide.	BR-12: The electro coagulation system with modified electrodes for the removal of cadmium and chromium III in wastewater.
14:45-15:00	Q&A	Q&A	Q&A
15:00-15:30	COFFEE BREAK AND POSTER SESSION		

	Chair: Dr Ao Xia Dr. Dr. Dwi Susilaningsih	Chair: Prof. Am JANG Assoc. Prof. Le Thanh Ha	Chair: Assoc. Prof. Apilak Salakkam Dr. Pham Tuan Anh
15:30-15:45	BE-07: Stimulating direct interspecies electron transfer via foamed nickel supplement to enhance anaerobic digestion.	BP-06: In situ visualization of biofilm formation in a microchannel for a microfluidic microbial fuel cell anode	BR-03: Enzymatic destructuration of different types of lignocellulose matrix: rheolometry, granulometry and hydrolysis kinetic.
15:45-16:00	BE-08: Continuous anaerobic co-digestion between alcoholic fermentation wastewater and glycerol waste to produce gaseous biofuel.	BP-07: Proton exchange membrane water electrolysis system—effect of pretreatment before electro-coated for ti anode support.	BR-08: Isolation of thermo-tolerant fresh water green microalgae as potential feedstocks for biofuel production in the tropical and subtropical area.
16:00-16:15	BE-10: Improvement of biogas production by sulfate removal in skim latex serum (sls) using rubber wood ash.	BP-09: Anti-oxidative and anti-tyrosinase activities of collagen peptides derived from vietnamese commercial catfish (<i>pangasius hypophthalmus</i>) gelatin.	BR-09: Dual stage peroxide oxidation process in cellulose extraction from oil palm empty fruit bunch: Effect of cellulose fiber composition and structure on thermal properties analysis.
16:15-16:30	BE-11: Enhancing bio-hydrogen and methane production by co-digestion of <i>Chlorella</i> sp. with cassava pulp.	BP-11: Characterization and Identification of Lipid Producing Microalgae Isolated from Belitung Island, Indonesia.	BR-10: Cellulose regeneration using ionic liquid from direct dissolution of lignocellulosic biomass.
16:30-16:45	BE-12: Multi-enzyme pretreatment of <i>Chlorella</i> sp. biomass for biohydrogen production.	BP-12: Mining enzymes from <i>Geobacillus</i> sp. pk12 for bioethanol synthesis under consolidated bioprocessing.	BR-11: Production and application of the magnetic cellulose from pineapple peel.
16:45-17:00	BE-13: Co-digestion of biogas effluent and filter cake for methane production: optimization of substrate proportions.	BP-13: Optimization of cultivation medium for CMCase production from <i>Bacillus subtilis</i> G4.	BR-15: Study on organic calcium production from crustaceans harvested in Quang Ninh Province by using organic acids.
17:00-17:15	BE-15: Life cycle assessment of two-stage biohydrogen and biomethane production from palm oil mill effluent.	SB-08: Diversity of oleaginous yeast newly isolated and their intracellular lipid accumulation ability.	BP-08: Effect of torrefaction, hydrothermal carbonization and degradative solvent extraction on moisture adsorption and spontaneous combustion characteristics of biomass.
17:15-17:30	Q&A	Q&A	Q&A

Day2: 15th November 2019

8:45-11:30	Session 01: Biomass resources, Biohydrogen, Biogas and biofuel (Room 702) <i>Chair: Prof. Alex Chang</i> <i>Prof. Seoktae Kang</i>	Session 04 Bioenergy sustainability and bioeconomy-LCA (Room 902) <i>Chair: Prof. Chen-Yeon Chu</i> <i>Assoc. Prof. Nguyen Thi Anh Tuyet</i>
8:45-9:00	BE-14: Pre-treatment of palm oil mill effluent for biohydrogen production and bacterial community analysis via next gene sequencing.	SB-01: Evaluate energy efficiency in road transportation activities of Vietnam.
9:00-9:15	BR-13: Semi-continuous from solid-state anaerobic co-digestion empty fruit bunches with palm oil mill effluent: A case study on the effect of hydraulic retention time.	SB-02: Economic feasibility of biomass power plant based on short rotation acacia on post mining land in Halong city.
9:15-9:30	SP-01: Enhanced acidogenesis by using Multi-walled carbon nanotubes (MWNT) in anaerobic digester.	SB-04: Life cycle evaluation of GHG bio-energy.
9:30-9:45	SB-03: Enhanced methane conversion efficiency using conductive permeable electrode in microbial electrosynthesis system.	SB-06: The environmental impact of symbiosis energy system to the community.
9:45-10:00	Q&A	Q&A
10:00-10:30	COFFEE BREAK AND POSTER SESSION	
	<i>Chair: Prof. Jamaliah Md Jahim</i> <i>Dr. Prawit KONGJAN</i>	<i>Chair: Prof. Dong-Hoon Kim</i> <i>Assoc. Prof. Van Dinh Son Tho</i>
10:30-10:45	BE-03: Multi-walled carbon nanotubes (MWNTs) enhanced the conversion of organic sulfur compounds to gaseous sulfur.	SB-07: The utilization of coconut husk for synthesis gas production and industrial wastewater treatment.
10:45-11:00	BE-18: Hydrogen sulfide removal from biogas by using recycled water absorption for concentration latex factory.	SP-05: A self-assembly 3D macroporous (GO)/Fe ₃ O ₄ biocathode enhance the performance of CO ₂ reduction to CH ₄ .
11:00-11:15	BE-19: Biomass and polyurethane co-gasification for syn-gas production.	BP-10: Enhanced anaerobic digestion of phenol via electrical energy input.
11:15-11:30	BE-21: Biogas upgrading from hydrogen gas in dark fermentation by two-stage anaerobic digestion process.	BE-09: Patent analysis of technology development in water electrolysis by renewable energy based on TRIZ method.
11:30-11:45	Q&A	Q&A

POSTER PRESENTATION

DAY 1: 14th November 2019, 15:00-15:30

DAY 2: 15th November 2019, 10:00-10:30

ID	Title
P-01	Effect of ethanol on biogas production from beverage wastewater
P-02	Effect of acidification time on anaerobic methane production from chicken manure
P-03	Integration of CO ₂ electrocatalysis for efficient syngas production in biological conversion to ethanol
P-04	Cultivation and use of <i>Chlorella</i> sp. biomass as feedstock for hydrogen and methane production
P-05	Screening of oleaginous yeast from Vietnamese environment
P-06	Color control from soybean fermentation wastewater by carbon-based adsorbents
P-07	One-step synthesis of fluorescent carbon dots from lemon juice for adsorption of methylene blue
P-08	Research, designing and manufacturing the equipment of pyrolysis for producing charcoal with the raw material from waste wood and renewable – planted wood.
P-09	Characterization of complete genome sequence and rubber degradation genes of <i>Actinoplanes</i> sp. strain OR16
P-10	Identification of microbial communities associated with coal in the red river basin, Vietnam
P-11	Influence of electrostatic field on the bioelectrochemical conversion of coal to methane
P-12	Ab initio simulation of hcl leaching during catalytic hydrolysis over cellulase-mimetic solid acid catalyst using density functional theory
P-13	Effect of pre-treatment methods on solubilization and anaerobic biodegradability of co-substrate of piggery wastewater and kitchen waste
P-14	Effect of organic loading rate on the hydrogen production in microbial electrolysis cells
P-15	Performance of UASB reactor for natural rubber processing wastewater treatment using cultivated polyvinyl alcohol gel beads
P-16	Two-stage biogas production from swine manure in commercial field

P-17	The effect of reactor volume ratio of the dark and photo-fermentation on the bio-hydrogen production
P-18	Producing Bioethanol and organic manure from cashew apple
P-21	Beta-Carotene fermentation using <i>Rhodotorula</i> sp. on food industrial byproduct
P-22	Thermophilic anaerobic co-digestion of <i>Chlorella</i> sp. with empty fruit bunch for biohydrothane production
P-23	Inoculum acclimation improves food waste utilization for high methane production
P-24	Study on cellulase biosynthesis by thermophilic <i>Streptomyces Thermoviolaceus</i> CX9 and the enzyme properties
P-25	Enhanced anaerobic digestion of long chain fatty acid by adding magnetite and carbon nanotube materials
P-26	Enhancement of lignocellulose enzymatic hydrolysis using a novel bionic flexible reactor
P-27	Polyhydroxybutyrate (PHB) production by co-culture of <i>Acinetobacter junii</i> BP25 and <i>Aeromonas hydrophila</i> using wastewater derived from Bio-hydrogen production
P-28	Biogas upgrading with trickling pall ring filter
P-29	Effects of auxiliary bio-electrochemical reactor on methane production and electrochemical impact in anaerobic digestion reactor
P-30	Bio-electrochemical activation of methanogenesis through SMA test and ANOVA
P-31	Immobilization of <i>Chlorella sorokiniana</i> in polyvinyl alcohol for nutrient removal and biomass collection
P-32	Application of forward osmosis process to concentrate volatile fatty acids from anaerobic digestion
P-34	Pretreated microalgal waste as the source for bio-hydrogen production
P-35	Two-stage thermophilic biohydrothane production from palm oil mill effluent by two-ring reactor
P-36	Enhancement of hydrogen production through a mixed culture from anaerobic bacteria
