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| **Day 1: Wednesday 16th October 2013** |
| 14:00-17:00 |    **Registration** - *Reception desk at 1st floor, tower wing* |
| 17:00-18:30 |    **Poster set-up** - *Poster area, 3rd floor* |

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| **Day 2: Thursday 17th October 2013** |
| 08:00-09:00 |    **Registration** - *Pre-function area, 3rd floor***/** **Poster set-up** - *Poster area* |
| 09.00-09.20 |    **Welcome & Opening Remarks** - *Grand Ballroom****\****   • Opening address Dr. Penjit Srinophakun, President of the Thai Society for Biotechnology    • Welcome address by President of King Mongkut’s University of Technology North Bangkok    • Opening address by President of Kasetsart University |
| 09.20-09.55 |

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| **Keynote Lecture I:** | **Bioeconomy and New Bioproduction Systems*\**** |
| *(Grand Ballroom)* | Prof. An-Ping Zeng (Hamburg University of Technology, Germany) |

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| 09.55-10.30 |

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| **Keynote Lecture II:** | **The Changing Role of Technology and Engineering in Agro-Industrial Business*\**** |
| *(Grand Ballroom)* | Prof. Keshavan Niranjan (University of Reading, United Kingdom) |

 |
| 10:30-11:00 |    **Coffee Break / Poster & Exhibition Viewing** - *Poster area & Exhibition area* |
| 11:00-11:35 |

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| **Keynote Lecture III:** | **High-efficient expression and molecular modification of lipoxygenase and alkaline amylase** |
| *(Grand Ballroom)* | Prof. Guocheng Du (Jiangnan University, China) |

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| 11:35-12:30 |

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| **Taguchi Prize Announcement and Presentation*\**** |
| **Ajinomoto Award Announcement and Presentation*\**** |
| *(Grand Ballroom)* |

 |
| 12:30-13:30 |    **Lunch Break** - *Grand Panorama, 14th floor*    **Lunch talk by Ajinomoto \*** |
| 13:45-15:45 | **Ploypailin Room** | **Bussaracum Room** | **Grand Ballroom I** |
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| **Joint Symposium I:**Bioproducts and Systems Biotechnology (I) |
| **Chair:**Assoc. Prof. Woo-Kul Lee |
| **Co-chair:**Assist. Prof. Sasithorn Kongruang |
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| **1.** |

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| **Professor Glenn M. Young,***University of California Davis, USA.* |
| Injection of Proteins by Bacteria into Mammalian Cells to Manipulate Cellular Activities. |

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| **2.** |

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| **Sasithorn Kongruang,***King Mongkut's University of Technology North Bangkok,Thailand* |
| Statistical strategy for optimization of xanthan gum using response surface methodology. |

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| **3.** |

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| **Theerawut Phusantisampan,***King Mongkut's University of Technology North Bangkok,Thailand* |
| Haplotype analysis of common variants in the RET gene and risk of sporadic hirschsprung disease. |

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| **4.** |

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| **Malinee Sriariyanun,***King Mongkut's University of Technology North Bangkok,Thailand* |
| Ionic liquid-assisted conversion of lignocellulosic biomass into fermentable sugars for biogas production. |

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| **5.** |

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| **Rawiwun Thongthawee,***King Mongkut's University of Technology North Bangkok,Thailand* |
| Optimization of pretreatment process to boost biogas production from water hyacinth. |

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| **6.** |

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| **Sirinapa Pangjanda,***Mahasarakham University, Thailand.* |
| Characterization of bacterial cellulase from soils. |

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| **Joint Symposium II:**Jatropha Updates 2013 (I) |
| **Chair:**Dr. Shashi Bhushan Tripathi |
| **Co-chair:**Dr. Kunn Kangvansaichol |
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| **1.** |

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| **Dr. Peerasak Srinives,***Kasetsart University, Thailand.* |
| Domesticating Jatropha for High Seed Yield, Woody Biomass and Ornamental Purpose Through Interspecific Hybridization. |

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| **2.** |

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| **Dr. Sujatha Mulpuri,***Crop Improvement Section, Directorate of Oilseeds Research, India.* |
| Advancement in Jatropha Biotechnology. |

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| **3.** |

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| **Thanyarat Phengnuam,***King Mongkut’s University of Technology Thonburi, Thailand.* |
| Anti-oxidant and anti-angiotensin-I-converting enzyme activities of protein hydrolysates obtained from Jatropha curcas seed cake. |

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| **4.** |

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| **Kitsirirat Koonkuer,***Kasetsart University, Thailand.* |
| Improvement of CaO catalysts derived from eggshells using a hydration technique for transesterification of crude Jatropha oil. |

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| **Session 4 (I):**Food Biotechnology and Food Safety |
| **Chair:**Dr. Georges Srzednicki |
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| **1.** |

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| **Dr. Georges Srzednicki,***University of New South Wales, Australia.* |
| Changes to Properties of Major Grain Crops During Storage. |

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| **2.** |

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| **Zhao Jin,***Jiangnan University, China.* |
| Comparative proteomic analysis of metabolic proteins in barley *(Hordeum vulgare*) malts with distinct quality. |

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| **3.** |

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| **Chaowaree Adthalungrong,***Silpakorn University, Thailand.* |
| L-(+)-Lactic acid production from sweet potato by *Lactobacillus casei* TISTR 453. |

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| **4.** |

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| **Krittiya Khuenpet,***Kasetsart University, Thailand.* |
| Effect of the sweeteners on the qualities of vanilla ice cream. |

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| **5.** |

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| **Assist. Prof. Saowakon Wongsasulak,***King Mongkut's University of Technology North Bangkok,Thailand* |
| Bio Based Ultrafine Fibers: Fabrication and Potential Application in Foods. |

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| **6.** |

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| **Proyphon Lertwanawatana,***University of Reading, UK.* |
| Effects of concentration, temperature and time on yields of resistant starch type III from debranched cassava starch |

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| **7.** |

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| **Naruemol Anuniwat,***Kasetsart University, Thailand.* |
| The effects of frying and drying conditions on the quality and drying kinetics of fried shallots. |

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| **Grand Ballroom II** | **Prakaipetch Room** | **Morakot Room** |
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| **Session 7 (I):**Molecular Biology and Bioinformatics |
| **Chair:**Dr.Kittipong RattanapornDr. Hemant K. Gautam |
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| **1.** |

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| **Yilmaz Kaya,***Universiti Teknologi Malaysia, Malaysia.* |
| Transformation of *Nicotiana tabacum*with newly constructed plant transformation vector for herbicide tolerant. |

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| **2.** |

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| **Jeremy R. Shearman,***National Center for Genetic Engineering and Biotechnology (BIOTEC), National Science and Technology Development Agency, Thailand.* |
| Fusion transcript causing cytoplasmic male sterility in rubber tree. |

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| **3.** |

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| **Nattaya Pinweha,***Mahidol University, Thailand.* |
| Differential expression of miRNAs in response to anthracnose disease in cassava *(Manihot esculenta Crantz.)*. |

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| **4.** |

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| **Pichahpuk Uthaipaisanwong,***Kasetsart University, Thailand.* |
| Development and characterization of single nucleotide polymorphism markers in *Elaeis guineensis*(Arecaceae). |

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| **5.** |

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| **Siripat Jansuriyakul,***King Mongkut’s University of Technology Thonburi (Bang Khun Thian Campus)* |
| Thailand. Identification of the zinc cluster regulator involved in lipid utilization of the yeast *Saccharomyces cerevisiae*. |

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| **6.** |

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| **Xin Zhuge,***Jiangnan University, China.* |
| Development of a *Propionibacterium-Escherichia coli* shuttle vector as a useful tool for metabolic engineering of*Propionibacterium jensenii*, an efficient producer of propionic acid. |

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| **7.** |

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| **Photchanathorn Prombun,***Mahidol University, Thailand.* |
| Simple visual detection of*Macrobrachium rosenbergii* nodavirus based on reverse transcription loop-mediated isothermal amplification and DNA-functionalized gold nanoparticle as a probe. |

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| **8.** |

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| **Ekkachai Kittiloespaisan,***Mahidol University, Thailand.* |
| Fluorescent detection of loop-mediated isothermal amplification of DNA by xanthene-based chemosensor. |

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| **Session 2 (I):**Biomaterials and Nanobiotechnology |
| **Chair:**Prof. Nobuo Sakairi |
| **Co-chair:**Dr. Prakit Sukyai |
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| **1.** |

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| **Wimol Phoudee,***Silpakorn University. Thailand.* |
| Protein-based hydrogel as wound dressings |

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| **2.** |

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| **Sahlan Muhamad,***Universitas Indonesia, Kampus UI Depok, Indonesia.* |
| Nanoencapsulation of Andrographis paniculata extract by casein micelle as antidiabetic preparation. |

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| **3.** |

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| **Dr. Narin Kaabbuathong Bioplastic-based advance material,***Hokkaido University, Japan.* |
| Facile Synthesis of Chitin and Chitosan Derivatives for Environmental and Biological Application. |

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| **4.** |

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| **Supasit Chooklin,***Rajamangala University of Technology Srivijaya, Tungyai, Thailand.* |
| Potential use of antimicrobial film with crude bacteriocin for food packaging. |

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| **5.** |

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| **Thanyarat Poothawan,***Khonkhaen University, Thailand.* |
| Extraction and characterization of chitin and chitosan from fairy shrimp (*Streptocephalus sirindhornae*Sanoamuang, Murugan, Weekers and Dumont, 2000) |

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| **6.** |

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| **Benjamas Chanpuek,***Mahidol University, Thailand.* |
| Screening and isolation of polyhydroxyalkanoates (PHAs)-producing bacteria from Thai soils. |

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| **7.** |

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| **Lalita Ponmanee,***Kasetsart University, Thailand.* |
| Polylactic acid (PLA) derived from fermentative lactic acid and its degradability. |

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| **Session 5 (I):**Industrial Biotechnology and Bioprocess Engineering |
| **Chair:**Prof. Rainer Jonas |
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| **1.** |

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| **Bin Zhen,***Jiangnan University,* |
| China. A method for separation and purification of ε-poly-L-lysine from fermentation broth. |

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| **2.** |

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| **Jinjing Wang,***Jiangnan University, China.* |
| Genetic breeding of lager brewing yeast with low acetaldehyde production and improved flavor. |

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| **3.** |

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| **Huan Zhang,***Jiangnan University, China.* |
| Extractive fermentation by coupling use of surfactant and in situ extractant for enhancing production of Antrodin C from*Antrodia camphorata.* |

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| **4.** |

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| **Jun Zhang,***Jiangnan University, China.* |
| Enhanced production of Monacolin K by addition of precursors and surfactants in submerged fermentation of Monascus purpureus 9901. |

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| **5.** |

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| **Bing-Jie Jiang,***Jiangnan University, China.* |
| High Monacolin K production by solid-state fermentation of *Monascus purpureus.* |

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| **6.** |

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| **Xiner Li,***Jiangnan University, China.* |
| Strengthening of cell wall enhances stress resistance and fermentation performance in lager yeast. |

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| **7.** |

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| **Kansuporn Sriyudthsak,***RIKEN Center for Sustainable Resource Science. Japan.* |
| Establishment of a method for prediction of a metabolic pathway using glycolysis pathway of *Lactococcus lactis* as a case study. |

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| **8.** |

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| **Artit Kongkaew,***Suranaree University of Technology, Thailand.* |
| Pilot scale extractive ethanol fermentation from blackstrap molasses using vacuum fractionation technique. |

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| 15:45-18:00 |

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| **Coffee Break / Poster & Exhibition Viewing -***Exhibition area and Poster area*   • Poster Session 1: 16:00-17:00 Posters ending in an Odd-number.    • Poster Session 2: 17:00-18:00 Posters ending in an Even-number. |
| \* *All poster presenters must be present at your poster at the appointed time.* |

 |
|    **16:30-17:30 - 25th TSB annual meeting** - *Ploypailin Room Room* |
| 18:00-22:00 |    **Conference Banquet** - *Grand Panorama, 14th floor* |

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| ***\** Highlighted programme** |
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| **Day 3: Friday 18th October 2013** |
| 08:00-09:00 |    **Registration** - *Pre-function area, 3rd floor* |
| 09.00-09.35 |

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| **Keynote Lecture IV:** | **Hybridization of bisphosphonate with calcium phosphate for the multi-functionalization of porous scaffold for bone substitute *\**** |
| *(Grand Ballroom)* | Assoc. Prof. Woo-Kul Lee (Dankook University, South Korea) |

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| 09.35-10.10 |

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| **Keynote Lecture V:** | **Products from microalgae *\**** |
| *(Grand Ballroom)* | Prof. Yusuf Chisti (Massey University, New Zealand) |

 |
| 10:10-10:40 |    **Coffee Break / Poster & Exhibition Viewing** - *Poster area & Exhibition area* |
| 10:40-11:30 | **Ploypailin Room** | **Bussaracum Room** | **Grand Ballroom I** |
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| **Session 8 (I):**Other Related Areas |
| **Chair:**Dr. Kobkul Laoteng |
| **Co-chair:**Ms. Quiping Wang |
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| **1.** |

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| **Piyanan Chomnawang,***Rajamangala University of Technology Isan, Thailand.* |
| A method for the protoplast isolation from*Anthurium andraeanum*. |

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| **2.** |

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| **Punsa Tobwor,***National Center for Genetic Engineering and Biotechnology (BIOTEC), National Science and Technology Development Agency, Thailand.* |
| Analysis of hydroxy fatty acids in the black tiger shrimp *Penaeus monodon.* |

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| **3.** |

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| **Dr. Kobkul Laoteng,***National Center for Genetic Engineering and Biotechnology (BIOTEC), National Science and Technology Development Agency, Thailand.* |
| Biotechnological Production of Lipid-based Products by Integrated Approach. |

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| **Session 1 (I):**Bioenergy and Biomass |
| **Chair:**Assist. Prof. Pramuk Parakulsuksatid |
| **Co-chair:**Prof. Sawitri Chuntranuluck |
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| **1.** |

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| **Ye Ni,***Jiangnan University, China.* |
| Continuous Butanol Fermentation from Renewable Sugar-Based Feedstocks by *Clostridium saccharobutylicum* DSM 13864. |

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| **2.** |

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| **Prawit Kongjan,***Prince of Songkla University (Pattani Campus), Thailand.* |
| Bio-butanol production from macro algae and water lettuce |

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| **3.** |

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| **Muhammad Nur Cahyanto,***Gadjah Mada University, Indonesia.* |
| Presence of Inhibitors to Anaerobic Digestion in Rotten Fruits. |

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| **4.** |

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| **Naruemon Rakchai,***Prince of Songkla University, Thailand.* |
| Screening, isolation and medium optimization of cell-bound lipase producing fungi for biodiesel production. |

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| **5.** |

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| **Assoc. Prof. Klanarong Sriroth,***Kasetsart University, Thailand.* |
| Lignocellulosic Ethanol: The Long and Wide Road in Biotechnology. |

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| **6.** |

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| **Yothaka Puchcha,***Kasetsart University, Thailand.* |
| Optimization of microalgal biomass and lipid production under heterotrophic cultivation. |

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| **Session 5 (II):**Industrial Biotechnology and Bioprocess Engineering |
| **Chair:**Assoc. Prof. Wirat Vanichsriratana |
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| **1.** |

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| **Lei Lei Aung,***King Mongkut’s University of Technology Thonburi, Thailand.* |
| Removal of color from rice bran oil using acid-activated kaolin. |

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| **2.** |

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| **Min-Jie Gao,***Jiangnan University, China.* |
| Two-stage fault diagnosis of *Pichia pastoris* fermentation based on an auto-associative neural network. |

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| **3.** |

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| **Zhi-Yong Zheng,***Jiangnan University, China.* |
| A newly isolated *Escherichia hermannii*able to produce a fucose-containing exopolysaccharide. |

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| **4.** |

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| **Chaniga Chuensangjun,***Kasetsart University, Thailand.* |
| Optimization of PLA synthesis with lipase-catalyzed polymerization using Taguchi method. |

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| **5.** |

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| **Professor Busaba Yongsmith,***Kasetsart University. Thailand.* |
| Improvement of Monascus Yellow Pigment Production by Protoplast Mutation and Intraspecific Protoplast Fusion. |

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| 11:30-12:15 |

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| **Joint Symposium I:**Bioproducts and Systems Biotechnology (II) |
| **Chair:**Assist. Prof. Sasithorn Kongruang |
| **Co-chair:**Assoc. Prof Woo-Kul Lee |
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| **1.** |

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| **Siripan Buala,***Mahasarakham University, Thailand.* |
| Isolation of cellulase producing-bacteria from fecal matter of deer. |

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| **2.** |

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| **Patchanee Yasurin,***Assumption University, Thailand.* |
| Characterization for efficient biofuel production of cellulase producing bacteria isolated from Thai natural sources. |

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| 10:40-12:15 | **Grand Ballroom II** | **Prakaipetch Room** | **Morakot Room** |
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| **Session 7 (II):**Molecular Biology and Bioinformatics |
| **Chair:**Dr. Wanilada Rungrassamee |
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| **1.** |

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| **Dr. Wanilada Rungrassamee,***National Center for Genetic Engineering and Biotechnology (BIOTEC), National Science and Technology Development Agency, Thailand.* |
| Bacterial Population Analysis in Intestines of the Black Tiger Shrimp. |

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| **2.** |

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| **Jyoti Joshi,***Mahidol University, Thailand.* |
| Identification of bacterial agent(s) for acute hepatopancreatic necrosis syndrome, a new emerging shrimp disease. |

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| **3.** |

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| **Thitiporn Thammasorn,***Mahidol University, Thailand.* |
| Therapeutic effect of *Artemia* enriched with Escherichia coli expressing double-stranded RNA in shrimp*Penaeus monodon* |

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| **4.** |

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| **Khin Nyein Chan,***King Mongkut’s University of Technology Thonburi, Bangkhutien, Thailand.* |
| Multiplex PCR for a rapid screening of*Spodoptera exigua* multicapsid nucleopolyhedrovirus (SeMNPV) defective mutants. |

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| **Session 2 (II):**Biomaterials and Nanobiotechnology |
| **Chair:**Dr. Anyaporn Boonmahitthisud |
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| **1.** |

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| **Professor Nobuo Sakairi,***Hokkaido University Japan. Facile synthesis of chitin and chitosan derivatives for environmental and biological application* |
| Bioplastic-based Advance Material. |

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| **2.** |

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| **Ittinet Intapan,***Kasetsart University, Thailand.* |
| Physical properties of bacterial cellulose from Tomato juice medium produced by *Gluconacetobacter xylinus.* |

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| **3.** |

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| **Paveenuch Kittitheeranun,***Nanotechnology Center, National Science and Technology Development Agency, Thailand.* |
| Polyelectrolyte nanocapsules for sustained loading and release of anti-cancer drug. |

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| **4.** |

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| **Seubsakul Phuegyod,***Mahidol University, Thailand.* |
| Fabrication and characterization of tetracycline-loaded polyhydroxybutyrate (PHB) microspheres incorporated into 3D porous polycaprolactone (PCL) scaffolds and *in vitro* biocompatibility evaluation with human periodontal ligament fibroblasts (hPDLs). |

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| **5.** |

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| **Naiyasit Yingkamhaeng,***Kasetsart University, Thailand.* |
| Nanocellulose extracted from rambutan peel obtained by uncatalyzed-steam explosion and chemical treatment |

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| **Session 6 :**Medical and Pharmaceutical Biotechnology |
| **Chair:**Assoc. Prof. Chuenchit Boonchird |
| **Co-chair:**Dr. Suparerk Borwornpinyo |
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| **1.** |

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| **Pichayada Somboon,***King Mongkut’s University of Technology Thonburi, Thailand.* |
| Examination of antifungal activity of crude extracts from wood-decay fungi *Xylaira*spp. against Saccharomyces cerevisiae and *Candida albicans.* |

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| **2.** |

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| **Sirilak Baramee,***King Mongkut’s University of Technology Thonburi, Thailand.* |
| The antifungal activity of cinnamon oil against the yeasts *Saccharomyces cerevisiae* and *Candida albicans.* |

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| **3.** |

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| **Dr. Suparerk Borwornpinyo,***Mahidol University, Thailand.* |
| Cell and Gene Therapy for β-Thalassemia. |

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| **4.** |

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| **Soroush Yourdkhani,***Islamic Azad University, Garmsar Branch, Iran.* |
| Effects of oral administration of levothyroxine on serum concentrations of thyroid hormones in cross-bred Beetal goats. |

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| **5.** |

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| **Voravuth Somsak,***Western University, Thailand.* |
| Antimalarial effect of *Andrographis paniculata* extract on mice infected with*Plasmodium berghei* parasite. |

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| **6.** |

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| **Adisak Romsang,***Mahidol University, Thailand.* |
| Iron-sulfur cluster homeostasis: a global regulatory network is essentialfor stress responses and virulence in*Pseudomonas aeruginosa.* |

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| 12:15-13:10 |    **Lunch Break** - *Gran Panorama, 14th floor* |
| 13:10-13:30 | **Ploypailin Room** | **Bussaracum Room** | **Grand Ballroom I** |
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| **Session 5 (III):**Industrial Biotechnology and Bioprocess Engineering |
| **Chair:**Assit. Prof. Dr. Vichai Leelavatcharamas |
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| **1.** |

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| **Siwaporn Wannawilai,***Kasetsart University, Thailand.* |
| Economical xylitol production from sugarcane bagasse hydrolysate using*Candida magnoliae* TISTR 5663. |

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| **2.** |

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| **Gazi Sakir Hossain,***Jiangnan University, China.* |
| One-step biosynthesis of α-ketoglutaric acid from L-glutamic acid by an immobilized whole-cell biocatalyst expressing L-amino acid deaminase from *Proteus mirabilis*. |

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| **3.** |

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| **Dararat Mongkolkarn,***Kasetsart University, Thailand.* |
| Production of fructooligosaccharides using two-step fed-batch fermentation by *Aspergillus niger* TISTR 3570. |

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| **4.** |

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| **Supichar Wattanaprasert,***Chulalongkorn University, Thailand.* |
| Preparation of oligosaccharides from konjac glucomannan solution used as natural coating material for spray drying process. |

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| **5.** |

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| **Sunantha Ketnawa,***Mae Fah Luang University, Thailand.* |
| Three-phase partitioning and application of alkaline proteases derived from fish viscera. |

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| **6.** |

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| **Afsheen Aman,***University of Karachi, Pakistan.* |
| Starch saccharification: Characterization of glucoamylase produced by wild and mutant strains of *Bacillus licheniformis.* |

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| **Joint Symposium I:**Bioproducts and Systems Biotechnology (III) |
| **Chair:**Assist. Prof. Sasithorn Kongruang |
| **Co-chair:**Assoc. Prof. Woo-Kul Lee |
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| **1.** |

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| **Suvaluk Asavasanti,***King Mongkut’s University of Technology Thonburi, Thailand.* |
| Influence of temperature and electric field strength on plant tissue integrity during ohmic treatment. |

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| **2.** |

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| **Zonmie Khim Aung,***Mahidol University, Thailand.* |
| Cytoprotective effect of a pure compound from *Curcuma comosa* on hydrogen peroxide induced neuronal cell death: Involvement of NRF-2. |

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| **3.** |

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| **Dr. Churdchai Cheowtirakul,***Assumption University, Thailand.* |
| Trend in Bio and Nano-technology for Protecting the Health and Beauty of Aging People. |

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| **4.** |

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| **Suramate Chalermwisutkul,***Kingmongkut’s University of Technology North Bangkok, Thailand.* |
| Customized microwave sensing and heating systems for biodiesel research. |

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| **5.** |

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| **Nittaya Jiamvoraphong,***Mahidol University, Thailand.* |
| Effect of the novel compounds isolated from *Curcuma comosa* in lipopolysaccharide-induced microglial activation. |

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| **6.** |

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| **Jirapa Phetsom,***Mahasarakham University, Thailand.* |
| Implementation of HACCP to pasteurized milk production lines: determination of microbial contamination. |

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| **7.** |

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| **Treuktongjai Saenghiruna,***Assumption University, Thailand.* |
| A comparison of the individual antibacterial activity of Thai red curry paste’s ingredients in dry and fresh states against *Listeria monocytogenes*10403S using different extraction conditions. |

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| **8.** |

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| **Thidarat Udchachonand,***Assumption University, Thailand.* |
| Natural antibacterial activity against*Salmonella enterica* Enteritidis of Thai red curry paste in coconut milk based (kang-kati) Model Thai red curry. |

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| **9.** |

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| **Viyada Kunathigan,***Assumption University, Thailand.* |
| The study of yeasts in aged fruit wine and their potential for improving the quality of fruit wine. |

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| **Session 4 (II):**Food Biotechnology and Food Safety |
| **Chair:**Dr. Georges Srzednicki |
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| **1.** |

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| **Titaporn Tumpanuvatr,***Kasetsart University, Thailand.* |
| Comparison between ohmic and conventional heating for pineapple and longan in sucrose solution. |

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| **2.** |

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| **Pakavit Mathatheeranan,***Mahidol University, Thailand.* |
| Effect of alpha-ketoglutaric acid on higher alcohols formation in model system of soy sauce fermentation. |

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| **3.** |

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| **Suppachot Chaiyo,***Chiang Mai University, Thailand.* |
| Occurrence of *Listeria monocytogenes* in raw meats and meat products in Chiang Mai Province. |

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| **4.** |

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| **Wanida Chareemuy,***King Mongkut’s University of Technology Thonburi, Thailand.* |
| Influence of hydrothermal pre-treatment on dehulling efficiency of soybeans. |

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| **5.** |

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| **Molnapat Songpim,***Kasetsart University, Thailand.* |
| Optimizing acceptability of ready-to-drink prebiotic-fiber garcinia herbal juice. |

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| **6.** |

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| **Raveeporn Jirayucharoensak,***Kasetsart University, Thailand.* |
| The use of silicon dioxide and propylene glycol to improve the characteristics of inulin powder produced by spray drying. |

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| **7.** |

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| **Professor Keshavan Niranjan,***University of Reading, UK.* |
| Biocomposites for Passive and Active Food Packaging. |

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| 14:40-15:45 |

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| **Session 3 (II):** Environmental and Agricultural Biotechnology |
| **Chair:**Prof. Rainer Jonas |
| **Co-chair:**Assist. Prof. Nuttakan Nitayapat |
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| **1.** |

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| **Professor Rainer Jonas,***Helmholtz Centre for Infection Research, Germany.* |
| Aspects of the Future of Agrotechnologies. |

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| **2.** |

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| **Nuchnapa Kotabin,***Kasetsart University, Kamphaeng Sean campus, Thailand.* |
| Effect of γ-polyglutamic acid on growth of rice cultivated in cadmium contaminated environment. |

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| **3.** |

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| **Chui Yao The,***Universiti Putra Malaysia, Malaysia.* |
| *In vitro* rice shoot apices as target explants to investigate the effects of osmoprotectants against salinity stress. |

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| **4.** |

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| **Md. Mahbubur Rahman,***Universiti Putra Malaysia, Malaysia.* |
| Production of transgenic callus lines of rubber (*Hevea brasiliensis* Muell. Arg.) by using established embryogenic callus cultures through *Agrobacterium*- mediated genetic transformation. |

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| 13:30-14:00 | **Grand Ballroom II** | **Prakaipetch Room** | **Morakot Room** |
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| **Joint Symposium II:**Jatropha Updates 2013 II |
| **Chair:**Dr. Sujatha Mulpuri |
| **Co-chair:**Dr. Boosaree Titapiwatanakun |
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| **1.** |

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| **Dr. Shashi Bhushan Tripathi,***The Energy and Research Institute, India.* |
| Developing Genetic Resources and Tools in Jatropha for Biotech Assisted Improvement. |

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| **2.** |

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| **Dr. Kunn Kangwalsaichol,***PTT Research and Technology Institute, PTT PLC, Thailand.* |
| *Jatropha curcas*: PTT development direction |

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| **3.** |

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| **Isara Sooksathan,***Kasetsart University, Thailand.* |
| Jatropha cultivation: lessons from pruning and intercropping experiments. |

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| **Session 3 (I):**Environmental and Agricultural Biotechnology |
| **Chair:**Prof. Kensuke Furukawa. |
| **Co-chair:**Assist. Prof. Nuttakan Nitayapat |
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| **1.** |

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| **Professor Kensuke Furukawa,***Beppu University (formely of Kyushu University), Japan.* |
| Engineering of Degradative Bacteria for Degradation of Environmental pollutants. |

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| **2.** |

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| **Onruthai Pinyakong,***Chulalongkorn University, Thailand.* |
| Diversity and abundance of bacteria and dioxygenase genes involved in polycyclic aromatic hydrocarbon degradation from Sichang Island. |

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| **3.** |

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| **Sambath Hong,***King Mongkut’s University of Technology Thonburi, Bangkhunthian, Thailand.* |
| Methane emission from floor pit and open anaerobic lagoon of pig manure. |

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| **Session 7 (III):**Molecular Biology and Bioinformatics |
| **Chair:**Assoc. Prof. Mariena Ketudat-Cairns |
| **Co-chair:**Assoc. Prof. Vichien Leelavacharamas |
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| **1.** |

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| **Dr. Hemant K. Gautam,***CSIR-Institute of Genomics and Integrative Biology, India.* |
| Advances in Microbiome Research: Future analytical approaches to investigate and control of various diseases |

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| **2.** |

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| **Weina Xu,***Jiangnan University, China.* |
| A DNA microarray for larger brewer's yeast: changes in global gene expression in the process of autolysis. |

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| **3.** |

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| **Kultara Krataithong,***Silpakorn University, Thailand.* |
| Identification of epiphytic yeast on rice leaves population in Thailand based on molecular biological techniques. |

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| **4.** |

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| **Apirat Tangwong-o-thai,***Silpakorn University, Thailand.* |
| Identification of epiphytic yeast from sugarcane leave phyllospheres using PCR and RFLP techniques. |

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| **5.** |

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| **Supaluk Tantong,***Chulalongkorn University, Thailand.* |
| Gene coexpression network analysis raises a number of antimicrobial peptides involved in plant defense. |

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| **6.** |

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| **Wirulda Pootakham,***National Center for Genetic Engineering and Biotechnology (BIOTEC), National Science and Technology Development Agency, Thailand.* |
| Development of a microsatellite-based linkage map for the identification of quantitative trait loci governing vertical growth in oil palm (*Elaeis guineensis*). |

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| **7.** |

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| **Gumpanat Mahipant,***Chulalongkorn University, Thailand.* |
| Development of genome integration method in isolated gram-positive*Bacillus subtilis.* |

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| **8.** |

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| **Porranee Keawram,***Silpakorn University, Thailand.* |
| Growth kinetics and t-RNA fingerprints of seven hyperthermophilic bacteria belonging to order thermotogales, isolated from three hot springs in Thailand. |

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| **9.** |

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| **Yan Huang,***Jiangnan University, China.* |
| Breeding of *Monascus*with high pigment production by complex mutation. |

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| 14:00-15:50 |

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| **Session 8 (II):**Other Related Areas |
| **Chair:**Dr. Kobkul Laoteng |
| **Co-chair:**Ms. Quiping Wang |
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| **1.** |

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| **Pacharawan Deenarn,***National Center for Genetic Engineering and Biotechnology (BIOTEC), National Science and Technology Development Agency, Thailand.* |
| Insight into the effects of prostaglandin E2 on ovary maturation in the black tiger shrimp *Penaeus monodon*. |

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| **2.** |

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| **Dr. Kittipong Rattanaporn,***Kasetsart University, Thailand.* |
| Quantitative RNA Analysis of a Viral Amplicon-based System for Transient Recombinant Human Therapeutic Protein Production in Plant Tissue. |

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| **3.** |

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| **Efendi Oulan Gustav Hakim Nata Buana,***Brawijaya University, Indonesia.* |
| Exploration of newly isolated bacteriophage from beef tripe and chicken intestine as biosanitizing agent for controlling biofilm formation. |

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| **4.** |

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| **Tanapak Inyod,***Kasetsart University, Thailand.* |
| Selection of *Macrocybe crassa* for mushroom production. |

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| **5.** |

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| **Namfon Panjanapongchai,***Kasetsart University, Thailand.* |
| Optimization of the concentrated liquid biofertilizer production |

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| **6.** |

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| **Chew Tin Lee,***, Universiti Teknologi Malaysia, Malaysia.* |
| Enzymatic assay for the compost from oil palm empty fruit bunch inoculated with *Rhodopseudomonas palustris* |

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| **7.** |

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| **Ms. Quiping Wang,***Yunan Agricultural University, China.* |
| Mechanism and Characterization of Pu-erh Tea by Solid State Fermentation. |

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| 15:50-16:10 |    **Closing/ Coffee Break** -Grand Ballroom |
| 16:30-21:00 | **Leave for dinner and Performance at Calypso Show, Asiatique** (tickets included for international participants)    Get on the bus in front of the hotel. |
| 22:30 | **Arrive back at the hotel** |

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| ***\** Highlighted programme** |
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| **Day 4: Saturday, October 19th, 2013** |
| 07:00-16:00 |    **Excursion (Route I or II)**(tickets included for international participants)   More details on '[EXCURSION](http://www.tsb2013.kasetsart.org/Excursion.html)' page |

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