

## ICBioE 2013 PROGRAMME

<b>Day 1: Tuesday 2 July 2013</b>				
<b>08.00 - 09.00</b>	<b>Registration</b>			
<b>09.00 -10.00</b>	<b>Opening Ceremony</b>			
<b>10.00 -10.30</b>	<b>Tea Break</b>			
<b>10.30 -11.20</b>	<b>Congress Keynote Speaker #1</b> 3Ws: WATER, WEALTH, WISDOM Prof. Dato' Seri Ir. Dr. Zaini Ujang Secretary General II, Ministry of Education, Government of Malaysia Venue: Manhattan III Chairperson: Prof. Dr. Zahangir			
<b>11.20-12.10</b>	<b>Congress Keynote Speaker #2</b> Venue: Manhattan III			
<b>12.10-1.00</b>	<b>Congress Keynote Speaker #3</b> Venue: Manhattan III			
<b>13.00 - 14.00</b>	<b>Prayer and lunch break</b>			
<b>14.00 - 14.50</b>	<b>Congress Keynote Speaker #4</b> Venue: Manhattan III			
<b>15.00- 16.20</b>	<b>ICBioE 2013 Parallel Sessions</b>			
Venue:	Bronx IV	Bronx V	Manhattan VIIIA	Manhattan VIIIB
<b>16.20-16.35</b>	<b>Tea Break</b>			
<b>16.35-17.35</b>	<b>ICBioE 2013 Parallel Sessions</b>			
Venue:	Bronx IV	Bronx V	Manhattan VIIIA	Manhattan VIIIB
<b>20.00 -22.00</b>	<b>Conference Dinner</b>			
<b>Day 2: Wednesday 3 July 2013</b>				
<b>09.30 -10.30</b>	<b>ICBioE 2013 KEYNOTE SESSIONS 5</b>			
Venue:	Bronx V			
<b>10.30-11.00</b>	<b>Tea Break</b>			
<b>11.00 - 13.00</b>	<b>ICBioE 2013 Parallel Sessions</b>			
Venue:	Bronx IV	Bronx V	Manhattan VIIIA	Manhattan VIIIB
<b>13.00-14.00</b>	<b>Prayer and Lunch break</b>			
<b>14.00-15.00</b>	<b>ICBioE 2013 Parallel Sessions</b>			
Venue:	Bronx IV	Bronx V	Manhattan VIIIA	Manhattan VIIIB
<b>15.00-15.30</b>	<b>Tea Break</b>			
<b>15.30-17.30</b>	<b>ICBioE 2013 Parallel Sessions</b>			
Venue:	Bronx IV	Bronx V	Manhattan VIIIA	Manhattan VIIIB
<b>Day 3, Thursday 4 July 2013</b>				
<b>09.00 - 9.45</b>	<b>ICBioE 2013 KEYNOTE SESSIONS 6</b>			
Venue:	Bronx V			
<b>10.00 - 10.30</b>	<b>ICBioE 2013 Parallel Sessions</b>			
Venue:	Bronx IV	Bronx V	Manhattan VIIIA	Manhattan VIIIB
<b>10.30-11.00</b>	<b>Tea Break</b>			
<b>11.00 - 13.00</b>	<b>ICBioE 2013 Parallel Sessions</b>			
Venue:	Bronx IV	Bronx V	Manhattan VIIIA	Manhattan VIIIB
<b>13.00-13.30</b>	<b>Closing of Conferences</b>			

<b>ICBioE 2013 Parallel Technical Sessions I, Tuesday 2 July 2013: 15.00 – 16.20</b>				
<b>IA: Bioenvironmental Engineering [BEE]</b>				
<b>Chairperson: Prof. Dr. Suleyman Aremu Muyibi</b>		<b>Co-chair: Dr. Raha Ahmad Raus</b>		<b>Venue: Bronx IV</b>
<b>15.00 – 15.15</b>	<b>15.15 – 15.30</b>	<b>15.30 – 15.45</b>	<b>15.45 – 16.00</b>	<b>16.00-16.15</b>
<p><b>ID 1005: TECHNO-ECONOMIC ASSESSMENT OF BIOGAS TECHNOLOGY IN NIGERIA: A CASE STUDY OF NORTHWEST, KANO STATE</b>  <i>Mohammed Lawal Attanda, Mohammed Shu'aibu Abubakar, Mubarak Inuwa and Mohammed Haruna</i>  <i>Bayero University, Kano-Nigeria</i></p>	<p><b>ID 1007: BIO DIESEL WASTE MANAGEMENT- A REVIEW</b>  <i>Omar Bashir Wani, Moina Athar</i>  <i>Aligarh Muslim University, India</i></p>	<p><b>ID 1008: LANDFILL LEACHATE TREATMENT TECHNOLOGY: A REVIEW</b>  <i>Mohd Baharudin Ridzuan<sup>1</sup>, Nur Fatimah Mohd Hanafi<sup>1</sup>, Zawawi Daud<sup>1</sup>, Zulkifli Ahmad<sup>1</sup>, Zulfairul Zakariah<sup>2</sup></i>  <sup>1</sup>University Tun Hussein Onn Malaysia  <sup>2</sup>UiTM, Malaysia</p>	<p><b>ID 1011: COLOR AND COD REMOVAL FROM PALM OIL MILL EFFLUENT (POME) USING RESIN: FIXED-BED COLUMN ADSORPTION</b>  <i>Mustapha.Mohammed Bello<sup>1</sup>, Luqman Chuah Abdullah<sup>2</sup>, Mohsen Norzaei<sup>2</sup></i>  <sup>1</sup>BayeroUniversity Kano, Nigeria  <sup>2</sup>UPM, Malaysia</p>	
<b>IB: Biomolecular Engineering [BME]</b>				
<b>Chairperson: Prof Dr. Mohd. Ismail Abd. Karim</b>		<b>Co-chair: Assoc. Prof. Dr. Mohammed Saedi Jami</b>		<b>Venue: Bronx V</b>
<b>15.00 – 15.15</b>	<b>15.15 – 15.30</b>	<b>15.30 – 15.45</b>	<b>15.45 – 16.00</b>	<b>16.00-16.15</b>
<p><b>ID 1032: DEVELOPMENT OF POLY (A) -TAILED UNIVERSAL REVERSE TRANSCRIPTION PCR METHOD FOR SEQUENCE –INDEPENDENT AMPLIFICATION OF REARRANGED BOVINE ROTAVIRUS</b>  <i>Elham Ahmadi<sup>1</sup>, Hoorieh Soleimanjahi<sup>1</sup>, Majid Sadeghzadeh<sup>2</sup>, Ali Teimoori<sup>1</sup></i>  <sup>1,2</sup>Tarbiat Modares University, Tehran, Iran</p>	<p><b>ID 1033: THE REGULATION OF P73 IN CISPLATIN-INDUCED APOPTOSIS IN OVARIAN CANCER CELLS</b>  <i>Shadia Al Bahlani<sup>1</sup> and Benjamin Tsang<sup>2</sup></i>  <sup>1</sup>Sultan Qaboos University, Muscat, Oman  <sup>2</sup>Ottawa Hospital Research Institute and University of Ottawa, Ottawa, Canada</p>	<p><b>ID 1044: PURIFICATION OF PLASMID DNA USING AFFINITY MEMBRANE FILTRATION</b>  <i>Nobuyuki Katagiri, Daisuke Shimokawa, Takayuki Suzuki, Eiji Iritani</i>  <i>Nagoya University, Japan</i></p>	<p><b>ID 1057: PATHWAY ANALYSIS OF GENES AFFECTED IN MCF-7 BREAST CANCER CELLS TREATED WITH RECOMBINANT BROMELAIN</b>  <i>Nour Fouz, Azura Amid, Yumi Zuhanis</i>  <i>Has-Yun Hashim</i>  <i>IUM, Malaysia</i></p>	
<b>IC: Bioprocess Engineering [BPE]</b>				
<b>Chairperson: Prof. Dr. Parveen Jamal</b>		<b>Co-chair: Dr. Sarina Sulaiman</b>		<b>Venue: Manhattan VIIIA</b>
<b>15.00 – 15.15</b>	<b>15.15 – 15.30</b>	<b>15.30 – 15.45</b>	<b>15.45 – 16.00</b>	<b>16.00-16.15</b>
<p><b>ID 1135: PREPARATION AND CHARACTERIZATION OF LOW DENSITY POLYETHYLENE/THERMOPLASTIC SAGO STARCH/KENAF CORE FIBER COMPOSITES AND THEIR HYBRID COMPOSITES WITH HALLOYSITE NANOTUBES</b>  <i>Norshahida Sarifuddin<sup>1</sup>, Hanafi Ismail<sup>2</sup>, Zuraida Ahmad<sup>2</sup></i>  <sup>1</sup>USM Engineering Campus, Malaysia  <sup>2</sup>IUM, Malaysia</p>	<p><b>ID 1122: OPERATIONS RESEARCH IN PHARMACOECONOMICS: AN OVERVIEW</b>  <i>Rasvini Rajendran, Zaitul Marlizawati Zainuddin</i>  <i>UTM, Malaysia</i></p>	<p><b>ID 1012: GENERATION OF O<sub>2</sub><sup>-</sup> IN [(C<sub>2</sub>F<sub>2</sub>)<sub>3</sub>PF<sub>3</sub>] ANION-BASED IONIC LIQUIDS</b>  <i>Maan Hayyan<sup>1</sup>, Mohd Ali Hashim<sup>1</sup>, Farouq S. Mjalli<sup>2</sup>, Inas M. AlNashef<sup>3</sup></i>  <sup>1</sup>UM, Malaysia  <sup>2</sup>Sultan Qaboos University, Oman  <sup>3</sup>King Saud University, Saudi Arabia</p>	<p><b>ID 1014: STAINLESS STEEL SURFACE PROFILE CHANGES DURING USE OF ULTRASOUND WAVES TO CONTROL SOIL FILMS</b>  <i>Tirivaviri A Mamvura<sup>1,2</sup>, Sunny E Iyuke<sup>1</sup>, Anthony E Paterson<sup>1</sup></i>  <sup>1,2</sup>University of the Witwatersrand, South Africa</p>	

<b>ID: Bionanotechnology Engineering [BNT]</b> <b>Chairperson: Prof. Dr. Md. Zahangir Alam</b> <b>Co-chair: Assoc. Prof. Dr. Ma'an Alkhatib</b> <b>Venue: Manhattan VIII B</b>				
15.00 – 15.15	15.15 – 15.30	15.30 – 15.45	15.45 – 16.00	16.00-16.15
<b>ID 1058: ASSESSMENT OF THERAPEUTIC EFFICACY OF CARBONATE APATITE NANOPARTICLE MEDIATED GENE DELIVERY FOR THE TREATMENT OF BREAST CANCER.</b> <i>Anil Philip Kunnath<sup>a</sup>, Shar Mariam Bt Mohamed<sup>a</sup>, Nagaraja Haleagrahara Shankara Narayana<sup>b</sup>, Ezharul Hoque Chowdhury<sup>c</sup></i> <sup>a</sup> IMU, Malaysia <sup>b</sup> James Cook University, Australia. <sup>c</sup> Monash University Sunway Campus, Malaysia	<b>ID 1040: AUGMENTATION OF CHEMOTHERAPEUTIC EFFICACY OF CLASSICAL ANTICANCER DRUGS BY DIFFERENTLY FORMULATED CARBONATE APATITE NANOCARRIERS</b> <i>Snigdha Tiash<sup>1</sup>, Iekshan Othman<sup>1</sup>, Rosita Rosli<sup>2</sup>, Md. Ezharul Hoque Chowdhury<sup>1</sup></i> <sup>1</sup> Monash University Sunway campus, Malaysia. <sup>2</sup> UPM, Malaysia	<b>ID 1039: SORPTION SEPARATION OF BETA-BLOKER PROPRANOLOL FROM AQUEOUS SOLUTIONS BY SURFACE FUNCTIONALIZED MAGNETIC NANOPARTICLES</b> <i>Sudipa Ghosh<sup>1</sup>, Quek Jee Teck<sup>1</sup>, M. S. Uddin<sup>2</sup>, K. Hidajat</i> <sup>1</sup> National University of Singapore, Singapore <sup>2</sup> IUM, Malaysia	<b>ID 1066: ELECTROCHEMICALLY ACTIVE BIOFILMS IN BIOELECTROCHEMICAL SYSTEMS AND NANOTECHNOLOGY</b> <i>Shafeer Kalathil, Jintae Lee, Moo Hwan Cho</i> Yeungnam University, Republic of Korea	
<b>ICBioE 2013 Parallel Technical Sessions II, Tuesday 2 July 2013: 16.35 – 17.35</b>				
<b>IIA: Bioenvironmental Engineering [BEE]</b> <b>Chairperson: Prof. Dr. Md. Zahangir Alam</b> <b>Co-chair: Assoc. Prof. Dr. Mohamed Elwathig Saeed Mirghani</b> <b>Venue : Bronx IV</b>				
16.35 – 16.50	16.50 – 17.05	17.05 – 17.20	17.20 – 17.35	
<b>ID 1004: POLLUTION LOAD MANAGEMENT TO IMPROVE WATER QUALITY OF SG. PUSU</b> <i>Zaki Zainudin, Noorwahidah Syaira Mohd Said, Mohammed Saedi, Md. Noor Salleh</i> IIUM, Malaysia	<b>ID 1015: PREDICTION OF OPTIMAL ADSORPTION OF AQUEOUS PHENOL REMOVAL WITH OIL PALM EMPTY FRUIT BUNCH ACTIVATED CARBON USING ARTIFICIAL NEURAL NETWORK (ANN)</b> <i>R.F. Olanrewaju<sup>1</sup> and S.A. Muyibi<sup>2</sup></i> IIUM, Malaysia	<b>ID 1027: SYNTHESIS OF ZSM-5 ZEOLITE FROM LOW-WATER/FLUORIDE ROUTE FOR THE TREATMENT OF PETROLEUM INDUSTRY EFFLUENT</b> <i>Muti K. Aмоса<sup>1</sup>, Ma'an F.R. Alkhatib<sup>1</sup>, Mohammed S. Jami<sup>1</sup>, Dzun N. Jimat<sup>1</sup>, Owolabi, R. Uthman<sup>2</sup> and Suleyman A. Muyibi<sup>1</sup>,</i> <sup>1</sup> IIUM, Malaysia. <sup>2</sup> University of Lagos, Nigeria	<b>ID 1053: STUDY OF THE CHEMICAL AND THERMAL PROPERTIES OF KENAF BIOMASS BASED- POLYLACTIC ACID (PLA)</b> <i>Nur Aimi Mohd Nasir<sup>1</sup>, Hazleen Anuar<sup>1</sup>, Maizirwan Mel<sup>2</sup>, Rashidi Othman<sup>3</sup>, Nurhafizah Seeni Mohamed<sup>1</sup>, Ahmad Fitrie Mohd Ithnin<sup>1</sup>, Mohd Khairun Anwar Uyup<sup>4,5</sup></i> <sup>1,2,3</sup> IIUM, Malaysia <sup>4</sup> FRIM, Malaysia <sup>5</sup> UPM, Malaysia	
<b>IIB: Biomolecular Engineering [BME]</b> <b>Chairperson: Assoc. Prof. Dr. Faridah Yusof</b> <b>Co-chair: Dr. Noor Illi Mohamad Puad</b> <b>Venue: Bronx V</b>				
16.35 – 16.50	16.50 – 17.05	17.05 – 17.20	17.20 – 17.35	
<b>ID 1065: CAROTENOID BIOSYNTHESIS IN INTACT PLANT AND CALLUS CULTURES OF SELASIH (<i>Ocimum basilicum</i>)</b> <i>Fatimah Azzahra Mohd Zaifuddin, Rashidi Othman, Norazian Mohd Hassan</i> IIUM, Malaysia	<b>ID 1073: MUTAGENESIS ON CYANOBACTERIA FOR HIGH CO<sub>2</sub> UPTAKE: A REVIEW</b> <i>Ummi S. Halmi Shari, Azlin S. Azmi, Azura Amid, Raha A. Raus, Suleyman A. Muyibi, Dzun N. Jimat</i> IIUM, Malaysia	<b>ID 1150: EVALUATION OF HYPERTHERMIA EFFECT ON VIABILITY BY CRYSTAL VIOLET STAINING, LDH AND TRYPTAN BLUE ASSAYS OF HUMAN NORMAL LIVER AND BREAST CANCER CELL LINES</b> <i>Asita Elengoe, Salehuddin Hamdan</i> UTM, Malaysia	<b>ID 1142: THE STUDY OF CELL ATTACHMENT AND SPREADING ON POLYANILINE AND GELATIN USING ELECTRIC CELL-SUBSTRATE IMPEDANCE SENSING</b> <i>Irmanisha Ibrahim<sup>1</sup>, Anis Nurashikin Nordin<sup>2</sup>, and Yumi Zuharis Has-Yun Hashim<sup>1</sup></i> <sup>1,2</sup> IIUM, Malaysia	

<b>IIC: Bioprocess Engineering [BPE]</b>			
<b>Chairperson: Prof. Dr. Hamzah Mohd. Salleh</b>		<b>Co-chair: Dr. Azlin Suhaida Azmi</b>	
<b>Venue: Manhattan VIIIA</b>			
<b>16.35 – 16.50</b>	<b>16.50 – 17.05</b>	<b>17.05 – 17.20</b>	<b>17.20 – 17.35</b>
<p><b>ID 1017: ALKALI ACTIVATION OF BENTONITE CLAY FOR APPLICATION IN VEGETABLE OIL REFINING</b>  <i>Salawudeen T. Olalekan<sup>1</sup>, Arinkoola A. Olatunde<sup>2</sup> and Jimoh Monsurat<sup>2</sup></i>  <sup>1,2</sup> <i>Ladoke Akintola University of Technology, Nigeria.</i></p>	<p><b>ID 1019: BENCHTOP SCALE STUDY OF RHAMNOLIPID PRODUCTION BY <i>Pseudomonas aeruginosa</i> usm-ar2</b>  <i>Zainatul `Asyiqin Samsu<sup>1,2</sup>, Nur Asshifa Md Noh<sup>1</sup>, Salwa Mohd Saleh<sup>1</sup>, Amirul Al-Ashraf Abdullah<sup>1</sup> and Ahmad Ramli Mohd Yahya<sup>1</sup></i>  <sup>1</sup><i>USM, Malaysia</i>  <sup>2</sup><i>MICET, Malaysia</i></p>	<p><b>ID 1022: CYTOTOXICITY AND INHIBITION OF NITRIC OXIDE IN LIPO-POLYSACCHARIDE INDUCED RAW 264.7 CELL LINE BY AQUEOUS EXTRACTS OF BROWN SEAWEED</b>  <i>A.M. Hammed, Irwandi Jaswir, Azura Amid, Zahangir Alam and Tawakalit Tope Asiyambi-H</i>  <i>IUM, Malaysia.</i></p>	<p><b>ID 1103: PREPARATION OF CROSS-LINKED ENZYME AGGREGATE (CLEA)-LIPASE FROM SKIM LATEX SERUM OF <i>HEVEA BRASILIENSIS</i></b>  <i>Faridah Yusof, Mohd Raziz Firdaus Abd Aziz and Dzun Noraini Jimat</i>  <i>IUM, Malaysia</i></p>
<b>IIC: Bionanotechnology Engineering [BNT]</b>			
<b>Chairperson: Prof. Dr. Nassereldeen Ahmed Kabbashi</b>		<b>Co-chair: Assoc. Prof. Dr. Abdullah Al-Mamun</b>	
<b>Venue: Manhattan VIIIB</b>			
<b>16.35 – 16.50</b>	<b>16.50 – 17.05</b>	<b>17.05 – 17.20</b>	<b>17.20 – 17.35</b>
<p><b>ID 1099: PREPARATION OF Zn<sub>0.6</sub>Cd<sub>0.4</sub>O NANORODS AND ITS CHARACTERIZATION</b>  <i>Umer Mushtaq, Souad. A. Mohamad and Raihan Othman</i>  <i>IUM, Malaysia</i></p>	<p><b>ID 1041: PH-SENSITIVE INORGANIC NANOPARTICLES FOR ENHANCED EFFICACY OF ANTI-CANCER DRUGS IN BREAST CANCER</b>  <i>Tahereh Fatemian, Ezharul Hoque Chowdhury, Iekhsan Othman</i>  <i>Monash University, Malaysia</i></p>	<p><b>ID 1051: EXPRESSION OF FUSED GENE CONSISTS OF VP2 FROM IBDV AND HN FROM NDV IN <i>Escherichia coli</i></b>  <i>Muhammad N.A.A.N.<sup>1</sup>, Ahmad-Raus R.<sup>2</sup>, Amin N.M.<sup>3</sup>, Syamsiah A. S.<sup>4</sup>, Bakar F.D.A.<sup>5</sup>, Zainuddin N.<sup>1</sup>, Ghazali M.S.<sup>1</sup></i>  <sup>1,2</sup><i>IUM, Malaysia</i>  <sup>3</sup><i>MARDI, Malaysia</i>  <sup>4</sup><i>Veterinary Research Institute, Malaysia</i>  <sup>5</sup><i>UKM, Malaysia</i></p>	

**ICBioE 2013 Keynote Sessions 5, Wednesday 3 July 2013: 9.30 – 10:30**

**IA: Keynote Session 5**

**Chairperson: Prof. Dr. Mohd. Ismail Abd. Karim**

**Co-chair: Assoc. Prof. Dr. Mohamed Elwathig Saeed Mirghani**

**Venue : Bronx V**

**GENOME-SCALE MODELING AND OPTIMIZATION FOR BIOTECHNOLOGY APPLICATIONS**

*PROF. DR. IFTEKHAR A. KARIMI*

*National University of Singapore, Singapore*

**ICBioE 2013 Parallel Technical Sessions III, Wednesday 3 July 2013: 11.00 – 1.00**

**IIIA: Bioenvironmental Engineering [BEE]**

**Chairperson: Prof. Dr. Md. Zahangir Alam**

**Co-chair: Assoc. Prof. Dr. Mohammed Saedi Jami**

**Venue : Bronx IV**

**11.00 – 11.15**

**11.15 – 11.30**

**11.30–11.45**

**11.45 – 12.00**

**ID 1180: INITIAL ASSESSMENT OF RUNOFF QUALITY FROM ROADS AND HIGHWAYS IN KLANG VALLEY**  
*Mohammad Nor Salleh, Abdullah Al Mamun, Suleyman A Muyibi, Zaki Zainudin and Azni Idris IUM, Malaysia*

**ID 1016: REMOVAL OF ORGANICS FROM TREATED PALM OIL MILL EFFLUENT USING POWDERED ACTIVATED CARBON**  
*Suleyman A.M., Tamrin T., Mohammed Saedi J., and Mutiu K. A. IUM, Malaysia*

**ID 1036: ISOLATION AND SCREENING OF BIO-SURFACTANT PRODUCING BACTERIA FROM DEGRADED PALM KERNEL CAKE UNDER LIQUID STATE FERMENTATION**  
*Shajrat Mir, Parveen Jamal, Md. Zahangir Alam. IUM, Malaysia*

**ID 1029: ELECTROSMOTIC DEWATERING OF GELATINOUS MATERIALS: MODEL DEVELOPMENT AND ANALYSIS**  
*Mohammed Saedi Jami<sup>1</sup>, T. Tanaka<sup>2</sup>, K. Fujihara<sup>2</sup> and M. Iwata<sup>2</sup>*  
<sup>1</sup> IUM, Malaysia.  
<sup>2</sup>Osaka Prefecture University, Japan

**12.00 – 12.15**

**12.15 – 12.30**

**12.30-12.45**

**12.45 – 13.00**

**ID 1026: TREATMENT OF BIOTREATED PALM OIL MILL EFFLUENT USING POWDERED ACTIVATED CARBON PRODUCED FROM PALM EMPTY FRUIT BUNCH**  
*Mutiu K. Aмоса, Mohammed S. Jami, Ma'an F.R. AlKhatib, Dzun N. Jimat and Suleyman A. Muyibi IUM, Malaysia*

**ID 1152: MECHANISM OF FAT, OIL AND GREASE (FOG) DEPOSIT FORMATION IN SEWER PIPELINES**  
*Iman A.F Husain, Ma'an Fahmi Alkhatib, Asif Hoda, Mohamed Saedi Jammi, Mohamed Elwathig, Zaki Bin Zainudin IUM, Malaysia*

**ID 1149: EFFECT OF BIODEGRADATION ON THE PHYSICAL PROPERTIES OF PALM OIL MILL EFFLUENT (POME) USING MIXED CULTURE OF FUNGI**  
*Abass O. Alade<sup>1,2</sup>, Ahmad T. Jameel<sup>1</sup>, Suleyman A. Muyibi<sup>1</sup>, Mohamed I. Abdul Karim<sup>1</sup>, and Zahangir Md. Alam<sup>1</sup>*  
<sup>1</sup> IUM, Malaysia  
<sup>2</sup> Ladoke Akintola University of Technology, Nigeria

**ID 1117: PILOT SCALE PRODUCTION OF LIPASE USING PALM OIL MILL EFFLUENT AS BASAL MEDIUM**  
*Devi Ratna Asih, Md. Zahangir Alam, Md. Noor Salleh IUM, Malaysia*

**IIIB: Biomolecular Engineering [BME]**

**Chairperson: Assoc. Prof. Dr. Faridah Yusof**

**Co-chair: Dr. Nor Fadhillah Mohamed Azmin**

**Venue : Bronx V**

**11.00 – 11.15**

**11.15 – 11.30**

**11.30–11.45**

**11.45 – 12.00**

**ID 1077: TRANSITION STATE ANALYSIS OF PYRANOSE 2-OXIDASE FROM *PENIOPHORA* SP.**  
*Ibrahim Ali Noorbata, Siti Khairani Ramli, Hamzah Mohd Salleh IUM, Malaysia*

**ID 1083: INHIBITION OF MICROBIAL BIOFILM BY PLANT ESSENTIAL OILS AND ITS THERAPEUTIC POTENTIAL**  
*Iqbal Ahmad, Huma Jafri, Fohad M Husain, Mohd. Sajjad A Khan Aligarh Muslim University, India*

**ID 1074: EXPRESSION OF SEGMENT A (OPEN READING FRAME 2) OF INFECTIOUS BURSAL DISEASE VIRUS IN *Pichia pastoris***  
*Ghazali M.S<sup>1</sup>, Ahmad-Raus R<sup>2</sup>, Amin N.M<sup>3</sup>, Syamsiah A. S.<sup>4</sup>, Bakar F.D.A.<sup>5</sup>, Zainuddin N.<sup>2</sup>, Muhammad N.A.A.N<sup>1</sup>*  
<sup>1,2</sup>IUM, Malaysia  
<sup>3</sup>MARDI, Malaysia  
<sup>4</sup>Veterinary Research Institute, Malaysia  
<sup>5</sup>UKM, Malaysia

**ID 1171: APPLICATION OF FILTRATION BLOCKING MODELS TO DESCRIBE FOULING AND TRANSMISSION OF LARGE PLASMIDS DNA IN STERILE FILTRATION**  
*Affaro Affandy<sup>1</sup>, Eli Keshavarz-Moore<sup>2</sup>, Henk K. Versteeg<sup>3</sup>*  
<sup>1</sup> IUM, Malaysia  
<sup>2</sup>University College London, United Kingdom  
<sup>3</sup>Loughborough University, United Kingdom

<b>12.00 - 12.15</b>	<b>12.15 - 12.30</b>	<b>12.30-12.45</b>	<b>12.45 - 13.00</b>
<b>ID 1172: ANTI-BACTERIAL ACTIVITY AND PHYTOCHEMICAL SCREENING OF MORINGA OLEIFERA LEAVES</b> <i>Eman N. Ali<sup>1</sup>, Ghada M. A. Ibrahim<sup>2</sup>, Nosiba Khalid<sup>2</sup>, Nasra Imad<sup>2</sup>, Namariq Izzeldeen<sup>2</sup>, Nazik Musa<sup>2</sup></i> <sup>1</sup> UMP, Malaysia <sup>2</sup> Omdurman Islamic University, Sudan	<b>ID 1109: MOLECULAR DOCKING STUDIES OF PYRANOSE-2-OXIDASE FROM <i>Trametes multicolor</i></b> <i>Ibrahim Ali Noorbata, Tamrin Nuge, Amirulakmal Yusof, Raihan Othman, Hamzah Mohd Salleh</i> IIUM, Malaysia	<b>ID 1161: HOMOLOGUE MODELING OF PYRANOSE 2-OXIDASE FROM <i>PHANEROCHAETE CHRYSOSPORIUM</i></b> <i>Ibrahim Ali Noorbata<sup>1</sup>, Ahmad Sidqi Harithuddin<sup>1</sup>, Siti Khairani Raml<sup>1</sup>, Raihan Othman<sup>2</sup>, Hamzah Mohd Salleh<sup>1</sup></i> <sup>1,2</sup> IIUM, Malaysia	<b>ID 1054: EFFECT OF COMMERCIAL BROMELAIN ON VIABILITY OF MCF-7 HUMAN BREAST CANCER CELLS</b> <i>Hanan Yahaya Azura Amid, and Noor Illi Binti Mohamad Puad</i> IIUM, Malaysia
<b>IIIC: Bioprocess Engineering [BPE]</b>			
<b>Chairperson: Prof. Dr. Hamzah Mohd. Salleh</b>		<b>Co-chair: Assoc. Prof. Dr. Ir. Zaki Zainudin</b>	
<b>Venue : Manhattan VIII A</b>			
<b>11.00 - 11.15</b>	<b>11.15 - 11.30</b>	<b>11.30-11.45</b>	<b>11.45 - 12.00</b>
<b>ID 1024: DEVELOPMENT OF ANION EXCHANGER MEMBRANE CHROMATOGRAPHY FROM REGENERATED CELLULOSE MEMBRANE BY ATTACHING DIFFERENT SPACER ARM LENGTH OF DIAMINE MONOMER</b> <i>Yue Wei Lee, Syed M. Saufi</i> UMP, Malaysia	<b>ID 1028: FERMENTATION OF CASHEW APPLE JUICE FOR THE PRODUCTION OF BIOETHANOL</b> <i>Evanie D. Deenanath<sup>1</sup>, Sunny E. Iyuke<sup>1</sup>, Karl Rumbold<sup>2</sup></i> <sup>1,2</sup> University of the Witwatersrand, South Africa	<b>ID 1031: ULTRASOUND WAVES USED TO CONTROL SOIL FILMS IN THE BREWING INDUSTRY</b> <i>Tirivaviri A Mamvura<sup>1,2</sup>, Sunny E Iyuke<sup>1</sup>, Anthony E Paterson<sup>1</sup></i> <sup>1,2</sup> University of the Witwatersrand, South Africa	<b>ID 1034: STATISTICAL SCREENING AND OPTIMIZATION OF FACTORS INFLUENCE LIPASE PRODUCTION FROM PALM KERNEL CAKE USING <i>CANDIDA CYLINDRACEA</i> BY SOLID-STATE BIOCONVERSION</b> <i>Amal Elgharbawy, Md. Zahangir Alam and Hamzah M. Salleh</i> IIUM, Malaysia
<b>12.00 - 12.15</b>	<b>12.15 - 12.30</b>	<b>12.30-12.45</b>	<b>12.45 - 13.00</b>
<b>ID 1038: EFFECT OF INDOLE ON THE PREDATORY ABILITY OF <i>BDELLOVIBRIO BACTERIOVORUS</i> HD100</b> <i>Mohammed Dwidar and Robert J. Mitchell</i> <i>Ulsan National Institute of Science and Technology, Republic of Korea</i>	<b>ID 1169: STATISTICAL OPTIMIZATION OF BIOETHANOL PRODUCTION FROM EMPTY FRUIT BUNCHES BY A MIXED CULTURE OF YEAST AND FUNGUS</b> <i>Md. Zahangir Alam, Nur Hidayah Zainan, Ma'an Fahmi Al-Khatib</i> IIUM, Malaysia	<b>ID 1140: DESIGN &amp; FABRICATION OF A SIMPLE COST EFFECTIVE SPIN COATER FOR DEPOSITION OF THIN FILM</b> <i>Mohammad Meftahul Ferdous, Muhammad Mahbubur Rashid, MD. Ataur Rahman</i> IIUM, Malaysia	<b>ID 1112: GCMS-BASED GLOBAL METABOLITE ANALYSIS APPROACH DISTINGUISHES CHO-K1 CELLS CULTURED IN DIFFERENT LEVELS OF SERUM AND GLUTAMINE</b> <i>Yumi Zuhani Has-Yun Hashim, Salfarina Ezrina Mohamad Saberi, Maizirwan Mel, Azura Amid, Raha Ahmad Raus, Vasila Packeer Mohamed</i> IIUM, Malaysia
<b>IIID: Bionanotechnology Engineering [BNT]</b>			
<b>Chairperson: Prof. Dr. Suleyman Aremu Muylbi</b>		<b>Co-chair: Assoc. Prof. Dr. Ma'an Alkhatib</b>	
<b>Venue : Manhattan VIII B</b>			
<b>11.00 - 11.15</b>	<b>11.15 - 11.30</b>	<b>11.30-11.45</b>	<b>11.45 - 12.00</b>
<b>ID 1021: ELECTROCHEMICALLY ACTIVE BIOFILM MEDIATED BIOHYDROGEN PRODUCTION CATALYZED BY POSITIVELY CHARGED GOLD NANOPARTICLES</b> <i>Mohammad Mansoob Khan, Jintae Lee and Moo Hwan Cho</i> <i>Yeungnam University, Republic of Korea</i>	<b>ID 1111: GREEN SYNTHESIS OF SILVER NANOPARTICLES IN CENTRIFUGED NATURAL RUBBER LATEX AND ITS USE OF MAKING ANTIMICROBIAL LATEX FOAM</b> <i>W.G.I.U. Rathnayake<sup>1</sup>, H.Ismail<sup>1</sup>, A. Baharin<sup>2</sup>, Channa R. De Silva<sup>3</sup>, A.G.N.D.Darsanasiri<sup>3</sup></i> <sup>1,2</sup> USM, Malaysia <sup>3</sup> Western Carolina University Cullowhee, USA	<b>ID 1141: DEVELOPMENT AND IMPROVEMENT OF ANTI-GOUT PROPERTY FROM AQUEOUS-METHANOL EXTRACT OF <i>Morinda elliptica</i> USING CENTRAL COMPOSITE DESIGN</b> <i>Parveen Jamal, Saiful Mohammad Nizam Azmi, Azura Amid</i> IIUM, Malaysia	<b>ID 1126: SIMULTANEOUS REMOVAL OF ACID BLUE 25 AND LEAD FROM WATER USING CARBOXYMETHYL-<math>\beta</math>-CYCLODEXTRIN MODIFIED MAGNETIC NANOCOMPOSITES</b> <i>Abu Zayed Md. Badruddoza<sup>1</sup>, Zayed Bin Zakir Shawon<sup>1</sup>, Kus Hidayat<sup>1</sup>, Mohammad Shahab Uddin<sup>2</sup></i> <sup>1</sup> National University of Singapore, Singapore <sup>2</sup> IIUM, Malaysia

12.00 – 12.15	12.15 – 12.30	12.30-12.45	12.45 – 13.00
<p><b>ID 1127: THE ADSORPTION AND INHIBITION OF ACETYLCHOLINESTERASE AND BUTYRYLCHOLINESTERASE BY GRAPHENE OXIDE AND CARBON BLACK</b>                      Tina Mesarič<sup>1</sup>, Damjana Drobne<sup>1,2,3</sup> Kristina Sepčič<sup>1</sup>  <sup>1</sup>University of Ljubljana, Slovenia  <sup>2</sup>Centre of Excellence in Advanced Materials and Technologies for the Future (CO NAMASTE), Slovenia  <sup>3</sup>Centre of Excellence in Nanoscience and Nanotechnology (CO Nanocenter), Slovenia</p>	<p><b>ID 1130: EFFECT OF TiO<sub>2</sub> CONCENTRATION ON PHOTOCATALYTIC DEGRADATION OF REACTIVE ORANGE 16 DYE (RO16)</b>                      Khaled Mezughi<sup>1</sup>, Chedly Tizaoui<sup>2</sup>, Ma'an Fahmi Alkhatib<sup>3*</sup>  <sup>1</sup> Azzawia University, Libya  <sup>2</sup>Swansea University, Swansea  <sup>3</sup>IIUM, Malaysia</p>	<p><b>ID 1173: CHARACTERIZATIONS OF THERMOPLASTIC STARCH AND STARCH REINFORCED MONTMORILLONITE CLAY NANOCOMPOSITE</b>                      A.R. Nur Humairah<sup>1</sup>, A.Zuraida<sup>1</sup> Z. Siti Naqiah<sup>1</sup>  <sup>1</sup> IIUM, Malaysia</p>	<p><b>ID 1101: DUAL ADAPTATION GENERALIZED PREDICTIVE CONTROL</b>                      YONG KUEN HO<sup>†</sup>, HAK KOON YEOH<sup>†</sup>, FAROUQ S. MJALLI<sup>‡</sup>  <sup>†</sup>UM, Malaysia  <sup>‡</sup> Sultan Qaboos University, Oman</p>
<b>ICBioE 2013 Parallel Technical Sessions IV, Wednesday 3 July 2013: 14.00 – 15.00</b>			
<b>VA: Bioenvironmental Engineering [BEE]</b>			
<b>Chairperson: Prof. Dr. Mohd. Shahab Uddin</b>		<b>Co-chair: Assoc. Prof. Dr. Ir. Zaki Zainudin</b>	
<b>Venue: Bronx IV</b>			
14.00 – 14.15	14.15 – 14.30	14.30 – 14.45	14.45 – 15.00
<p><b>ID 1118: STATISTICAL OPTIMIZATION OF ZINC REMOVAL USING ACTIVATED CARBON AND MAGNETIC BIOCHAR</b>                      N.M. Mubarak,R.F Alicia, A.B Ayu Haslija and J.Tan                      UCSI University, Malaysia</p>	<p><b>ID 1139: BIOCONVERSION OF OIL PALM EMPTY FRUIT BUNCHES INTO BIOETHANOL</b>                      Nurul Adela Bukhari, Nasrin Abu Bakar &amp; Loh Soh Kheang                      MPOB, Malaysia</p>	<p><b>ID 1151: THE APPLICATION OF PRECAUTIONARY PRINCIPLE IN INTERNATIONAL TRADE LAW AND INTERNATIONAL ENVIRONMENTAL LAW: A COMPARISON</b>                      Prof. Dr. Abdul Haseeb Ansari                      IIUM, Malaysia</p>	<p><b>ID 1123: OPTIMIZATION OF BIOMASS GROWTH OF MICROALGAE BOTRYOCOCCUS SUDETICUS GROWN IN POME WASTE WATER</b>                      Nabila Selmani, Mohamed E.S. Mirghani, Md. Zahangir Alam                      IIUM, Malaysia</p>
<b>VB: Biomolecular Engineering [BME]</b>			
<b>Chairperson: Prof. Dr. Parveen Jamal</b>		<b>Co-chair: Assoc. Prof. Dr. Maizirwan Mel</b>	
<b>Venue: Bronx V</b>			
14.00 – 14.15	14.15 – 14.30	14.30 – 14.45	14.45 – 15.00
<p><b>ID 1060: MUSCLE CREATINE KINASE (M-CK), ALDOLASE A AND VOLTAGE DEPENDENT ANION CHANNEL 2 (VDAC2) AS POTENTIAL BIOMARKERS FOR IDENTIFICATION OF ELECTRICALLY STIMULATED CHICKEN MUSCLE</b>                      Azura Amid, Norshahida Abu samah, Faridah Yusof                      IIUM, Malaysia</p>	<p><b>ID 1062: OPTIMIZATION OF CULTIVATION CULTURE CONDITIONS IN <i>Escherichia coli</i> TO ENHANCE THE EXPRESSION OF RECOMBINANT VDAC2 FROM <i>Gallus gallus</i></b>                      Nurhidayah Ahmad Hassan<sup>1</sup>, Azura Amid<sup>1</sup>, Hamzah Mohd Salleh<sup>1,2</sup>  <sup>1,2</sup> IIUM, Malaysia</p>	<p><b>ID 1174: MOLECULAR DOCKING OF CELLOBIOSE AND CELLOTETRAOSE INTO AN ENDOGLUCANASE FROM <i>Fusarium oxysporum</i></b>                      Ibrahim Ali Noorbatcha, Abdul Aziz Ahmad and Hamzah Mohd Salleh                      IIUM, Malaysia</p>	<p><b>ID 1133: POTENTIAL ANTIVIRAL COMPOUND FROM SCHIZOPHYLLUM COMMUNE (MALAYSIA STRAIN)</b>                      Nur Rahilah Haji Abd Rahman, Raha Ahmad Raus, Maizirwan Mel                      IIUM, Malaysia</p>

<b>VC: Bioprocess Engineering [BPE]</b>			
<b>Chairperson: Prof. Dr. Irwandi Jaswir</b>		<b>Co-chair: Assoc. Prof. Dr. Abdullah Al-Mamun</b>	
<b>Venue: Manhattan VIIIA</b>			
<b>14.00 – 14.15</b>	<b>14.15 – 14.30</b>	<b>14.30 – 14.45</b>	<b>14.45 – 15.00</b>
<b>ID 1064: ISOLATION AND PURIFICATION OF <math>\alpha</math>-CAROTENE FROM NATURAL RESOURCES AS HPLC STANDARD</b> <i>Fatimah Azzahra Mohd Zaifuddin<sup>1</sup>, Rashidi Othman<sup>2</sup>, Norazian Mohd Hassan<sup>1,2</sup></i> <sup>1,2</sup> IIUM, Malaysia	<b>ID 1071: EFFECT OF CROSS WIND AND NOZZLE ANGLE AND HEIGHT ON PERFORMANCE OF BROADCASTING SPRAYING SYSTEM</b> <i>Nasir S. Hassen, Jamaludin M. Sheriff, Nor Azwadi C. Sidik</i> UTM, Malaysia	<b>ID 1177: A WHOLE-CELL BIOCATALYSIS APPLICATION OF STEROIDAL DRUGS</b> <i>Syed Adnan Ali Shah<sup>1,2</sup>, Sadia Sultan<sup>1,2</sup></i> <sup>1,2</sup> UiTM, Malaysia.	<b>ID 1178: GREEN CHEMISTRY REACTIONS, USING MICROORGANISMS AS A BIOREACTOR</b> <i>Sadia Sultan,<sup>1,2</sup> Syed Adnan Ali Shah<sup>1,2</sup></i> <sup>1,2</sup> UiTM, Malaysia.
<b>VD: Bionanotechnology Engineering [BNT]</b>			
<b>Chairperson: Prof. Dr. Nassereldean Ahmed Kabbashi</b>		<b>Co-chair: Assoc. Prof. Dr. Ahmad Tariq Jameel</b>	
<b>Venue: Manhattan VIIIB</b>			
<b>14.00 – 14.15</b>	<b>14.15 – 14.30</b>	<b>14.30 – 14.45</b>	<b>14.45 – 15.00</b>
<b>ID 1045: BIOMECHANICS OF REGULAR STAIR CLIMBING: SLIM VERSUS OBESE</b> <i>Sami F. Almashaqbeh<sup>1</sup>, Bahaa W. alsheikh<sup>1</sup>, Wan Abu Bakar Wan Abas<sup>2</sup> and Noor Azuan Abu Osman<sup>2</sup></i> <sup>1</sup> Yarmouk University, Jordan <sup>2</sup> UM, Malaysia	<b>ID 1046: PATTERNING BACTERIAL BIOFILMS ON EPITHELIAL CELLS</b> <i>Mohammed Dwidar<sup>a</sup>, Brendan M. Leung<sup>a</sup>, Toshiyuki Yaguchi<sup>a,b</sup>, Shuichi Takayama<sup>a,c</sup> and Robert J. Mitchell<sup>a</sup></i> <sup>a</sup> Ulsan National Institute of Science and Technology, Republic of Korea. <sup>b</sup> Nagoya Institute of Technology, Japan. <sup>c</sup> University of Michigan, USA.	<b>ID 1047: TWO DIMENSIONAL GAIT ANALYSIS USING MATLAB</b> <i>Sami F. Almashaqbeh, Bahaa W. alsheikh, Dia' A. Albalawneh, Ala'a N.Jaradat, Rawan M. Alkhateeb, Doa'a I.Alzyoud</i> Yarmouk University, Jordan	<b>ID 1163: ISOLATION OF FUNGI PRODUCING CELLULASES FROM COCOA POD (<i>THEOBROMA CACAO L.</i>)</b> <i>Dzun N.Jimat, Nur F.D. Che Husin, Azlin S.Azmi, Raha A.Raus</i> IIUM, Malaysia
<b>ICBioE 2013 Parallel Technical Sessions V, Wednesday 3 July 2013: 15.30 – 17.30</b>			
<b>VIA: Bioenvironmental Engineering [BEE]</b>			
<b>Chairperson: Prof. Dr. Mohd. Shahab Uddin</b>		<b>Co-chair: Assoc. Prof. Dr. Ahmad Tariq Jameel</b>	
<b>Venue: Bronx IV</b>			
<b>15.30 – 15.45</b>	<b>15.45 – 16.00</b>	<b>16.00 – 16.15</b>	<b>16.15 – 16.30</b>
<b>ID 1063: SCREENING FOR POTENTIAL BIOSURFACTANT PRODUCED BACTERIA FROM HYDROCARBON-DEGRADING ISOLATES</b> <i>Asia Fadhil Almansoori<sup>1,4</sup>, Mushrifah Idris<sup>2</sup>, Siti Rozaimah Sheikh Abdullah<sup>3</sup> and Nurina Anuar<sup>3</sup></i> <sup>1,2,3</sup> UKM, Malaysia <sup>4</sup> University of Basrah, Iraq	<b>ID 1164: BIODIESEL PRODUCTION FROM SOLID COCONUT WASTE</b> <i>Sarina Sulaiman<sup>1</sup>, Abdul Aziz Abdul Raman<sup>2</sup> and Mohammed Kheireddine Aroua<sup>2</sup></i> <sup>1</sup> IIUM, Malaysia <sup>2</sup> UM, Malaysia	<b>ID 1166: PREPARATION OF ZINC DOPED-BIPHASIC CALCIUM PHOSPHATE/ CARBONE NANOTUBES COMPOSITES</b> <i>Gunawan<sup>1,2</sup>, Iis Sopyan<sup>1,a</sup>, Maizirwan Mel<sup>1</sup>, Suryanto<sup>1</sup></i> <sup>1</sup> IIUM, Malaysia <sup>2</sup> Sriwijaya University, Indonesia	<b>ID 1050: EVALUATION OF DIESEL BLEND FUEL "A Review"</b> <i>Mohammad Saad khan<sup>1</sup>, Iqbal Ahmed<sup>*1</sup>, Ibrahim bin Abdul Mutalib<sup>1</sup>, Zulkifli bin Hassan<sup>2</sup>, Azmi Bostum<sup>1</sup>, Junaid Akhter<sup>3</sup></i> <sup>1</sup> UTP, Malaysia <sup>2</sup> UiTM, Malaysia <sup>3</sup> UTM, Malaysia



16.30 – 16.45	16.45 – 17.00	17.00 – 17.15	17.15 – 17.30
<p><b>ID 1179: SCREENING OF NOVEL ACIDIFIED SOLVENTS FOR A MAXIMUM ANTIMICROBIAL PEPTIDE EXTRACTION FROM ZOPHOBAS MORIO FABRICIUS</b>                      Johan Ariff Mohtar, Faridah Yusof, Najala Mahmoud Hag Ali                      IIUM, Malaysia</p>	<p><b>ID 1157: HYDROGEOLOGICAL AND HYDROCHEMISTRY INVESTIGATION IN BARA BASIN: A CASE STUDY OF THE NORTH KORDOFAN, SUDAN</b>                      Elhag A.B<sup>*1</sup> and Elzien S.M<sup>*2</sup>  <sup>*1</sup>University of Kordofan, Sudan.  <sup>*2</sup>Alneelain University, Sudan.</p>	<p><b>ID 1153: INVESTIGATION OF NO<sub>2</sub>/NO, SO<sub>2</sub>, CO AND VOLATILE ORGANIC COMPOUNDS EMISSION FROM SOLID WASTE IN OGBOMOSO, SOUTH-WESTERN NIGERIA.</b>                      Jimoda L.A.<sup>1</sup>, Adeniran J. A.<sup>1</sup>, Sonibare, J.A.<sup>2</sup>, and Ayandiran A.A.<sup>1</sup>  <sup>1</sup>Ladoko Akintola University of Technology, Nigeria  <sup>2</sup>Obafemi Awolowo University, Nigeria.</p>	<p><b>ID 1001: STUDIES OF LOCALLY EFFECTIVE MICROORGANISMS (EM) TO ENHANCE THE DEGRADATION OF EMPTY FRUIT BUNCHES, POME &amp; CAKE DURING COMPOSTING PROCESS</b>                      Nassereldeen Ahmed kabbashi, Norzalina Noruldin, Mohammed Elwathig Mirghani                      IIUM, Malaysia</p>
<p><b>VIB: Bioprocess Engineering [BPE]</b></p>			
<p><b>Chairperson: Prof. Dr. Mohd. Ismail Abd. Karim</b></p>		<p><b>Co-chair: Assoc. Prof. Dr. Maizirwan Mel</b></p>	
<p><b>Venue: Bronx V</b></p>			
15.30 – 15.45	15.45 – 16.00	16.00 – 16.15	16.15 – 16.30
<p><b>ID 1147: THE EFFECTS OF SELECTED CYTOSTATICS AND THEIR MIXTURES ON TWO PHYTOPLANKTON SPECIES</b>                      Polona Brezovsek<sup>1</sup>, Tina Elersek<sup>2</sup>, Metka Filipic<sup>2</sup>  <sup>1</sup>Ecological Engineering institute, Slovenia  <sup>2</sup>National Institute of Biology, Slovenia</p>	<p><b>ID 1137: SOME PROPERTIES OF PROBABILISTIC ONE-SIDED STICKER SYSTEMS</b>                      Mathuri Selvarajoo<sup>1</sup>, Fong Wan Heng<sup>2</sup>, Nor Haniza Sarmin<sup>1</sup>, Sherzod Turaev<sup>3</sup>  <sup>1,2</sup>UTM, Malaysia  <sup>3</sup>IIUM, Malaysia</p>	<p><b>ID 1143: EFFECT OF SOLUTION PH ON THE SEPARATION OF PROTEINS FROM SKIMMED COCONUT MILK BY SELECTIVE FILTRATION</b>                      Ng Ching Yin, Abdul Wahab Mohammad, Ng Law Yong                      UKM, Malaysia</p>	<p><b>ID 1120: INFLUENCE OF REACTION TEMPERATURE ON THE FLASH PYROLYSIS OF RICE HUSK</b>                      Norazana Ibrahim<sup>1</sup>, Peter A. Jensen<sup>2</sup>, Kim Dam-Johansen<sup>2</sup>  <sup>1</sup>UTM, Malaysia  <sup>2</sup>Denmark Technical Univesity, Denmark</p>
16.30 – 16.45	16.45 – 17.00	17.00 – 17.15	17.15 – 17.30
<p><b>ID 1155: EFFECT OF KENAF CONTENT ON STARCH BASED BIOPOLYMER COMPOSITES</b>                      A. R. Nur Humairah, A. Zuraida, and A. W. Nur Izwah                      IIUM, Malaysia</p>	<p><b>ID 1148: THE PHYTOCHEMICAL SCREENING OF PANDANUS ETHANOLIC EXTRACTS</b>                      Nur Hateikah Othman, Hannis Fadzillah Mohsin, Ibtisam Abdul Wahab                      UiTM, Malaysia</p>	<p><b>ID 1165: PRODUCTION OF BAKER'S YEAST FROM DATE SYRUP</b>                      Siddig H. Ali<sup>1</sup>, Salah M. Al-Eid<sup>2</sup>, and Fahad M. Al-jasass<sup>3</sup>  <sup>1,2</sup>King Faisal University, Saudi Arabia  <sup>3</sup>King Abdul-Aziz City for Science and Technology, Saudi Arabia</p>	<p><b>ID 1042: OPTIMIZATION OF MEDIA COMPOSITION FOR <math>\alpha</math>-AMYLASE PRODUCTION IN LIQUID STATE FERMENTATION OF BITTER CASSAVA BY ASPERGILLUS NIGER</b>                      Abubakir I. Khalaf, Md. Zahangir Alam and Hamzah M. Salleh                      IIUM, Malaysia</p>
<p><b>VIC: Bioprocess Engineering [BPE]</b></p>			
<p><b>Chairperson: Assoc. Prof. Dr. Faridah Yusof</b></p>		<p><b>Co-chair: Dr. Raha Ahmad Raus</b></p>	
<p><b>Venue: Manhattan VIIIA</b></p>			
15.30 – 15.45	15.45 – 16.00	16.00 – 16.15	16.15 – 16.30
<p><b>ID 1078: SUBSTRATE SPECIFICITY OF FARNESOL DEHYDROGENASE FROM <i>Polygonum minus</i></b>                      Nor Ain Shahajar Binti Ahmad Sohdi, Maizom Hassan                      UKM, Malaysia</p>	<p><b>ID 1100: DETERMINATION OF OPTIMUM EXTRACTION TIME OF LARGE SCALE MICROWAVE-ASSISTED EXTRACTION BASED ON ABSORBED MICROWAVE POWER</b>                      Chung-Hung, Chan, Rozita Yusoff, Ngek-Cheng Ngoh                      UM, Malaysia</p>	<p><b>ID 1084: SCREENING OF AUTOINDUCTION MEDIUM COMPOSITION FOR OPTIMAL BIOMASS PRODUCTION OF E. coli BL21-AI EXPRESSING STEM BROMELAIN</b>                      Mohd Jamil Aizat Jamaluddin, Azura Amid, Azlin Suhaida Azmi, Muhd. Ezra Faiez Othman                      IIUM, Malaysia</p>	<p><b>ID 1091: FUZZY CONTROL FOR pH AND TEMPERATURE IN THE GLUCOSE ISOMERISATION PROCESS</b>                      N Abd.Rahman<sup>1</sup>, M.A.Hussain<sup>2</sup>, J Md.Jahim<sup>1</sup>, S.R.Sheikh Abdullah<sup>1</sup>  <sup>1</sup>UKM, Malaysia  <sup>2</sup>UM, Malaysia</p>

16.30 – 16.45	16.45 – 17.00	17.00 – 17.15	17.15 – 17.30
<p><b>ID 1059: PREPARATION AND CHARACTERIZATION OF POLYCAPROLACTONE (PCL) MICROSPHERES FOR CELL CULTURE APPLICATION</b>                      Mohd Azmir Arifin<sup>1</sup>, Nurhusna Samsudin<sup>1</sup>, Maizirwan Mel<sup>1</sup>, Yumi Zuharis Has-Yun Hashim<sup>1</sup>, Hamzah Mohd Salleh<sup>1</sup>, Iis Sopyan<sup>2</sup>  <sup>1,2</sup> IIUM, Malaysia</p>	<p><b>ID 1081: PROCESS OPTIMIZATION ON CELL DISRUPTION OF RECOMBINANT BROMELAIN EXPRESSED IN E.coli BL21-AI USING ULTRASONICATION</b>                      Muhd. Ezza Faiez B. Othman, Azura Amid, Dzun Noraini Jimat, Jamil Aizat Jamaluddin                      IIUM, Malaysia</p>	<p><b>ID 1104: COMPARISON OF TOTAL CAROTENOID CONTENT IN FLESH ORANGE, YELLOW, PURPLE AND WHITE SWEET POTATO IN STORAGE TIME</b>                      Suhair Mohammad Hussein<sup>1</sup>, Irwandi Jaswir<sup>1</sup>, Parveen Jamal<sup>1</sup> &amp; Rashidi Othman<sup>2</sup>  <sup>1,2</sup>IIUM, Malaysia</p>	
<b>VID: Bionanotechnology Engineering [BNT]</b>			
<b>Chairperson: Prof. Dr. Mohd. Shahab Uddin</b>		<b>Co-chair: Assoc. Prof. Dr. Abdullah Al-Mamun</b>	
<b>15.30 – 15.45</b>		<b>16.15 – 16.30</b>	
<p><b>ID 1030: IMMOBILIZATION OF OIL AND GREASE IN SODIUM ALGINATE GEL AS A POTENTIAL WASTEWATER TREATMENT METHOD</b>                      Mohammed Saedi Jami<sup>1</sup>, Hamzah Mohd Salleh<sup>1</sup>, Zarith Elda Binti Abd Kadir<sup>1</sup>, Takanori Tanaka<sup>2</sup>, Masashi Iwata<sup>2</sup>  <sup>1</sup> IIUM, Malaysia  <sup>2</sup>Osaka Prefecture University, Japan</p>	<p><b>ID 1115: BIOLOGICAL SYNTHESIS OF ZINC NANOPARTICLES BY FUNGUS SPECIES</b>                      Ainnur Farhana Ariffin, Ibrahim Ali Noorbacha, and Hamzah Mohd Salleh                      IIUM, Malaysia</p>	<p><b>ID 1075: GREEN SYNTHESIS OF GOLD NANOPARTICLES USING Candida cylindracea CULTURE SUPERNATANT</b>                      Ibrahim Ali Noor Batcha, Saifunnasr Zulkifli, Mohd. Hamzah Salleh                      IIUM, Malaysia</p>	<p><b>ID 1048: PURIFICATION OF NUCLEOCAPSID PROTEIN OF NEWCASTLE DISEASE VIRUS FROM RECOMBINANT Escherichia coli</b>                      Raha Ahmad-Raus<sup>1</sup>, Faridah Yusoff<sup>1</sup>, Nurhasmah Matchakun<sup>1</sup>, Syamsiah Aini Shohaimi<sup>2</sup>  <sup>1</sup> IIUM, Malaysia  <sup>2</sup>Veterinary Research Institute, Malaysia</p>

### ICBioE 2013 Keynote Sessions 6, Thursday 4 July 2013: 9.00 – 9.45

<b>IA: Keynote Session 6</b>		
<b>Chairperson: Prof. Dr. Mohd. Shahab Uddin</b>	<b>Co-chair: Assoc. Prof. Dr. Mohammed Saedi Jami</b>	<b>Venue : Bronx V</b>
<b>DESIGNING NANOSTRUCTURED MATERIALS FOR CATALYTIC AND BIOMEDICAL APPLICATIONS</b>		
<p>PROF. JACKIE Y. YING                      Institute of Bioengineering and Nanotechnology, Singapore</p>		

<b>ICBioE 2013 Parallel Technical Sessions VI, Thursday 4 July 2013: 10.00 – 10.30</b>		
<b>VIIA: Bioenvironmental Engineering [BEE]</b>		
<b>Chairperson: Prof. Dr. Suleyman Aremu Muyibi</b>	<b>Co-chair: Assoc. Prof. Dr. Ahmad Tariq Jameel</b>	<b>Venue: Bronx IV</b>
<b>10.00 – 10.15</b>	<b>10.15 – 10.30</b>	
<p><b>ID 1068: DRINKING WATER TREATMENT BY COAGULATION WITH EXTRACT FROM <i>Moringa oleifera</i> SEED</b>  <i>Tetsuji Okuda<sup>1</sup>, Wataru Nishijima<sup>1</sup>, Mitsumasa Okada<sup>2</sup></i>  <sup>1</sup> <i>Hiroshima University, Japan</i>  <sup>2</sup> <i>Open University of Japan, Japan</i></p>	<p><b>ID 1079: FOULING IN MEMBRANE BIOREACTORS WITH MICROBIAL AUTOLYSIS CAUSED BY ENDOGENOUS RESPIRATION</b>  <i>Tetsuji Okuda<sup>1</sup>, Wataru Nishijima<sup>1</sup>, Atsunori Ootoshi<sup>2</sup>, Srinivasa Reddy Mallampati<sup>3</sup>, Satoshi Nakai<sup>2</sup>, Mitsumasa Okada<sup>4</sup></i>  <sup>1</sup> <i>Environmental Research and Management Center, Hiroshima University, Japan</i>  <sup>2</sup> <i>Hiroshima University</i>  <sup>3</sup> <i>University of Hiroshima, Japan</i>  <sup>4</sup> <i>Open University of Japan, Japan</i></p>	
<b>VIIIB: Bioprocess Engineering [BPE]</b>		
<b>Chairperson: Prof. Dr. Mohd. Ismail Abd. Karim</b>	<b>Co-chair: Assoc. Prof. Dr. Maizirwan Mel</b>	<b>Venue: Bronx V</b>
<b>10.00 – 10.15</b>	<b>10.15 – 10.30</b>	
<p><b>ID 1106: CO-SOLVENT SELECTION FOR SUPERCRITICAL FLUID EXTRACTION OF ASTAXANTHIN AND OTHER CAROTENOIDS FROM (<i>Penaeus monodon</i>) WASTE</b>  <i>Shazana Azfar Radzali<sup>1</sup>, Badlishah Sham Baharin<sup>1</sup>, Rashidi Othman<sup>2</sup>, and Masturah Markom<sup>3</sup>, Russly Abdul Rahman<sup>1</sup></i>  <sup>1</sup> <i>UPM, Malaysia</i>  <sup>2</sup> <i>IIUM, Malaysia</i>  <sup>3</sup> <i>UKM, Malaysia</i></p>	<p><b>ID 1158: QUALITY ASPECTS AND PROXIMATE COMPOSITION OF SOME LEGUMES IN SUDAN</b>  <i>Mohamed Elmustafa Osman Elsayed and Razaz Elsayed Omer Ahmed</i>  <i>University of Kordofan, Sudan</i></p>	
<b>VIIIC: Bioprocess Engineering [BPE]</b>		
<b>Chairperson: Prof. Dr. Irwandi Jaswir</b>	<b>Co-chair: Dr. Nor Fadhillah Mohamed Azmin</b>	<b>Venue: Manhattan VIIIA</b>
<b>10.00 – 10.15</b>	<b>10.15 – 10.30</b>	
<p><b>ID 1170: STUDY OF CENTRAL CARBON METABOLISM DURING PLANT CELL SUSPENSION GROWTH USING FLUX BALANCE ANALYSIS (FBA)</b>  <i>Noor Illi Mohamad Puad<sup>1</sup>, Ferda Mavituna<sup>2</sup></i>  <sup>1</sup> <i>IIUM, Malaysia</i>  <sup>2</sup> <i>University of Manchester, UK</i></p>	<p><b>ID 1098: HEALTH BENEFITS OF GUM ARABIC AS NATURAL HALAL FOOD INGREDIENT AND EMULSIFYING AGENT</b>  <i>Mohamed Elwathig S. Mirghani, Nasreldin Ahmed Kabbashi, Yumi Z. H. Y. Hashim<sup>1</sup> and Ahmad Adam H. Mohamed Elnour</i>  <i>IIUM, Malaysia</i></p>	

**ICBioE 2013 Parallel Technical Sessions VII, Thursday 4 July 2013: 11.00 – 1.00**

**VIIID: Bioenvironmental Engineering [BEE]**

**Chairperson: Prof. Dr. Nassereldeen Ahmed Kabbashi**

**Co-chair: Assoc. Prof. Dr. Ma'an Alkhatib**

**Venue: Bronx IV**

<b>11.00 – 11.15</b>	<b>11.15 – 11.30</b>	<b>11.30–11.45</b>	<b>11.45 – 12.00</b>	<b>12.00 – 12.15</b>
<p><b>ID 1043: APPROACHES IN THE UTILIZATION OF <i>JATROPHA CURCAS</i> L. AS FEEDSTOCK FOR BIODIESEL SYNTHESIS: A REVIEW</b> Mohammed Nurudeen Ishola, Nassereldeen Ahmed Kabbashi, Md Zahangir Alam, Mohammed Elwathig Mirghani IIUM, Malaysia</p>	<p><b>ID 1037: SYSTEMIC STUDY FOR DYE DECOLORIZATION USING BIOSURFACTANTS AND BIOMASS</b> Parveen Jamal, Monawar Munjid, Ma'an Alkhatib IIUM, Malaysia</p>	<p><b>ID 1009: REUSE POTENTIAL OF ABLUTION WATER FROM IIUM MASJID</b> Abdullah Al Mamun, Suleyman A. Muyibi and Nur Asilah Bt. Abdul Razak IIUM, Malaysia</p>	<p><b>ID 1116: SINTERING BEHAVIOUR OF DENSE ZINC DOPED-BIPHASIC CALCIUM PHOSPHATE CERAMICS</b> Gunawan<sup>1,2</sup>, Iis Sopyan<sup>1,a</sup>, Maizirwan Mel<sup>1</sup>, Suryanto<sup>1</sup> <sup>1</sup> IIUM, Malaysia <sup>2</sup> Engineering, Sriwijaya University, Indonesia</p>	<p><b>ID 1003: ANTIBACTERIAL PROPERTY OF MEMBRANE PROCESSED MORINGA OLEIFERA SEED EXTRACT</b> Munirat A. Idris<sup>1</sup>, Suleyman A. Muyibi<sup>1</sup>, Mohd Ismail Abdul Karim<sup>1</sup>, Parveen Jamal<sup>1</sup>, Hamzah Mohd. Salleh<sup>1</sup>, and Mohammed Saedi Jami<sup>1</sup> <sup>1</sup> IIUM, Malaysia</p>
<b>12.15 – 12.30</b>		<b>12.30-12.45</b>		<b>12.45 – 13.00</b>
<p><b>ID 1080: CENTRAL COMPOSITE DESIGN OF ZINC REMOVAL FROM MODEL WATER USING CHITOSAN BIOPOLYMER</b> Isam Y. Qudsieh<sup>1</sup>, Mohammad E. S. Mirghani<sup>2</sup>, Nassereldeen A. Kabbashi<sup>2</sup> and Suleyman Aremu Muyibi<sup>2</sup> <sup>1</sup>Jazan University, Saudi Arabia <sup>2</sup> IIUM, Malaysia</p>		<p><b>ID 1082: BIOLOGICAL EFFECTS OF WIRELESS POLLUTION TECHNOLOGY</b> Othman O. Khalifa and Md Rafiqul Islam IIUM, Malaysia</p>		<p><b>ID 1176: QSAR STUDY OF PLATELET-ACTIVATING FACTOR (PAF) RECEPTOR BINDING ANTAGONIST</b> Nor Hayati Abdullah<sup>1</sup>, Ibrahim Ali Noorbacha<sup>2</sup>, Ling Sui Kiong<sup>1</sup> <sup>1</sup>FRIM, Malaysia <sup>2</sup>IIUM, Malaysia</p>
<b>VIIID: Bioprocess Engineering [BPE]</b>				
<b>Chairperson: Prof. Dr. Irwandi Jaswir</b>		<b>Co-chair: Assoc. Prof. Dr. Ir. Zaki Zainudin</b>		<b>Venue: Bronx V</b>
<b>11.00 – 11.15</b>	<b>11.15 – 11.30</b>	<b>11.30–11.45</b>	<b>11.45 – 12.00</b>	<b>12.00 – 12.15</b>
<p><b>ID 1049: EXTRACTION AND PURIFICATION OF ANTIFUNGAL COMPOUNDS FROM <i>Piper betle</i></b> Raha Ahmad-Raus, Parveen Jamal, Amira Surmi, Hafizan Junoh IIUM, Malaysia</p>	<p><b>ID 1138: ULTRASONIC-ASSISTED EXTRACTION OF THIOLS FROM GARLIC BULBS</b> Nur Izzah Ismail<sup>1</sup>, Yumi Zuhani Has-Yun Hashim<sup>1,2</sup>, Parveen Jamal<sup>1</sup>, Hamzah Mohd Salleh<sup>1,2</sup>, Rashidi Othman<sup>3</sup> <sup>1,2,3</sup> IIUM, Malaysia</p>	<p><b>ID 1159: USE OF GELATIN IN FOOD AND PHARMACEUTICAL INDUSTRIES: AN ISLAMIC PERSPECTIVE</b> Harmen Shah, Faridah Yusof<sup>1</sup> IIUM, Malaysia</p>	<p><b>ID 1023: KINETIC STUDY OF ACETIC ACID (VINEGAR) PRODUCTION FROM STAR FRUIT JUICE IN A BIOREACTOR</b> Mohamed Ismail Abdul Karim, Parveen Jamal and Noor Izzaida Binti Kamaruddin IIUM, Malaysia</p>	<p><b>ID 1175: PERFORMANCE OF <math>\beta</math>-GLUCOSIDASE IMMOBILIZED ON CALCIUM ALGINATE BEADS</b> Ahmad T. Jameel, Faridah Yusof, Syaira Johana IIUM, Malaysia</p>
<b>12.15 – 12.30</b>		<b>12.30-12.45</b>		<b>12.45 – 13.00</b>
<p><b>ID 1010: ANTICANCER POTENTIAL OF AGARWOOD DISTILLATE</b> Phirdaous Abbas<sup>1</sup>, Yumi Zuhani Has-Yun Hashim<sup>1,2</sup> Azura Amid<sup>1</sup>, Hamzah Mohd Salleh<sup>1,2</sup>, Parveen Jamal<sup>1</sup> and Irwandi Jaswir<sup>1</sup>, <sup>1,2</sup> IIUM, Malaysia</p>		<p><b>ID 1055: PRODUCTION OF CELLOBIOHYDROLASE BY STATIC SURFACE LIQUID CULTURE USING TWO SUBSTRATE AS CARBON SOURCE</b> Norashikin Othman<sup>1</sup>, Jamaliah Md. Jahim<sup>1</sup>, Abd. Munir Abd. Murad<sup>2</sup>, Farah Diba Abu Bakar<sup>2</sup> <sup>1,2</sup>UKM, Malaysia</p>		<p><b>ID 1072: PRELIMINARY STUDY ON KINETIC GROWTH OF <i>F. deltoidea</i> VAR. TRENGGANUENSIS CELL SUSPENSION CULTURE</b> Tajul Afif Abdullah<sup>1</sup>, Azura Amid<sup>2*</sup>, Noor Illi Muhamad Puad<sup>2</sup> and Hafsa Jaafar<sup>1</sup> <sup>1</sup> Universiti Sultan Zainal Abidin, Malaysia <sup>2</sup> IIUM, Malaysia</p>

<b>VIIIID: Bioprocess Engineering [BPE]</b>				
<b>Chairperson: Prof. Dr. Hamzah Mohd. Salleh</b>		<b>Co-chair: Dr. Dzun Noraini Jimat</b>		<b>Venue: Manhattan VIIIA</b>
<b>11.00 – 11.15</b>	<b>11.15 – 11.30</b>	<b>11.30–11.45</b>	<b>11.45 – 12.00</b>	<b>12.00 – 12.15</b>
<p><b>ID 1131: IDENTIFICATION OF MICROBES IN INOCULANTS FOR AGARWOOD (GAHARU) FORMATION USING MOLECULAR BIOLOGICAL TECHNIQUES</b>  <i>Tamrin Nuge<sup>1</sup>, Hamzah Mohd Salleh<sup>1,2</sup>, Azura Amid<sup>1</sup>, Irwandi Jaswir<sup>1</sup>, Parveen Jamal<sup>1</sup>, Yumi Zuhanis Has-Yun Hashim<sup>1,2</sup></i>  <sup>1,2</sup> IIUM, Malaysia</p>	<p><b>ID 1119: STATISTICAL OPTIMIZATION OF MEDIUM COMPONENTS TO IMPROVE THE PRODUCTION OF TETRATHIONATE HYDROLASE FROM <i>THIOBACILLUS FERROOXIDANS</i></b>  <i>Azratul Ashimah Nur Mohd Dom, Faridah Yusof</i>                      IIUM, Malaysia</p>	<p><b>ID 1002: STUDIES ON THE PROCESS CONDITION THAT AFFECT THE SIZE OF POLYSTYRENE MICROCARRIER BY AN EMULSION SOLVENT EVAPORATION PROCESS</b>  <i>Nurhusna Samsudin<sup>1</sup>, Mohd Azmir Arifin<sup>1</sup>, Yumi Zuhanis Has-Yun Hashim<sup>1</sup>, Maizirwan Mel, Hamzah Mohd. Salleh<sup>1</sup>, Iis Sopyan<sup>2</sup></i>  <sup>1,2</sup> IIUM, Malaysia</p>	<p><b>ID 1006: EFFECTS OF GLUTAMINE AND SERUM ON IGF- DEPENDENT CHO-K1 CELL GROWTH IN T-FLASK</b>  <i>Vasila Packeer Mohamed, Yumi Zuhanis Has-Yun Hashim, Salfarina Ezrina Mohamad Saberi, Siti Nuramalis Ibrahim, Azura Amid and Maizirwan Mel.</i>                      IIUM, Malaysia</p>	<p><b>ID 1124: RAPID DETECTION OF ETHANOL IN BEVERAGES USING IIUM-FABRICATED PORTABLE ELECTRONIC NOSE</b>  <i>Nurul Asyikeen Ab Mutalib<sup>1</sup>, Irwandi Jaswir<sup>1</sup>, Rini Akmeliawati<sup>2</sup></i>  <sup>1,2</sup> IIUM, Malaysia</p>
<b>12.15 – 12.30</b>		<b>12.30-12.45</b>		<b>12.45 – 13.00</b>
<p><b>ID 1125: ENRICHMENT OF FRUIT WASTES WITH WHITE ROT FUNGI UNDER SUBMERGED STATE BIOCONVERSION</b>  <i>Parveen Jamal, Olorunnisola K. Saheed, Md. Zahagir Alam, Suleyman Aremu Muyibi and M. Ismail Abdul Karim</i>                      IIUM, Malaysia</p>		<p><b>ID 1114: AGARWOOD DISTILLATE: SAFE FOR ORAL CONSUMPTION</b>  <i>Yumi Zuhanis Has-Yun Hashim<sup>1,2</sup>, Iswadi Idris<sup>1</sup>, Abeir Hussein M. Gameil<sup>1</sup>, Phirdaous Abbas<sup>1</sup>, Azura Amid<sup>1</sup>, Hamzah Mohd Salleh<sup>1,2</sup>, Parveen Jamal<sup>1</sup> and Irwandi Jaswir<sup>1</sup>,</i>  <sup>1,2</sup> IIUM, Malaysia</p>		<p><b>ID 1132: EFFECTS OF PROCESS PARAMETERS ON SPRAY DRYING OF RECOMBINANT BROMELAIN</b>  <i>Bala, M., Amid, A., Jami, M. S Mel, M. and Salleh, H. M.,</i>                      IIUM, Malaysia</p>
<b>VIID: Bioprocess Engineering [BPE]</b>				
<b>Chairperson: Prof. Dr. Parveen Jamal</b>		<b>Co-chair: Assoc. Prof. Dr. Mohamed Elwathig Saeed Mirghani</b>		<b>Venue: Manhattan VIIIB</b>
<b>11.00 – 11.15</b>	<b>11.15 – 11.30</b>	<b>11.30–11.45</b>	<b>11.45 – 12.00</b>	<b>12.00 – 12.15</b>
<p><b>ID 1108: PLANT PROTEIN HYDROLYSATES FROM SOY BEAN AND RICE GRAIN AS A SUPPLEMENT FOR MEDIUM IN HUMAN SKIN FIBROBLAST 1184 CELL CULTURE</b>  <i>Amir Abbas Kazemzadeh Farizhandi, Sharifah Annirah Syed Abdul Rahman, Fadzilah Adibah Abdul Majid, Dayang Norulfairuz Abang Zaidel</i>                      UTM, Malaysia</p>	<p><b>ID 1035: DEVELOPMENT OF AVOCADO OIL NANOEMULSION HYDROGEL USING SUCROSE ESTER STEARATE</b>  <i>Nagib A Elmarzughi<sup>1</sup>, Ahmad M M Eid<sup>1</sup>, Hesham A M A El-Enshasy<sup>1</sup></i>  <sup>1</sup>UTM, Malaysia</p>	<p><b>ID 1107: OPTIMIZED MANUFACTURE OF FERROFLUID AND MEASUREMENT OF MAGNETICALLY BIREFRINGENCE AND DICHROISM</b>  <i>Jing-Fung Lin, Meng-Zhe Lee, Yi-Qun Lin</i>                      Far East University, Taiwan</p>	<p><b>ID 1105: EFFECT OF SEASON AND STORAGE PERIOD TIME TOWARDS ACCUMULATION OF INDIVIDUAL CAROTENOID CONTENT IN PUMPKIN FLESH (<i>Cucurbita moschata</i>)</b>  <sup>1,3</sup>Norshazila,S., <sup>2</sup>Irwandi, J., <sup>3</sup>Othman, R., and <sup>2</sup>Yumi Zuhanis, H. H.  <sup>1,2</sup>IIUM, Malaysia  <sup>3</sup>Universiti Sultan Zainal Abidin, Malaysia</p>	<p><b>ID 1110: STATISTICAL OPTIMIZATION OF PROTEIN BUFFER TO PURIFY HYDROLASES FROM THE SKIM LATEX OF <i>HEVEA BRASILIENSIS</i></b>  <i>Nazhirah Mohamed and Faridah Yusof</i>                      IIUM, Malaysia</p>
<b>12.15 – 12.30</b>		<b>12.30-12.45</b>		<b>12.45 – 13.00</b>
<p><b>ID 1136: PRETREATMENT AND HYDROLYSIS PROCESSES ON CYANOBACTERIA CELLS FOR CARBOHYDRATE PRODUCTION</b>  <i>Noraini S., Azlin S.A., Azura A.</i>                      IIUM, Malaysia</p>		<p><b>ID 1134: THE DEVELOPMENT OF A HAND GRIP DYNAMOMETER FOR REHABILITATION</b>  <i>Norazmira md noh, Siew Cheok Ng</i>                      UM, Malaysia</p>		