### Provisional Program Outline

**May 21, 2017**

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<tr>
<th>Time</th>
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<tr>
<td>14:00-18:00</td>
<td>Registration</td>
<td>Changguangxi Hotel</td>
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<td>18:00-20:30</td>
<td>Dinner</td>
<td>Changguangxi Hotel &amp; Scholars Hotel</td>
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**May 22, 2017**

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<tr>
<td>08:30-17:30</td>
<td>Registration</td>
<td>lobby of Wenhao Hall</td>
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<td>09:00-09:45</td>
<td>Opening session</td>
<td>Auditorium of Wenhao Hall</td>
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<td></td>
<td><em>Chairman:</em> Prof. Ashok Pandey</td>
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<td></td>
<td><em>Welcoming address,</em> Prof. Jian Chen, <em>Jiangnan University</em></td>
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<td><em>Welcoming address,</em> Prof. Duu-Jong Lee, <em>National Taiwan University</em></td>
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<tr>
<td>09:45-10:00</td>
<td>Photo session</td>
<td>lobby of Wenhao Hall</td>
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<tr>
<td>10:00-11:00</td>
<td>Plenary talks</td>
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<td><em>Chairs:</em> Prof. Hal Alper, Prof. Duu Jong Lee</td>
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<tr>
<td>10:00-10:30</td>
<td>Plenary 1 Prof. Mohammad J. Taherzadeh, <em>University of Borås</em></td>
<td>Auditorium of Wenhao Hall</td>
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<tr>
<td></td>
<td><em>Title:</em> Integration of 1st and 2nd generation ethanol plants using filamentous fungi</td>
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<td>10:30-11:00</td>
<td>Plenary 2 Prof. Jonathan Wong, <em>Hong Kong Baptist University</em></td>
<td>Auditorium of Wenhao Hall</td>
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<tr>
<td></td>
<td><em>Title:</em> A Myth to enhance two-phase anaerobic digestion performance</td>
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<td>11:00-11:20</td>
<td>TEA/COFFEE</td>
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<td>11:20-11:50</td>
<td>Plenary 3 Prof. R.D. Tyagi, <em>University of Québec</em></td>
<td>Auditorium of Wenhao Hall</td>
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<tr>
<td></td>
<td><em>Title:</em> Production of <em>Bacillus thuringiensis</em> based biopesticides using industrial wastewater as a raw material</td>
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<tr>
<td>12:00-14:00</td>
<td>LUNCH, University Cafeteria No.1</td>
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<td>14:00-15:25</td>
<td><strong>Bioenergy/Biofuels</strong>&lt;br&gt;<strong>Room: 313</strong>&lt;br&gt;<strong>Chairs:</strong> Prof. Shekhar Thakur, Prof. Yongjin Zhou</td>
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<td>14:00-14:20</td>
<td><strong>EB-II-1</strong> Prof. Indu Shekhar Thakur, Jawaharl Nehru University&lt;br&gt;<strong>Title:</strong> Proteomic and genomic analysis of chemolithotrophic bacteria for simultaneous sequestration of carbon dioxide and production of biofuel and biomaterials</td>
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<td>14:20-14:40</td>
<td><strong>BB-II-2</strong> Prof. Yongjin Zhou, Dalian Institute of Chemical Physics, CAS&lt;br&gt;<strong>Title:</strong> Harnessing yeast peroxisomes for production of fatty acid-derived chemicals and biofuels</td>
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<td>14:40-14:55</td>
<td><strong>BB-SO-1</strong> Dr. Wei Wu, National Cheng Kung University&lt;br&gt;<strong>Title:</strong> Life cycle assessment and optimization of microalgae-based energy systems</td>
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<td><strong>Food Engineering</strong>&lt;br&gt;<strong>Room: 203</strong>&lt;br&gt;<strong>Chairs:</strong> Dr. Sudhir P. Singh, Dr. K. Madhavan Nampoothiri&lt;br&gt;<strong>Title:</strong> An approach for biotransformation of agro-industrial residues into high-value functional biomolecules</td>
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<td><strong>Industrial Biotechnology</strong>&lt;br&gt;<strong>Room: 205</strong>&lt;br&gt;<strong>Chairs:</strong> Prof. Ganti S. Murthy, Prof. Chun Li&lt;br&gt;<strong>Title:</strong> Identifying the constraints in the xylose utilization pathways in Saccharomyces cerevisiae using non-boolean regulatory flux balance modeling</td>
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<td><strong>Upstream and Downstream Bioprocesses</strong>&lt;br&gt;<strong>Room: 107</strong>&lt;br&gt;<strong>Chairs:</strong> Prof. Akihiko Kondo, Prof. Gyoo Yeol Jung&lt;br&gt;<strong>Title:</strong> Development of microbial cell factories for consolidated bioprocessing by synthetic bioengineering platform</td>
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<tr>
<td>Time</td>
<td>Speaker 1</td>
<td>Speaker 2</td>
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</table>
| 14:55-15:10 | **BB-SO-2** Dr. Hui Wu, East China University of Science and Technology  
**Title:** Metabolic transistor strategy for controlling aerobic carbon flux in *Escherichia coli* | **EB-SO-2** Dr. J.C.W. Lan, Yuan Ze University  
**Title:** Sustainable process integration for production of polyhydroxyalkanoates and astaxanthin from spent coffee ground waste | **FE-SO-2** Dr. Bobo Zhang, Jiangnan University  
**Title:** Enhanced production of Monascus yellow pigment in a biphasic fermentation system | **IB-SO-2** Dr. Yuhong Ren, East China University of Science and Technology  
**Title:** Reversible photocontrol the Lipase activity upon photoswitchable lid |
| 15:10-15:25 | **BB-SO-3** Dr. Kiattisak Panpong, Songkhla Rajabhat University  
**Title:** Efficiency of hydrogen sulfide removal in biogas from palm oil mill industry by mixed consortium biofilter; Effect of physical and biological parameters | **EB-SO-3** Dr. Xinwen Zhang, Shandong University  
**Title:** Treatment performance of aerated surface flow constructed wetlands using exhaust gas from biological wastewater treatment | **FE-SO-3** Prof. I-Son Ng, National Cheng Kung University  
**Title:** Biofabrication of gold nanoparticles by *Shewanella*: Mechanism and optimization | **IB-SO-3** Dr. Yu Deng, Jiangnan University  
**Title:** Metabolic engineering of *E. coli* for producing adipic acid at high titer through the reverse adipate degradation pathway |
| 15:25-15:55 | **TEA/COFFEE** | **Bioenergy/Biofuels**  
**Room: 313**  
**Chairs:** Prof. Jie Bao, Prof. Suzana Ferreira-Dias | **Environmental Biotechnology**  
**Room: 311**  
**Chairs:** Dr. Xuan Thanh Bui, Prof. Yonghong Wu | **Food Engineering**  
**Room: 203**  
**Chairs:** Prof. Zhiming Rao, Prof. Hongwu Ma |
| 15:55-16:15 | **BB-IL-3** Prof. Jie Bao, East China University of Science and Technology  
**Title:** Biorefining lignocellulose biomass into commodity organic acids: | **EB-IL-3** Dr. Xuan Thanh Bui, Ho Chi Minh City University of Technology  
**Title:** Investigation of domestic wastewater treatment capacity and nutrient accumulation by | **FE-IL-3** Prof. Hongwu Ma, Tianjin Institute of Industrial Biotechnology, CAS  
**Title:** Engineering *Escherichia coli* for poly-β-hydroxybutyrate production from methanol | **IB-IL-3** Prof. Volker F. Wendisch, Bielefeld University  
**Title:** Metabolic engineering of *Corynebacterium glutamicum* and *Bacillus methanolicus* for |
| 16:15-16:30 | **Upstream and Downstream Bioprocesses**  
**Room: 107**  
**Chairs:** Prof. Daniel Tsang, Prof. In Seop Chang | **UDB-IL-3** Prof. Daniel Tsang, Hong Kong Polytechnic University  
**Title:** Kinetics of brominated acid catalyzed conversion of |
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<td>16:15-16:35</td>
<td>BB-IL-4</td>
<td>The use of tropical and Mediterranean non-edible oils for biodiesel production: The enzymatic vs. the conventional processes</td>
<td>Universidade de Lisboa, Suzana Ferreira-Dias, Institute of Soil Science, CAS</td>
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<tr>
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<td>EB-IL-4</td>
<td>Enhanced nitrogen removal by periphytic biofilm stimulated by Y₂SiO₃:Pr⁺⁺ and Y₂SiO₃: Pr³⁺, Li⁺</td>
<td>Jiangnan University, Prof. Yonghong Wu</td>
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<td>FE-IL-4</td>
<td>System metabolic engineering of Corynebacterium crenatum and its application for efficient synthesis of high-value amino acids</td>
<td>Pusan National University, Prof. Zhiming Rao</td>
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<td>IB-IL-4</td>
<td>In vivo and in vitro studies on 3-hydroxypropionic acid-inducible transcription activator protein, MmsR, of Pseudomonas denitrificans</td>
<td>Gwangju Institute of Science and Technology, Prof. Sunghong Park</td>
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<td>UDB-IL-4</td>
<td>Developments of high gas-liquid mass transfer system using hollow fibre membrane for biological Cl gas conversion</td>
<td>TSinghua University, Prof. In Seop Chang</td>
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<td>16:35-16:50</td>
<td>BB-SO-4</td>
<td>Preparation of A. succinogenes immobilized nanofiber membrane for fermentative production of succinic acid</td>
<td>Jiangnan University, Dr. Peng-Cheng Chen</td>
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<td>EB-SO-4</td>
<td>Development of an efficient process for treating dairy manure slurry by aerobic composting and anaerobic digestion</td>
<td>Sichuan University, Prof. Zhao Yong Sun</td>
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<td>FE-SO-4</td>
<td>Engineering the synthesis of key precursors for the production monoterpenes and malonyl-CoA derived chemicals in Saccharomyces cerevisiae</td>
<td>Shandong University, Dr. Jin Hou</td>
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<td>IB-SO-4</td>
<td>Enantioselective reduction of long-chain aliphatic γ-, δ-ketoacids/ketoesters by a novel bacterial alcohol dehydrogenase</td>
<td>East China University of Science and Technology, Dr. Yunpeng Bai</td>
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<td>UDB-SO-4</td>
<td>Synthetic-circuit-assisted evolutionary engineering for the improvement of metabolites production by long-term continuous evolution</td>
<td>Tsinghua University, Dr. Yinan Wu</td>
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<td>16:50-17:05</td>
<td>BB-SO-5</td>
<td>Acid-pretreated graphite cathodes for hydrogen peroxide synthesis in three-dimensional bioelectrochemical systems</td>
<td>Tianjin University, Prof. Nan Li</td>
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<td>EB-SO-5</td>
<td>Eco-electrogenic engineered system for remediation and power production</td>
<td>CSIR-Indian Institute of Chemical Technology, Dr. Patharla Chiranjeevi</td>
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<td>FE-SO-5</td>
<td>A semi-synthetic approach for rose-oxide value addition to low value Citronella essential oil</td>
<td>Université libre de Bruxelles, Dr. Bhuvan Blushan Mishra</td>
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<td>IB-SO-5</td>
<td>Pichia pastoris process optimization by methanol/sorbitol co-feeding</td>
<td>UCD University, Dr. Fickers Patrick</td>
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<td>UDB-SO-5</td>
<td>Enzyme-assisted aqueous micellar biphasic extraction of mangostins from Garcinia mangostana peels</td>
<td>UCSI University, Dr. Hui Suan Ng</td>
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<td>17:05-17:20</td>
<td>BB-SO-6</td>
<td>Exploring the salinity-induced lipid synthesis in Chlamydomonas and enhancing</td>
<td>Harbin Institute of Technology, Dr. Ming Lu</td>
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<td>EB-SO-6</td>
<td>Metabolic engineering of Bacillus subtilis for efficient production of value-added products</td>
<td>Jiangnan University, Prof. Shih-Hsin Ho</td>
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<td>FE-SO-6</td>
<td>Sustainable chiral biosynthesis by spore-coencapsulated (S)-carboxyl cellulose into levulinic acid</td>
<td>Pusan National University, Dr. Yanfeng Liu</td>
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<td>IB-SO-6</td>
<td>Synthetic circuit for viable and total cell densities</td>
<td>HAMILTON Bonaduz AG, Dr. Jochen Uhlenuken</td>
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<td>UDB-SO-6</td>
<td>Development of high gas-liquid mass transfer system using hollow fibre membrane for biological Cl gas conversion</td>
<td>TSinghua University, Prof. In Seop Chang</td>
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**Title**: Novel hemicellulolytic enzymes in extremely thermophilic Caldicellulosiruptor species drive hemicellulose biodegradation

its lipid production via engineering strategies

production of N-acetylneuraminic acid

reductase II and glucose dehydrogenase mutant using xylose as co-substrate for cofactor regeneration

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**17:20-18:00** | POSTER SESSION I
**18:30-20:00** | CULTURAL PROGRAM and DINNER, Hongli Dynasty Restaurant

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**May 23, 2017**

- **09:00-10:30** | **Plenary talks**
  Auditorium of Wenhao Hall
  **Chairs**: Prof. Yiheng Percival Zhang, Prof. Christian Larroche

- **09:00-09:30** | **Plenary 4 Prof. Jing Wu, Jiangnan University**
  Title: Strategies for enhancing extracellular expression of recombinant enzymes

- **09:30-10:00** | **Plenary 5 Prof. Hal Alper, The University of Texas**
  Title: Metabolic Engineering of *Yarrowia lipolytica* for fuels and chemicals production

- **10:00-10:30** | **Plenary 6 Prof. Duu-Jong Lee, National Taiwan University**
  Title: The use of lignin as renewable resources

- **10:30-11:00** | **TEA/COFFEE**

- **11:00-12:00** | **Plenary talks**
  Auditorium of Wenhao Hall
  **Chairs**: Prof. Hao Huu Ngo, Dr. Thallada Bhaskar

- **11:00-11:30** | **Plenary 7 Prof. Xin-Hui Xing, Tsinghua University**
  Title: ARTP mutagenesis as a useful tool for reverse and systematic engineering of microbial cell factories

- **11:30-12:00** | **Plenary 8 Prof. Yiheng Percival Zhang, Tianjin Institute of Industrial Biotechnology, CAS**
  Title: An in vitro synthetic biology platform for the industrial biomanufacturing of myo-inositol from starch

- **12:00-14:00** | **LUNCH, University Cafeteria No.1**

- **14:00-15:25** | **Bioenergy/Biofuels**
  Room: 313

- **Environmental Biotechnology**
  Room: 311

- **Food Engineering**
  Room: 203

- **Industrial Biotechnology**
  Room: 205

- **Upstream and Downstream Bioprocesses**
  Room: 107
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<tr>
<td>14:00-14:20</td>
<td>Dr. Shangxian Xie, Dr. Gwendoline Christophe</td>
<td>Advanced biodesign for efficient lignin bioconversion</td>
<td>Photobioreactor cultures grown outdoors inTitle: Jiangsu University and fermentation using sequential hydrolysis by production from potato waste.</td>
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<td>14:10-14:30</td>
<td>Prof. Jo-Shu Chang, Prof. Zengqiang Zhang</td>
<td>Microalgae-based wastewater treatment and circular economy</td>
<td>Title: National Cheng Kung University. Understanding the light harvesting function of phycobiliproteins by X-ray Crystallography and its therapeutic applications.</td>
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<td>14:20-14:40</td>
<td>Dr. Gwendoline Christophe, Université Clermont Auvergne</td>
<td>Treatment of different sludge in continuous by dark fermentation with submerged membrane anaerobic bioreactor</td>
<td>Title: Effects of biochar combined with medical stone amendment on microbial diversity and potential mitigation of greenhouse gas emission during biosolids.</td>
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<td>14:30-14:50</td>
<td>Dr. Meena Krishania, Center of Innovative and Applied Bioprocessing</td>
<td>Gluconic acid production from potato waste by Gluconobacter oxydans using sequential hydrolysis and fermentation</td>
<td>Title: Center of Innovative and Applied Bioprocessing. Enzymatic valorisation of corn processing by-products into value added products.</td>
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<tr>
<td>14:40-14:55</td>
<td>Dr. Yi Jiang, Shandong University</td>
<td>Gluconic acid production from potato waste by Gluconobacter oxydans using sequential hydrolysis and fermentation</td>
<td>Title: National I-Lan University. Feasibility study on biostimulation of edible flora and tea extract for bioenergy applications.</td>
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<td>14:55-15:10</td>
<td>Dr. Shuhao Huo, Jiangsu University</td>
<td>Biomass accumulation of Chlorella zofingiensis G1 cultures grown outdoors in photobioreactor</td>
<td>Title: National Chung Hsing University. Astaxanthin reduces MMP expressions, suppresses cancer cell migrations, and triggers</td>
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<td>15:00-15:20</td>
<td>Prof. Datta Madamwar, Prof. Claude-Gilles Dussap</td>
<td>Yeast Fab: an efficient biopolymer production from Candida antarctica B and Candida rugosa for the production of ethyl lactate from cheese whey</td>
<td>Title: University of Minnesota. Application of lipases from Candida antarctica B and Candida rugosa for the production of ethyl lactate from cheese whey.</td>
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<td>15:10-15:30</td>
<td>Prof. R. Kazlauskas</td>
<td>Microfluidic technologies to increase photoautotrophic biofuel production in microalgae</td>
<td>Title: Microbial biosynthesis of 1,2-phenylenediamine using mixed cultures of microalgae and engineered bacteria.</td>
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<td>15:20-15:40</td>
<td>Dr. Michalis Koutinas, Cyprus University of Technology</td>
<td>Innovative bioprocessing and carbohydrate nano-tubes development based on nano-cellulose</td>
<td>Title: Application of lipases from Candida antarctica B and Candida rugosa for the production of ethyl lactate from cheese whey.</td>
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<td>15:30-15:50</td>
<td>Prof. Jingwen Zhou, Tsinghua University</td>
<td>Microencapsulated yeast cells for culture in aqueous-organic solvent biphasic system</td>
<td>Title: Heterologous biosynthesis of flavonolignans with microorganisms.</td>
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<td>15:10-15:25</td>
<td>BB-SO-9 Dr. Yucai He, Changzhou University</td>
<td>Catalyst conversion of corn cob to furfuralcohol by tandem catalysis with solid acid SO$_3^-$ and Kaoline and recombination E. coli CCZU-T15 whole cells</td>
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<td>EB-SO-9 Dr. Ning Li, South China University of Technology</td>
<td>Biocatalytic reduction of 5-hydroxymethylfurfural (HMF) to 2,5-bis(hydroxymethyl)furan using highly HMF-tolerant Meyerozyma guilliermondii SC1103 cells</td>
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<td>FE-SO-9 Dr. Chuxiao Wang, Northwest A&amp;F University</td>
<td>Hydrogen sulfide synthesis in native Saccharomyces cerevisiae strains during alcoholic fermentations</td>
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<td>IB-SO-9 Dr. Guochao Xu, Jiangnan University</td>
<td>Hydrogen sulfide characterization of promising ketoreductases from genome hunting library of Candida glabrata</td>
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<td>15:25-15:55</td>
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<td>Bioenergy/Biofuels</td>
<td>Engineering Saccharomyces cerevisiae for expanding substrate utilization and biochemicals production</td>
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<td>Screening, identification and exploitation of polysaccharides from microalgae</td>
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<td>Transglycosylation of genistein by Paenibacillus macerans cyclodextrin glycosyltransferase to improve its water solubility</td>
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<td>Industrial Biotechnology</td>
<td>Recombinant chondroitin AC lyase (PsPL8A) from Pedobacter saltans and its applications in therapeutics and functional foods</td>
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<td>Upstream and Downstream Bioprocesses</td>
<td>Microbial enhanced oil recovery: A critical perspective</td>
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<tr>
<td>15:55-16:15</td>
<td>BB-IL-7 Prof. Xiaoming Bao, Shandong University</td>
<td>Engineering Saccharomyces cerevisiae for expanding substrate utilization and biochemicals production</td>
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<td>16:15-16:35</td>
<td>BB-IL-8 Prof. Suzana Yusup, Universiti Teknologi PETRONAS</td>
<td>Natural low-transition-temperature mixture (LTTM): Preparation of dye affinity nanoﬁber membrane: its development and application to Lactobacillus diolivorans by the carbon feed</td>
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<td>16:35-16:50</td>
<td>BB-SO-10</td>
<td>Dr. Zhiqiang Wen, Nanjing University of Science &amp; Technology</td>
<td>Title: Enhanced solvent production by metabolic engineering of a twin-clostridial consortium</td>
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<td>EB-SO-10 Dr. Shoushuai Feng, Jiangnan University</td>
<td>Title: Improved chalcopyrite bioleaching by weakening the main passivation effects of jarosite layer and sulfur membrane with mixed strains of Acidithiobacillus sp.</td>
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<td>IB-SO-10 Dr. Meng Wang, Tianjin Institute of Industrial Biotechnology</td>
<td>Title: Lab automation for industrial biotechnology: high-throughput cloning and parts assembly</td>
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<td>16:50-17:05</td>
<td>BB-SO-11</td>
<td>Dr. M. V. Rohit, CSIR-Indian Institute of Chemical Technology</td>
<td>Title: Multi-parametric stress influence and role of trophic stimulus on simultaneous lipid induction in Chlorella sp. during waste remediation</td>
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<td>FE-SO-11 Dr. Jianrong Wu, Jiangnan University</td>
<td>Title: Balance of proton and monovalent cation affect the molecular weight stability of polysialic acid in E. coli fermentation broth</td>
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<td>IB-SO-11 Dr. Meng Wang, Tianjin Institute of Industrial Biotechnology</td>
<td>Title: Lab automation for industrial biotechnology: high-throughput cloning and parts assembly</td>
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<tr>
<td>17:05-17:20</td>
<td>BB-SO-12</td>
<td>暂缺</td>
<td>Title: A fluorescence approach to assess the enhanced biosorption process of heavy metal onto sludge-derived biochar in the presence of effluent organic matter</td>
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<td>FE-SO-12 Dr. Dong Wei, University of Jinan</td>
<td>Title: A novel approach of cold plasma at atmospheric pressure in enhancing blueberry quality</td>
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<td>IB-SO-12 Dr. A. Manisha, Center of Innovative and Applied Bioprocessing</td>
<td>Title: Simple sugars production by the transformation of lignocellulosic biomass using unique chemo-enzymatic hydrolysis method</td>
</tr>
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17:20-18:00 POSTER SESSION II
18:30-20:00 DINNER, Chongguangxi Hotel & Scholars Hotel
<table>
<thead>
<tr>
<th>Time</th>
<th>Bioenergy/Biofuels</th>
<th>Environmental Biotechnology</th>
<th>Food Engineering</th>
<th>Industrial Biotechnology</th>
<th>Upstream and Downstream Bioprocesses</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00-9:55</td>
<td>Room: 313 Chairs: Prof. Xiaoming Bao, Prof. Xinqing Zhao</td>
<td>Room: 311 Chairs: Dr. Chengdi Dong, Prof. Shihiu Yang</td>
<td>Room: 203 Chairs: Prof. Xiaobei Zhan, Prof. Christobal N. Aguilar</td>
<td>Room: 205 Chairs: Prof. Dawei Zhang, Prof. Ram Sarup Singh</td>
<td>Room: 107 Chairs: Prof. Christian Larroche, Prof. Paramasamy Gunasekaran</td>
</tr>
<tr>
<td>09:00-9:20</td>
<td><strong>BB-IL-9</strong> Dr. Raveendran Sindhu, CSIR- National Institute for Interdisciplinary Science and Technology Title: Pretreatment strategies for chili post-harvest residue biorefinery</td>
<td><strong>EB-IL-9</strong> Prof. Chengdi Dong, National Kaohsiung Marine University Title: Synthesis of magnetic biochar from bamboo biomass to activate persulfate for the removal PAHs in marine sediments</td>
<td><strong>FE-IL-9</strong> Prof. Cristobal N. Aguilar, Universidad Autónoma de Coahuila Title: Biodegradation of ellagitannins as tool for production of ellagic acid by fungal fermentation: enzymes and intermediates</td>
<td><strong>IB-IL-9</strong> Prof. Ram Sarup Singh, Punjabi University Title: Production, purification and characterization of pullulan from <em>Aureobasidium pullulans</em> for the preparation of biofilms</td>
<td><strong>UBD-II-9</strong> Prof. Christian Larroche, Université Clermont Auvergne Title: Present status and perspectives of immersed membrane bioreactors</td>
</tr>
<tr>
<td>09:20-9:40</td>
<td><strong>BB-IL-10</strong> Prof. Xinqing Zhao, Shanghai Jiao Tong University Title: Metabolic engineering of yeast and <em>Trichoderma reesei</em> for biofuel production</td>
<td><strong>EB-IL-10</strong> Prof. Shihiu Yang, Hubei University Title: Microbial biocatalyst development for economic advance biofuel production in omics era</td>
<td><strong>FE-IL-10</strong> Prof. Xiaobei Zhan, Jiangnan University Title: Characteristics of Rh3+ biosorption by <em>Pichia Pastoris</em></td>
<td><strong>IB-IL-10</strong> Prof. Dawei Zhang, Tianjin Institute of Industrial Biotechnology Title: Strategies of enzyme production in <em>Bacillus subtilis</em> and application examples</td>
<td><strong>UBD-II-10</strong> Prof. Paramasamy Gunasekaran, VIT University Chennai Campus Title: Enzymes and antimicrobials of <em>Bacillus paralicheniformis</em> MKU3 for applications in leather industry</td>
</tr>
<tr>
<td>09:40-9:55</td>
<td><strong>BB-SO-13</strong> Dr. J Shanthi Sravan, CSIR-Indian Institute of Chemical Technology Title: Cathodic reductive recovery of selenium in novel biocatalyzed electrochemical system</td>
<td><strong>EB-SO-13</strong> Dr. Chengtuo Niu, Jiangnan University Title: Insight into the thermostability of bacterial 1,3-1,4-β-glucanases through spatial compartmentalization of mutational hotspots</td>
<td><strong>FE-SO-13</strong> Prof. Chengjian Jiang, Guangxi University Title: Protein engineering by random mutagenesis of a metagenome-derived bifunctional cysteine sulfinate decarboxylase for the biosynthesis of taurine</td>
<td><strong>IB-SO-13</strong> Dr. Mukesh Kumar Awasthi, Northwest A&amp;F University Title: Role of Ca-bentonite and biochar for mitigation of greenhouse gas emissions during the bio-waste composting</td>
<td><strong>UBD-SO-13</strong> Dr. Hongbo Zhou, Central South University Title: Responses of microbial community to temperature and pH stresses in bioleaching of low grade copper sulfide</td>
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9:55-10:25 TEA/COFFEE
<table>
<thead>
<tr>
<th>Time</th>
<th>Bioenergy/Biofuels Room: 313</th>
<th>Environmental Biotechnology Room: 311</th>
<th>Food Engineering Room: 203</th>
<th>Industrial Biotechnology Room: 205</th>
<th>Upstream and Downstream Bioprocesses Room: 107</th>
</tr>
</thead>
</table>
| 10:25-11:00 | **Bioenergy/Biofuels**  
**Chairs:** Prof. R.D. Tyagi, Dr R Sindhu  
**Room:** 313 | **Environmental Biotechnology**   
**Chairs:** Prof. Shih-Hsin Ho, Prof G Baskar | **Food Engineering**  
**Chairs:** Prof. Chengjian Jiang, Prof Carlos R Soccol  
**Room:** 203 | **Industrial Biotechnology**  
**Chairs:** Prof. M. J. Taherzadeh, Dr Mukesh K Awasthi  
**Room:** 205 | **Upstream and Downstream Bioprocesses**  
**Chairs:** Dr. Neelam Singh Sangwan, Dr. Sunita J. Varjani |
| 10:25-10:45 | **Bioenergy/Biofuels**  
**Room:** 313  
**Chairs:** Prof. R.D. Tyagi, Dr R Sindhu | **Environmental Biotechnology**  
**Room:** 311  
**Chairs:** Prof. Shih-Hsin Ho, Prof G Baskar  
**Title:** Co-factor engineering of Cyanobacteria for enhancing ethanol production | **Food Engineering**  
**Room:** 203  
**Chairs:** Prof. Chengjian Jiang, Prof Carlos R Soccol  
**Title:** Identification and applications of the environmental stimuli that induce higher secondary metabolites production in solid-state fermentation | **Industrial Biotechnology**  
**Room:** 205  
**Chairs:** Prof. M. J. Taherzadeh, Dr Mukesh K Awasthi  
**Title:** Cell-free synthetic biotechnology: an emerging engineering strategy to revolutionize the biomanufacturing | **Upstream and Downstream Bioprocesses**  
**Room:** 107  
**Chairs:** Dr. Neelam Singh Sangwan, Dr. Sunita J. Varjani |
| 10:45-11:00 | **Bioenergy/Biofuels**  
**Room:** 313  
**Chairs:** Prof. R.D. Tyagi, Dr R Sindhu | **Environmental Biotechnology**  
**Room:** 311  
**Chairs:** Prof. Shih-Hsin Ho, Prof G Baskar | **Food Engineering**  
**Room:** 203  
**Chairs:** Prof. Chengjian Jiang, Prof Carlos R Soccol  
**Title:** Development of functional starter cultures to improve quality of coffee and cocoa beans | **Industrial Biotechnology**  
**Room:** 205  
**Chairs:** Prof. M. J. Taherzadeh, Dr Mukesh K Awasthi  
**Title:** Cell-free synthetic biotechnology: an emerging engineering strategy to revolutionize the biomanufacturing | **Upstream and Downstream Bioprocesses**  
**Room:** 107  
**Chairs:** Dr. Neelam Singh Sangwan, Dr. Sunita J. Varjani |

**11:15-12:15** **Plenary talks**  
Auditorium of Wenhao Hall  
**Chairman:** Prof. Guocheng Du, Dr Bhuwan B Mishra

**11:15-11:45** **Plenary 9**  
**Dr. Thallada Bhaskar, CSIR-Indian Institute of Petroleum**  
**Title:** Thermochemical platform for valorization of biomass: Opportunities and Challenges
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>11:45-12:15</td>
<td><strong>Plenary 10 Dr. Huu Hao Ngo, University of Technology Sydney</strong></td>
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<td><strong>Title:</strong> The effects of HRT on the performance of a hybrid moving bed biofilm reactor-membrane bioreactor system for micropollutant removal</td>
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<td>12:15-12:30</td>
<td><strong>Closing session</strong></td>
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<td>Auditorium of Wenhao Hall</td>
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<td><strong>Chairman:</strong> Prof. Guocheng Du</td>
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<td>12:30-14:00</td>
<td><strong>LUNCH, Changguangxi Hotel &amp; Scholars Hotel</strong></td>
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