

Session E1: Bioenergy & Biorefinery

June 23 (Friday), Room AC222, 2nd floor International Conference Hall

16:40 Invited Speech

Prof. Vichai Leelavatcharamas
Department of Biotechnology, Khon Kaen University

17:05 E-1: Feasibility study of electrochemical-steered applications using wastes of edible flora

An-Wei Hsu, Chung-Chuan Hsueh and Bor-Yann Chen*, National Ilan University, Ilan, Taiwan*

17:20 E-2: *In vitro* biosynthesis of 3-hydroxypropionic acid from glucose

Ting-Yin Liu and Yu-Shen Cheng, National Yunlin University of Science and Technology, Yunlin, Taiwan*

17:35 E-3: Study on immobilized cellulosome on regenerated cellulose membrane

Liang-Yu Yang and Yung-Chuan Liu, National Chung Hsing University, Taichung, Taiwan*

17:50 E-4: Strategies for effective recovery of succinic acid from fermentation broth

Tzu-Yu Li, Kuan-Jung Li, Yung-Chung Lo and Jo-Shu Chang, National Cheng Kung University, Tainan, Taiwan*

Session E2: Bioenergy & Biorefinery

June 24 (Saturday), Room MA102, 1st floor Management Building I

14:00 E-5: Biodiesel production from wet microalgae and yeast by direct saponification-esterification conversion

Liang-Yu Hou and Hwai-Shen Liu, National Taiwan University, Taipei, Taiwan*

14:15 E-6: Designing and optimizing perfluorocarbon photobioreactor system to enhance efficiencies of CO₂ extraction and microalga cultivation

Jen-Hou Sun and Yu-Hsiang Lee, National Central University, Taoyuan, Taiwan*

14:30 E-7: Direct bioconversion of carbon dioxide to butyric acid using cyanobacteria

Martin C. Lai and Ethan I. Lan, National Chiao Tung University, Hsinchu, Taiwan*

- 14:45** E-8: Production of bioethanol from pretreated-wood dust by simultaneous saccharification and co-fermentation process
Yin-Chen Lin, Ya-Lien Ciou, I-Ming Chu, Shen-Long Tsai, Wei-Chuan Chen, Yu-Hong Wei, Yuan Ze University, Taoyuan, Taiwan*
- 15:00** E-9: Production of bacteriocin by Lactic acid bacterial using spent coffee ground as feedstock
Chia-Wei Huang and Yu-Shen Cheng, National Yunlin University of Science and Technology, Yunlin, Taiwan*
- 15:15** E-10: Evaluation of feeding strategies for poly(3-hydroxybutyrate-3-hydroxyvalerate-4-hydroxybutyrate) production by *Ralstonia eutropha*
Tse-Hao Chen and John Chi-Wei Lan, Yuan Ze University, Taoyuan, Taiwan*