

## Session G: Environmental Biotechnology

June 24 (Saturday), Room MA106, 1st floor Management Building I

- 10:50** G-1: Lactic acid fermentation with renewable feedstock  
*Atika Nandini, N Dilli Rani, Kuan-Jung Li, Po-Ting Chen and Jo-Shu Chang\**, National Cheng Kung University, Tainan, Taiwan
- 11:05** G-2: Bacterial biodegradation of various polyesters by recombinant *Escherichia coli* harboring phaz depolymerase and extra open reading frame from *Caldimonas manganoxidans*  
*Ming-Chieh Lee, Chen-Han Yang, En-Jung Liu, Ri-Jung Hsiao and Si-Yu Li\**, National Chung Hsing University, Taichung, Taiwan
- 11:20** G-3: Microbial induced calcite precipitation using industrial wastewater as a substitution to bacteria and cement paste and mortar application  
*Yi-Hsun Huang and Chien-Yen Chen\**, National Chung Cheng University, Chiayi, Taiwan
- 11:35** G-4: Specific functional protein for recovery of gold from industrial wastewater  
*Ferdian Susanto Yin-Lung Han, Kuan-Jung Li, Chieh-Lun Cheng, Shin-Te Wu and Jo-Shu Chang\**, National Cheng Kung University, Tainan, Taiwan
- 11:50** G-5: Glucose-derived spherical biochar prepared from different pyrolysis temperatures: synthesis, characterization, and application in water treatment  
*Hai Nguyen Tran and Huan-Ping Chao*, Chung Yuan Christian University, Taoyuan, Taiwan
- 12:05** G-6: Basic oxygen furnace slag (BOFS) as the support for the cultivation and attachment of marine microalgae for developing an artificial reef  
*Kai-Wei Zhuang, Chun-Yen Chen\*\*, Kai-Wei Zhuang, Tse-Min Lee and Jo-Shu Chang\**, National Cheng Kung University, Tainan, Taiwan