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Education

2011 Ph.D. University of California Riverside

2003 M.S. National Tsing Hua University

2001 B.S. Da-Yeh University

Professional Experience

2017-Present Vice Dean of the Office of International Affairs. National Taiwan University of Science and Technology, Taiwan.

2012-Present Professor, Department of Chemical Engineering. National Taiwan University of Science and Technology.

Associate Professor, Department of Chemical Engineering. National Taiwan University of Science and Technology.

Assistant Professor, Department of Chemical Engineering. National Taiwan University of Science and Technology.

2011-2012 Postdoctoral scholar, Department of Chemical and Biomolecular Engineering. University of Delaware.

2011 Visiting researcher, Department of Chemical Engineering. University of Delaware.

Selected Publications

Yu-Cheng Liu, Yu-Chen Hu, I-Ming Chu, Yu-Hong Wei, Shen-Long Tsai, Biodegradation of tetramethylammonium chloride wastewater and inorganic nitrogen removal by a mixed culture. *Journal of Environmental Chemical Engineering*, 2022. 10, 106931.

Nathania Puspitasari, Shen-Long Tsai, Cheng-Kang Lee, Fungal hydrophobin RoIA enhanced PETase hydrolysis of polyethylene terephthalate. *Applied Biochemistry and Biotechnology*, 2021. 193, 1284-1295.

Lita Amalia, Ya-Hui Zhang, Yi-Hsu Ju, Shen-Long Tsai, Enhanced Lipid Production in *Yarrowia lipolytica* Po1g by Over-expressing Iro1 Gene under Two Different Promoters. *Applied Biochemistry and Biotechnology*, 2020. 191, 104-111.

Chih-Ting Hsu, Yang-Cheng Kuo, Yu-Cheng Liu, Shen-Long Tsai, Green conversion of 5-hydroxymethylfurfural to furan-2, 5-dicarboxylic acid by heterogeneous expression of 5-hydroxymethylfurfural oxidase in *Pseudomonas putida* S12. *Microbial biotechnology*, 2020. 13, 1094-1102.

Fu-Hsiang Su, Ian Dominic Flormata Tabañag, Chih-Yun Wu, Shen-Long Tsai, Decorating outer membrane vesicles with organophosphorus hydrolase and cellulose binding domain for organophosphate pesticide degradation. *Chemical Engineering Journal*, 2017. 308, 1-7.

Chi-Wen Lin, Chih-Hung Wu, Yu-Hsuan Chiu, Shen-Long Tsai, Effects of different mediators on electricity generation and microbial structure of a toluene powered microbial fuel cell. *Fuel*, 2014. 125, 30-35.