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Education

PhD The University of Tokyo

M.S. The University of Tokyo

B.S. National Taiwan University

Professional Experience

2008-Present Professor, Institute of Biotechnology, National Taiwan University

Associate Professor, Institute of Biotechnology, National Taiwan University

Associate Professor, Institute of Biotechnology, National Taiwan University

2021-Present Adjunct Professor, Department of Agricultural Chemistry, National Taiwan University

2022-Present Research Fellow, Agricultural Biotechnology Research Center (ABRC), Academia Sinica

2017-Present Head, Research & Development Division Center for International Agricultural Education & Academic Exchanges

2004-2008 Project Researcher, Biotechnology Research Center, The University of Tokyo

Selected Publications

Zhao, WX., Ting, HM., Zhang, YY., Lee, SK., Wang, CN., Liu, CT., Beneficial effects of microbial volatile organic compounds derived from *Rhodopseudomonas palustris* on plant growth and biological control, *Plant and Soil*, Dec. 2024

Tseng, WS., Lee, MJ., Wu, JA., Kuo, SL., Chang, SL., Huang, SJ., Liu, CT., Poly(butylene adipate-co-terephthalate) biodegradation by *Purpureocillium lilacinum* strain BA1S., *Appl Microbiol Biotechnol*, vol. 107, pp. 6057-6070, Aug. 2023

Chien, HL., Tsai, YT., Tseng, WS., Wu, JA., Kuo, SL., Chang, SL., Huang, SJ., Liu, CT., Biodegradation of PBSA Films by Elite *Aspergillus* Isolates and Farmland Soil, *Polymers*,

vol. 14:1320, Mar. 2022

Lee, SK., Lur, HS., Liu, CT., From lab to farm: Elucidating the beneficial roles of photosynthetic bacteria in sustainable agriculture, *Microorganisms* , vol. 9, pp. 2453-, Nov. 2021

Hsu, SH., Sheng, MW., Chen, JC., Lur, HS., Liu, CT., Photosynthetic bacterium *Rhodopseudomonas palustris* strain PS3 exerts plant growth-promoting effects via stimulating nitrogen uptake and elevating auxin levels in expanding leaves, *Front Plant Sci*, vol. 12, pp. 573634-, Feb. 2021

Lee SK, Lur HS, Lo KJ, Cheng KC, Chuang CC, Tang, SJ, Yang, ZW, Liu CT, Evaluation of the effects of different liquid inoculant formulations on the survival and plant-growth-promoting efficiency of *Rhodopseudomonas palustris* strain PS3, *Appl Microbiol Biotechnol* , vol. 100, pp. 7977-, 2016

Wong W, Tseng CH, Hsu SH, Lur HS, Mo CW, Huang CN, Lee KT, Liu CT, Promoting effects of a single *Rhodopseudomonas palustris* inoculant on plant growth by *Brassica rapa chinensis* under low fertilizer input, *Microbes and Environments*, 29, pp. 303-313, 2014