

Po-Jung Huang

Associate Professor

Department of Chemical and Materials
Engineering

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Webpage: <https://www.cme.ncu.edu.tw/p/405-1015-9820,c1914.php?Lang=en>
<https://advanced-multifunctional-material-lab.webnode.page/>

Education:

Ph. D of Material Science and Engineering, Texas A&M University, College Station, TX, U.S.A.

Experience:

Associate Professor, Department of Chemical and Materials Engineering, National Central University, 2025 to present

Assistant Professor, Department of Chemical and Materials Engineering, National Central University, 2023 to 2025

Assistant Professor, Institute of Environmental Engineering, National Sun Yat-sen University, 2020 to 2023

Specially Appointed Assistant Professor, Institute of Environmental Engineering, National Sun Yat-sen University, 2018 to 2020

Selective Honors & Awards:

LCY Distinguished Young Professor Award, 2025

Research Areas:

Hydrogel and polymeric membrane materials

Metal/Covalent organic composite framework porous materials and applications

Decomposition and recycling of plastic waste

Carbon dioxide fixation and conversion

Selective Publications:

1. Wei-Lun Hung, Ju-Chun Kao, Chih-Yi Su, Tina Jen, Tsung-Lin Hsieh, Hou-Yi Li, Jiun-Jen Chen, Po-Jung Huang, CyreneTM as green bioderived solvent for the preparation of PVDF Micro-porous membrane Applying desalination via direct contact membrane distillation (DCMD). (2025) *Separation and Purification Technology*, 379, 134961
2. Fang-yu Liang, Yen-Ping Peng, Kun-Yi Andrew Lin, Po-Jung Huang, Photoreduction of carbon dioxide into methane and ethylene using TiO₂ inverse opal-derived PCN-222 (M). (2024) *Journal of Environmental Chemical Engineering*, 12(5), 113825