

Tawan Sooknoi

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Education

1996 Ph. D. University of Manchester Institute of Science & Technology (Chemistry)
1991 B.Sc. King Mongkut's Institute of Technology Ladkrabang (Industrial Chemistry)

Professional Career

2016 – Present Professor of Chemistry, KMITL, Thailand
2008 – 2016 Adjunct, Research Faculty, University of Oklahoma, USA
2006 – 2016 Associate Professor, Chemistry, KMITL, Thailand
1999 – 2006 Assistant Professor, Chemistry, KMITL, Thailand

Selected Publications

1. Chanisara Nooto, Panalee Chuaykaew, Pawanrat Singthuen, Thanasak Solos, Yardthip Preedawichitkun, Kanyanat Khosukwiat, Kanokwan Wengwirat, Praty Promchana, Raju Kumar, Po-Wen Chung, Yingyot Poo-arporn, Wanwisa Limphirat, Kittisak Choojun, Tawan Sooknoi, Reversibly interconverted $\text{Cu}^+/\text{Cu}^+\text{-H}$ species as active sites for selective hydrogenation of fatty acid methyl esters to fatty alcohol over layered double hydroxide derived CuMgAlO_x catalysts, *Molecular Catalysis* 575, 114898
2. [Water-assisted ketonization of methyl palmitate to palmitone over metals incorporated \$\text{TiO}_2\$ catalysts](#), Jetsadagorn Pittayatornkul, Tosapol Maluangnont, Siriporn Jongpatiwut, Piyasan Praserttham, Makoto Ogawa and **Tawan Sooknoi**, *Reaction Chemistry & Engineering*, 9 (2024) 2345-2357
3. [Tuning \$\text{Cu}^+\$ species/Brønsted acids of copper phyllosilicate by \$\text{K}^+\$ doping for selective hydrogenation of methyl palmitate to hexadecanol](#), Warot Prasanseang; Kittisak Choojun; Yingyot Poo-arporn; Ai-Lin Huang; Yu-Chuan Lin; En Chen; Hsin-Hui Lee; Po-Wen Chung; **Tawan Sooknoi**, *Journal of Catalysis* 428 (2023) 115115.
4. [Direct conversion of glycerol to n-propanol over a tandem catalytic dehydration–hydrogenation system](#), Thanasak Solos, Napanot Methiritthikul, Chanakran Homla-or, Preedawan Duangchan, Kittisak Choojun and **Tawan Sooknoi**, *Catalysis Science & Technology*, 2022, 12, 5053-5066.

Research Interests

1. Heterogeneous Catalysis.
2. Bio-based chemicals & fuels

Awards

1. Research Team Promotion Grant, Award from National Research Council of Thailand 2020, 2025
2. Fulbright Scholar/Advanced Research and University Lecturing Award in the United States 2007
3. Science and Technology Research Award from Thailand Toray Science Foundation (TTSF), 2000