

Atthapon Srifa, D.Eng.



Date of Birth : 25 April 1983
Nationality : Thai
Position : Associate Professor
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ACADEMIC QUALIFICATIONS

2015: D.Eng. (Chemical Engineering), Chulalongkorn University, Bangkok, Thailand
2019: M.Eng. (Chemical Engineering), Kasetsart University, Bangkok, Thailand
2006: B.Sc. (Chemistry), Prince of Songkla University, Songkla, Thailand

EMPLOYMENT EXPERIENCES

2025-Present **Deputy Department Chair**, Department of Chemical Engineering,
Faculty of Engineering, Mahidol University, Nakhon Pathom, Thailand
2020-Present **Program Chair in Chemical Engineering Program** (ABET Accredited),
Department of Chemical Engineering, Faculty of Engineering, Mahidol
University, Nakhon Pathom, Thailand
2022 – Present **Associate Professor**, Department of Chemical Engineering, Faculty of
Engineering, Mahidol University, Nakhon Pathom, Thailand
2019 – 2022 **Assistant Professor**, Department of Chemical Engineering, Faculty of
Engineering, Mahidol University, Nakhon Pathom, Thailand
2017 – 2019 **Lecturer**, Department of Chemical Engineering, Faculty of Engineering,
Mahidol University, Nakhon Pathom, Thailand

AWARD AND HONORS RECEIVED

2025 Mahidol University's Top 1% Researcher 2025
2025 Mahidol University's Rising Researcher in Science and Technology 2025

PROFESSIONAL MEMBERSHIP / QUALIFICATIONS / RECOGNITION

Thailand

- Mahidol University Professional Standards Framework (MUPSF) Level 2

RESEARCH INTERESTS

- Heterogenous Catalysis
- Catalytic reaction engineering
- Biomass conversion to biofuels and biochemical

Selected International Publications (top 10 publications)

Authors	Title	Year	Source	DOI
W. Praikaew, J. Chuseang, J. Prameswari, S. Ratchahat, W. Chaiwat, W. Koo-amornpattana, S. Assabumrungrat, Y.-C. Lin, <u>A. Srifa*</u>	Production of Sustainable Aviation Fuel by Deoxygenation and Isomerization of Triglycerides over Bifunctional Ir–ReO _x /SAPO-11 Catalyst	2024	ChemPlusChem	https://doi.org/10.1002/cplu.202400075
A. Kittisabhorn, I. Ahmed, S. Ratchahat, W. Chaiwat, W. Koo-amornpattana, W. Klysubun, Y. Poo-arporn, W. Limphirat, P. Khemthong, S. Assabumrungrat, <u>A. Srifa*</u>	Construction of Ni–Re Supported on Hydrotalcite-Derived MgAl Catalysts for Promoting the Ring Hydrogenation of Furfural into Tetrahydrofurfuryl Alcohol in Water	2024	ChemCatChem	https://doi.org/10.1002/cctc.202400614
M. Kalong, W. Praikaew, S. Ratchahat, W. Chaiwat, W. Koo-amornpattana, W. Klysubun, W. Limphirat, S. Assabumrungrat, <u>A. Srifa*</u>	Continuous Furfural Hydrogenolysis into 2-Methylfuran and 2-Methyltetrahydrofuran over Cu/γ–Al ₂ O ₃ with ReO _x and WO _x as Catalyst Boosters	2024	Energy & Fuels	https://doi.org/10.1021/acs.energyfuels.4c01060
A. Kittisabhorn, I. Ahmed, W. Pornputtapitak, S. Ratchahat, W. Chaiwat, W. Koo-amornpattana, W. Klysubun, W. Limphirat, S. Assabumrungrat, <u>A. Srifa*</u>	Constructing Ni–Pt Bimetallic Catalysts for Catalytic Hydrogenation and Rearrangement of Furfural into Cyclopentanone with Insight in H/D Exchange by D ₂ O Labeling	2024	ACS Omega	https://doi.org/10.1021/acsomega.4c02827
<u>A. Srifa*</u> , M. Kalong, W. Praikaew, S. Ratchahat, W. Chaiwat, W. Koo-Amornpattana, W. Klysubun, W. Limphirat, S. Assabumrungrat, S. Kawi	Regulation of Pt Loading on Co/Al ₂ O ₃ Catalysts for Selective Hydrogenation and Hydrogenolysis of 5-Hydroxymethylfurfural to 2,5-Bis(hydroxymethyl)furan and 2,5-Dimethylfuran	2024	ChemCatChem	https://doi.org/10.1002/cctc.202301360

J. Chuseang, V. Itthibenchapong, A. Srifa* , W. Praikaew, S. Tuntithavornwat, B. Rungtaweevoranit, S. Ratchahat, W. Koo-Amornpattana, W. Klysubun, A. Eiad-ua, W. Kiatkittipong, S. Assabumrungrat	Enhancing the Hydrodeoxygenation and Isomerization using Re Nanoparticles Decorated on Ni/SAPO-11 Catalysts for Direct Production of Low-Cold Flow Diesel from Triglycerides	2023	ChemCatChem	https://doi.org/10.1002/cctc.202300543
M. Kalong, A. Srifa* , S. Ratchahat, W. Koo-amornpattana, Y. Poo-arporn, W. Limphirat, P. Khemthong, S. Assabumrungrat, K. Tomishige, S. Kawi,	Continuous flow hydrogenolysis of 5-hydroxymethylfurfural into 2,5-dimethylfuran over alumina-supported nickel-iron alloy catalysts	2023	Sustainable Energy & Fuels	https://doi.org/10.1039/D2SE01683D
M. Kalong, A. Srifa* , P. Hongmanorom, C. Cholsuk, W. Klysubun, S. Ratchahat, W. Koo-amornpattana, P. Khemthong, S. Assabumrungrat, S. Kawi	Catalytic transfer hydrogenation of furfural to furfuryl alcohol and 2-methylfuran over CuFe catalysts: Ex situ observation of simultaneous structural phase transformation	2022	Fuel Processing Technology	https://doi.org/10.1016/j.fuproc.2022.107256
J. Chuseang, R. Nakwachara, M. Kalong, S. Ratchahat, W. Koo-amornpattana, W. Klysubun, P. Khemthong, K. Faungnawakij, S. Assabumrungrat, V. Itthibenchapong, A. Srifa*	Selective hydrogenolysis of furfural into fuel-additive 2-methylfuran over a rhenium-promoted copper catalyst	2021	Sustainable Energy & Fuels	https://doi.org/10.1039/D1SE00036E
M. Kalong, P. Hongmanorom, S. Ratchahat, W. Koo-amornpattana, K. Faungnawakij, S. Assabumrungrat, A. Srifa* , S. Kawi,	Hydrogen-free hydrogenation of furfural to furfuryl alcohol and 2-methylfuran over Ni and Co-promoted Cu/ γ -Al ₂ O ₃ catalysts	2021	Fuel Processing Technology	https://doi.org/10.1016/j.fuproc.2020.106721

Number of publication: 53

Total citation : 1583

H-Index: 20