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EDUCATIONAL BACKGROUND

- Year 2017 Ph.D. (Environmental Technology), King Mongkut's University of Technology Thonburi, Thailand
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- Year 2005 B.Sc. (Environmental Science and Technology), Mahidol University, Thailand
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RESEARCH INTEREST

Water scarcity footprint assessment and Life cycle assessment

PUBLICATIONS

1. International Journal

- Jaroenkietkajorn, U., Gheewala, S.H., Mungkung, R., Jakrawatana, N., Silalertruksa, T., Lecksiwilai, N., Prasara-A, J. and Nilsalab, P. (2024). "Challenges and Opportunities of Bio-Circular-Green Economy for Agriculture". *Circ.Econ.Sust*, <https://doi.org/10.1007/s43615-024-00355-9>.
- Akbar, H., Nilsalab, P., Mungkalasiri, J., Varnakovida, P., Silalertruksa, T. and Gheewala, S.H. (2023). "Prioritizing major factors affecting groundwater stress using multi-criteria decision methods". *Groundwater for Sustainable Development*, 23. 100970. [10.1016/j.gsd.2023.100970](https://doi.org/10.1016/j.gsd.2023.100970).
- Akbar, H., Nilsalab, P., Silalertruksa, T. and Gheewala, S.H. (2023). "The Effect of Climate Change on the Hydropower Potential in the Kunhar River Watershed, Pakistan". *World*. 4. 776-794. [10.3390/world4040049](https://doi.org/10.3390/world4040049).
- Jaibumrung, K., Nilsalab, P., Gheewala, S.H. and Musikavong, C. (2023). "Ecological footprint, water scarcity footprint, and benefit to cost ratio analysis towards sustainable rice production in Thailand". *Sustainable Production and Consumption*, 39. [10.1016/j.spc.2023.04.019](https://doi.org/10.1016/j.spc.2023.04.019).
- Ngammuangtueng, P., Nilsalab, P., Chomwong, Y., Wongruang, P., Jakrawatana, N., Sandhu, S. and Gheewala, S.H. (2023). "Water-energy-food nexus of local bioeconomy hub and future climate change impact implication". *Journal of Cleaner Production*, 399. [136543. 10.1016/j.jclepro.2023.136543](https://doi.org/10.1016/j.jclepro.2023.136543).
- Gheewala, S.H., Jaroenkietkajorn, U., Nilsalab, P., Silalertruksa, T., Somkerd, T. and Laosiripojana, N. (2022). "Sustainability assessment of palm oil-based refinery systems

for food, fuel, and chemicals”. *Biofuel Research Journal*, 9. 1750-1763. 10.18331/BRJ2022.9.4.5.

- Akbar, H., Nilsalab, P., Silalertruksa, T. and Gheewala, S.H. (2022). “Comprehensive review of groundwater scarcity, stress and sustainability index-based assessment”. *Groundwater for Sustainable Development*, 18, 100782, 10.1016/j.gsd.2022.100782.
- Nilsalab P. and Gheewala S.H. (2019). “Assessing the Effect of Incorporating Environmental Water Requirement in the Water Stress Index for Thailand”. *Sustainability*, 11, 152; doi:10.3390/su11010152.