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Education

- 2014 Bachelor of Science (First Class Honors), Food Science and Technology, PSU Thailand
2020 Doctoral of Philosophy, Food Science and Technology, PSU Thailand

Awards and Scholarships

- 2015 Full scholarship, RGJ PhD Program (PHD/0190/2557) by Thailand Research Fund
Research grant from AMTEC, UTM, Malaysia
- 2016 PhD research grant by Graduate school, PSU, Thailand
- 2017 Travel award from CEMST, PSU and LPE Company to attend the 34th EMS Summer School 2017 ("Membrane in Biorefinery Process"), Lund University, Sweden
Travel award from CEMST, PSU Thailand to attend the 13th Membranes Science and Technology International conference (MST), Semarang, Indonesia
- 2019 Research grant from Computational Fluid Dynamic (CFD) Research group, TU, Austria
- 2020 Travel award from Membrane Society of Australasia to attend 7th Membrane Society of Australasia Early Career Researcher Symposium (MSA-ECR2020) at Sydney, Australia

Publications

- 2018 Tippawan Sirinupong, Wirote Youravong, Dusida Tirawata, Woei Jye Lau, Gwo-Sung Lai, Ahmad Fauzi Ismail, Synthesis and Characterization of Thin Film Composite Membranes Made of PSF- TiO₂/GO Nanocomposite Substrate for Forward Osmosis Applications, Arabian Journal of Chemistry, Volume 11, Issue 7, November 2018, Pages 1144 – 1153
- 2020 Tippawan Sirinupong, Dusida Tirawat, Woei Jye Lau and Wirote Youravong, Vibration-assisted forward osmosis process for Mao (*Antidesma Bunius* L Spreng.) juice concentration: Water flux enhancement and preservation of phytochemicals, International Food research Journal, Accepted

Conferences proceeding/attending

- 2017 Tippawan Sirinupong, Wirote Youravong, Dusida Tirawat and Woei Jye Lau, Forward osmosis for concentration of fruit juice, The 34th European Membrane Society (EMS) Summer School 2017, Membranes in Biorefineries, 26-30 June 2017, Lund University, Sweden
- Tippawan Sirinupong, Wirote Youravong, Dusida Tirawat and Woei Jye Lau, Forward Osmosis Performance Evaluation of Self-Synthesized and Commercial Thin Film Composite Membrane, The 13 th Membrane Science and technology international conference, 16 Nov 2017, Semarang, Indonesia
- 2019 Tippawan Sirinupong, Wirote Youravong, Dusida Tirawat and Woei Jye Lau, CFD Simulation in Forward Osmosis of Fruit juice, The 5th Computational Science Summer School 2019, 25-29 March 2019, Prince of Songkhla university, Phuket Campus, Thailand
- 2020 Tippawan Sirinupong, Benjamin Lukitsh, Baharm Haddadi, Michael Harasek , Woei Jye Lau, Dusida Tirawat and Wirote Youravong, Mass Transfer Simulation in Forward Osmosis The 7th Membrane Society of Australasia Early Career Researcher Membrane Symposium (MSA-ECR 2020), 1-2 Feb 2020, University of Technology Sydney, Australia.
- Tippawan Sirinupong, Benjamin Lukitsh, Baharm Haddadi, Michael Harasek , Woei Jye Lau, Dusida Tirawat and Wirote Youravong, Computational Fluid Dynamic Simulation in Forward Osmosis, International Membrane Science and Technology Conference (IMSTEC2020), 2-6 Feb 2020, University of Technology Sydney, Australia.

Field of interest

- Forward osmosis (fruit juice concentration, membrane synthesis and characterization, Advance draw solution)
- Membrane technology for industrial application (Food and bio-products, wastewater treatment, water recycle)
- Computational Fluid Dynamic (CFD) simulation in unit operation in food processing (Membrane process, Drying, Heating and Cooling process)