

RESEARCHER PROFILE

Name Atsadawut
Last name Areesirisuk
Academic Position Assistant Professor, Dr.
Faculty Science and Technology
Major Biotechnology, Fermentation Technology
Bioprocess Engineering
Research interest Microbial Oil Production, Bioenergy, Probiotic,
Value Added Microbial Product
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Education	From...To....	University name	Country
Doctor	2012-2015	National Pingtung University of Science and Technology (NPUST)	Taiwan (ROC)
Master	2005-2007	Khonkaen University	Thailand
Bachelor	2000-2004	Khonkaen University	Thailand

International Publications

(Only published within the last five (5) years in international journals or book chapters)

- [1] Sunanta Bunmadee, Jantima Teeka, Thanasak Lomthong, Dolnapha Kaewpa, Prapatsorn Areesirisuk and **Atsadawut Areesirisuk**. 2022. Isolation and Identification of a Newly Isolated Lipase-producing Bacteria (*Acinetobacter baumannii* RMUTT3S8-2) from Oily Wastewater Treatment Pond in a Poultry Processing Factory and Its Optimum Lipase Production. *Bioresource Technology Reports*, 20, 101267. (SCOPUS, Q1)
- [2] Thanyarat Naksing, Wutti Rattanavichai, Jantima Teeka, Dolnapha Kaewpa, Jednipit Borthong, and **Atsadawut Areesirisuk**. 2022. Biological Activities and Potential of Organic Banana (*Musa acuminata*) Peel Extract in Enhancing the Immunity of Giant Freshwater Prawn (*Macrobrachium rosenbergii*). *Aquaculture Research*, 1-12. (ISI, Q2)
- [3] **Atsadawut Areesirisuk**, Jantima Teeka, Chutima Rakkitkanphun, Sunanta Bunmadee, Thidarat Samranrit, Sasitorn Khunthong, Dolnapha Kaewpa and Apinan Wanlapa. 2021.

Kinetic Model of Commercial Glucose-Affected Growth and Microbial Oil Production of Oleaginous Yeast *Pseudozyma parantarctica* CHC28. *Journal of Microbiology, Biotechnology and Food Sciences*, 11(3), e4080, 1-6. (SCOPUS, Q4)

- [4] Chutima Rakkitkanphun, Jantima Teeka, Dolnapa Kaewpa and **Atsadawut Areesirisuk**. 2021. Purification of Biodiesel-Derived Crude Glycerol by Acidification to be Used as a Carbon Source for Microbial Oil Production by Oleaginous Yeast *Pseudozyma parantarctica* CHC28. *Biomass Conversion and Biorefinery*. 1-11. (ISI, Q1)
- [5] Thanyarat Naksing, Jantima Teeka, Wutti Rattanavichai, Prapaporn Pongthai, Dolnapa Kaewpa and **Atsadawut Areesirisuk**. 2021. Determination of Bioactive Compounds, Antimicrobial Activity, and the Phytochemistry of the Organic Banana Peel in Thailand. *Bioscience Journal*, 37(e37024), 1-11. (SCOPUS, Q3)
- [6] Thanyarat Naksing, Pratchaya Hatawee, Apinan Wanlapa, Kittikoon Torpol, Chiu-Hsia Chiu, Jantima Teeka, **Atsadawut Areesirisuk**. 2019. Thermal Death Evaluation of Multi-Strains Probiotic Inoculant for Shelf-life Prediction. *Malaysian Applied Biology*, 48(4), 147-152. (SCOPUS, Q3)
- [7] **Areesirisuk, A.**, Chiu, C. H., Yen, T. B., Liu, C. H., and Guo, J. H. 2017. Direct Methanolysis of Oleaginous Yeast Biomass (*Pseudozyma parantarctica*) to Microbial Biodiesel. *Key Engineering Materials*. 753: 259-263. (SCOPUS, Q3)

Book/ Textbooks (Both Thai and International publications)

- [1] **Atsadawut Areesirisuk**. 2020. Industrial Microbiology (1st Ed.). Division of Biology, Faculty of Science and Technology, Ragamangala University of Technology Thanyaburi, 200 pages.

Research funds (Within the last five (5) years)

2022

- [1] Fundamental Fund (FF) [grant number: FRB65E06019]: Microbial Oil Production by High Cell-Density Cultivation from Rice Straw Hydrolysate for Polyurethane Foam Making
- [2] Fundamental Fund (FF) [grant number: FRB65E2801]: Application of Infrared Drying in Probiotic Powder Production for Using as Supplement in Animal Feed.

2021

- [1] RMUTT Research Foundation Scholarship 2020 [grant number: DRF64D0602]: Development of Production of Tomato Seasoning Powder Containing High 5'-Ribonucleotides for Replacing Monosodium Glutamate.
- [2] Program Management Unit on Area Based Development (PMU A) [grant number: LERMUTT64D02]: Improvement of Local Economy and Competitiveness of Hom Thong Banana Enterprises in Pathum Thani Province along Network Value Chain by Innovation and Technology.

2020

- [1] Research and Researchers for Industries (RRI), National Research Council of Thailand (NRCT), [grant number: NRCT5-RRI63007-M15]: Production of Lipase-Producing Microorganism Inoculum for Fat Waste Treatment in CPF (Thailand) PCL at Saraburi Province.

2019

- [1] RMUTT Research Foundation Scholarship 2019 [grant number: 256000022058:4117]: Development of Organic Banana Peel Extract for Producing Shrimp Feeding Supplement Mixed Probiotic Inoculant.

2018

- [1] Innovation and technology assistance program (ITAP): Process Development of Yeast Extract Production from Spent Brewer's Yeast for Using as a Flavor Enhancer in White Soya Sauce Replacing Monosodium Glutamate.