RESEARCHER PROFILE

Name ……Dr.Thanasak……..

Last name ……LOMTHONG…..……..…..…….

Academic Position ……Associate Professor…..……..

Faculty ……Faculty of Science and Technology.…….……

Major …… Applied Biology (Microbiology).……..

Research interest Microbial Enzymes for Bioplastics Degradation

Molecular Sequencing and Applications of Microbial Enzymes

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Education	**From … To …**	**University name**	**Country**
Doctor	2012-2017	Kasetsart University	Thailand
Bachelor	2008-2012	King Mongkut's University of Technology Thonburi	Thailand

International Publications

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

[1] **Lomthong, T**., Samaimai, S., Yoksan, R., Krajangsang, S., & Kitpreechavanich, V. (2022). High Loading Degradation of Poly (lactide)/Thermoplastic Starch Blend Film Using Mixed-Enzymes Produced by Fed-Batch Culture of *Laceyella sacchari* LP175. Waste and Biomass Valorization, 13(4), 1981-1991.

[2] **Lomthong, T**., Suntornnimit, P., Sakdapetsiri, C., Trakarnpaiboon, S., Sawaengkaew, J., & Kitpreechavanich, V. (2022). Alkaline protease production by thermotolerant *Bacillus* sp. KU-K2, from non-rubber skim latex through the non-sterile system and its enzymatic characterization. Biocatalysis and Agricultural Biotechnology, 102542.

[3] **Lomthong, T.**, Areesirisuk, A., Suphan, S., Panyachanakul, T., Krajangsang, S., & Kitpreechavanich, V. (2021). Solid state fermentation for poly (L-lactide)-degrading enzyme production by *Laceyella sacchari* LP175 in aerated tray reactor and its hydrolysis of poly (lactide) polymer. Agriculture and Natural Resources, 55(1), 147-152.

[4] **Lomthong, T.**, Yoksan, R., Lumyong, S., & Kitpreechavanich, V. (2020). Poly (l-lactide)-degrading enzyme production by *Laceyella sacchari* LP175 under solid state fermentation using low cost agricultural crops and its hydrolysis of poly (l-lactide) film. Waste and Biomass Valorization, 11(5), 1961-1970

[5]. **Lomthong, T**., Chotineeranat, S., Cioci, G., Laville, E., Duquesne, S., Choowongkomon, K., & Kitpreechavanich, V. (2018). Molecular cloning and sequencing of raw starch degrading gene from *Laceyella sacchari* LP175 and its functional expression in *Escherichia coli*. Chiang Mai J Sci, 45, 1634-1648.

Book/ Textbooks (Both Thai and International publications)

[1] Thanasak Lomthong. (2019). General Microbiology, Pathum Thani , Thailand

[2] Thanasak Lomthong. (2021). Bacteriology, Pathum Thani , Thailand

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

2022: Fundamental Fund (FF) 2022 Thailand Science Research and Innovation

2021: The RMUTT Research Foundation Scholarship for Innovation and Invention.

2020: The RMUTT Research Foundation Scholarship for Innovation and Invention.

2019: Research grants from Sappe Public Company Limited

2018: RGJ Advanced Programme (Grant No. RAP61K0008),Thailand Science Research and Innovation (TSRI)