

เรื่องที่น่าผลงานไปอ้างอิง

3

Medium-chain substrate preference of lipases from a novel deep-sea halotolerant bacterium revealed by enzymatic assays and molecular docking

Tian, T; Jiang, LJ; (...); Zhang, CF

Jul 2026 | INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES 371

Lipases from halotolerant bacteria represent promising biocatalysts for industrial applications due to their stability under extreme conditions. In this study, a halotolerant strain *Saigentibacter* sp. MHS1-6 was isolated from Western Pacific deep-sea sediments, and its lipase was characterized for the first time. The crude enzyme was first precipitated with 60%

[Full Text at Publisher](#)

^ [Cited publication \(1\)](#)

Optimized synthesis method for transesterification of residual oil from palm oil mill effluent and lipase from Pacific white shrimp (*Litopenaeus vannamei*) hepatopancreas to environmentally friendly biodiesel

ผลงานวิจัยของกนกพร

จำนวน 1 เรื่อง

Web of Science แจ้งว่ามีผลงานวิจัยเรื่อง “Medium-chain substrate preference of lipases from a novel deep-sea halotolerant bacterium revealed by enzymatic assays and molecular docking” ได้ citation งานของกนกพร สังข์รักษ์ จำนวน 1 บทความ ได้แก่

1. ชื่องานวิจัย “Optimized synthesis method for transesterification of residual oil from palm oil mill effluent and lipase from Pacific white shrimp (*Litopenaeus vannamei*) hepatopancreas to environmentally friendly biodiesel”

เรื่องที่น่าผลงานไปอ้างอิง

Medium-chain substrate preference of lipases from a novel deep-sea halotolerant bacterium revealed by enzymatic assays and molecular docking

By Tian, T (Tian, Tian) ; Jiang, L J (Jiang, Lijie) ; Zhao, OF (Zhao, Dongfeng) ; Xu, H (Xu, Hao) ; Jiang, LB (Jiang, Lingbo) ; Wang, J (Wang, Jian) ; Shui, Y (Shui, Yiting) ; Ma, Z (Ma, Zhongjun) ; Li, YH (Li, Yanhong) ; Zhang, CF (Zhang, Chuntang)

Are you this author?

Source INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES
Volume 273
DOI: 10.1016/j.ijbiomac.2026.152931

Article Number 152931

Published JUL 2026

Indexed 2026-06-26

Document Type Article

Abstract Lipases from halotolerant bacteria represent promising biocatalysts for industrial applications due to their stability under extreme conditions. In this study, a halotolerant strain *Soleinifactor* sp. MHS1-6 was isolated from Western Pacific deep-sea sediments, and its lipase was characterized for the first time. The crude enzyme was first precipitated with 60% ammonium sulfate and then purified by Superdex 200 increase. The final purified enzyme exhibited a specific activity of 107.4 ± 11.8 U/mg and a recovery yield of $26.7 \pm 1.8\%$. Enzymatic

Citation Network

In Web of Science Core Collection

0 Citations

85 Cited References

Use in Web of Science

1 Last 180 Days

1 Since 2013

This record is from:

Web of Science Core Collection

- Science Citation Index Expanded (SCI-EXPANDED)

ฐานข้อมูล

ชื่อวารสาร

วัน เดือน ปี ที่ตีพิมพ์

งานวิจัยเรื่อง “Medium-chain substrate preference of lipases from a novel deep-sea halotolerant bacterium revealed by enzymatic assays and molecular docking”

ชื่อวารสาร International Journal of Biological Macromolecules

ตีพิมพ์ในวารสาร กรกฎาคม 2569

ตีพิมพ์ออนไลน์ 26 มิถุนายน 2569

อยู่ในฐาน Web of Science