



alerts-noreply@clarivate.com

To: me - Fri, Apr 17 at 8:58 PM

เรื่องที่น่าผลงานไปอ้างอิง

**Biocatalytic synthesis of isoamyl oleate using polyethylene glycol-stabilized *Burkholderia cepacia* lipase immobilized on poly(3-hydroxybutyrate)**

Moreira Correa, Wellington; Poloni, Erik; Bortolozo, Ausdinir Danilo; Padilha, Giovana Da Silva  
Green Chemistry Letters And Reviews

Isoamyl oleate, a renewable ester with promising biolubricant applications, was synthesized via esterification using *Burkholderia cepacia* lipase (Lbc) immobilized on poly(3-hydroxybutyrate) (PHB). The incorporation of 5% (w/v) polyethyle...

Cited publication:

**Improvement of biodiesel production using waste cooking oil and applying single and mixed immobilised lipases on polyhydroxyalkanoate**

ผลงานวิจัยของกนกพร

จำนวน 1 เรื่อง

Web of Science แจ้งว่ามีผลงานวิจัยเรื่อง “Biocatalysis synthesis of isoamyl oleate using polyethylene glycol-stabilized *Burkholderia cepacia* lipase immobilized on poly(3-hydroxybutyrate)” ได้ citation งานของกนกพร สังขรักษ์ จำนวน 1 บทความ ได้แก่

1. ชื่องานวิจัย “Improvement of biodiesel production using waste cooking oil and applying single and mixed immobilised lipases on polyhydroxyalkanoate”

เรื่องที่นำผลงานไปอ้างอิง

The image shows a screenshot of a research article page with several Thai annotations in black boxes:

- เรื่องที่นำผลงานไปอ้างอิง** (Reference work): Located at the top center, pointing to the article title.
- ฐานข้อมูล** (Database): Located in the top right, pointing to the 'Citation Network' section.
- ชื่อวารสาร** (Journal name): Located in the middle right, pointing to the journal information.
- วัน เดือน ปี ที่ตีพิมพ์** (Publication date): Located in the middle left, pointing to the 'Published' date.

The article title is: **Biocatalytic synthesis of isoamyl oleate using polyethylene glycol-stabilized *Burkholderia cepacia* lipase immobilized on poly(3-hydroxybutyrate)**

Key metadata from the screenshot:

- By:** Davis, WH (Noreine Corina, Wellington); Poon, E (Peter, Erik); Santos, AD (Antonio, Agostino Danilo); Fujita, IZ (Paulina, Getiana Da Silva)
- Source:** GREEN CHEMISTRY LETTERS AND REVIEWS, Volume 28, Issue 1, DOI: 10.1039/C7GC00130A
- Article Number:** 2056027
- Published:** DEC 31 2016
- Indexed:** 2016-04-15
- Document Type:** Article

The abstract text is partially visible: "Isoamyl oleate, a renewable ester with promising biobutrient applications, was synthesized via esterification using *Burkholderia cepacia* lipase (BcL) immobilized on poly(3-hydroxybutyrate) (PHB). The incorporation of 1% (w/v) polyethylene glycol 1500 (PEG) into the PHB support not only maximized the biocatalyst's activity but also markedly improved its operational stability. Key reaction parameters, including the oleic acid to isoamyl alcohol molar ratio, biocatalyst loading, temperature, and water activity, were systematically evaluated. Under optimized

งานวิจัยเรื่อง “Biocatalysis synthesis of isoamyl oleate using polyethylene glycol-stabilized *Burkholderia cepacia* lipase immobilized on poly(3-hydroxybutyrate)”

ตีพิมพ์ในวารสาร Green Chemistry Letters and Reviews

อยู่ในฐาน Web of Science

ตีพิมพ์ 15 เมษายน 2569