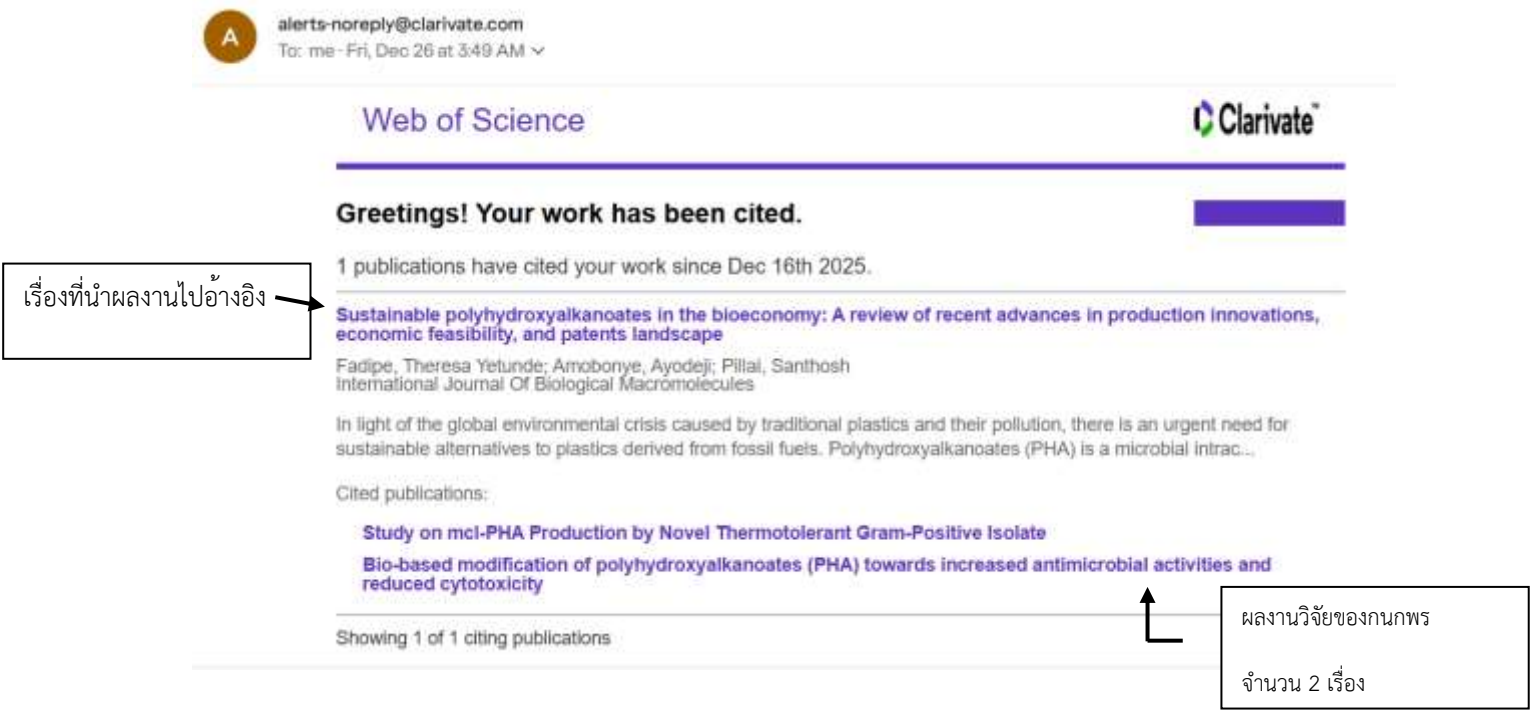

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1. ชื่องานวิจัย “Study on mcl-PHA production by novel thermotolerant gram-positive isolate”

2. ชื่องานวิจัย “Bio-based modification of polyhydroxyalkanoates (PHA) towards increased antimicrobial activities and reduced cytotoxicity”

เรื่องที่นำผลงานไปอ้างอิง

Sustainable polyhydroxyalkanoates in the bioeconomy: A review of recent advances in production innovations, economic feasibility, and patents landscape

By: Fadipe, TY (Fadipe, Theresa Yetunde) ; Amobonye, A (Amobonye, Ayodeji) ; Pillai, S (Pillai, Santhosh)

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Source: INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES
Volume: 337 Part: 1
DOI: 10.1016/j.ijbiomac.2025.149528

ชื่อวารสาร

Article Number: 149528; PMID 39909578

Published: JAN 2026

วัน เดือน ปี ที่ตีพิมพ์

Indexed: 2025-12-20

Document Type: Review

Abstract: In light of the global environmental crisis caused by traditional plastics and their pollution, there is an urgent need for sustainable alternatives to plastics derived from fossil fuels. Polyhydroxyalkanoates (PHA) is a microbial intracellular energy reserve with the potential to replace petroleum-based plastics and reduce environmental pollution. PHA exhibits mechanical and thermal properties comparable to petroplastics, with the added advantages of biodegradability and biocompatibility. Furthermore, their physicochemical versatility makes them

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ตีพิมพ์ในวารสาร International Journal of Biological Macromolecules

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