

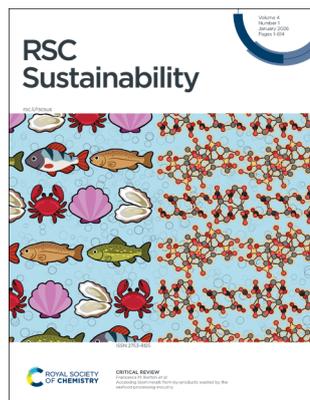
# RSC Sustainability

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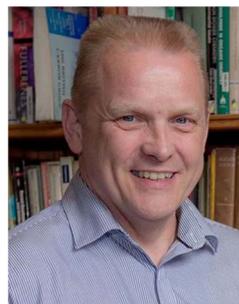
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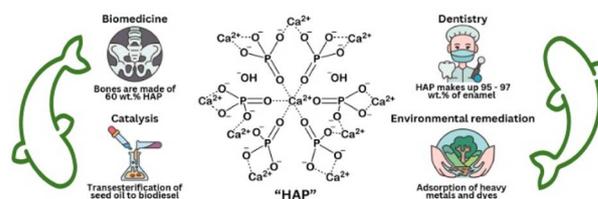


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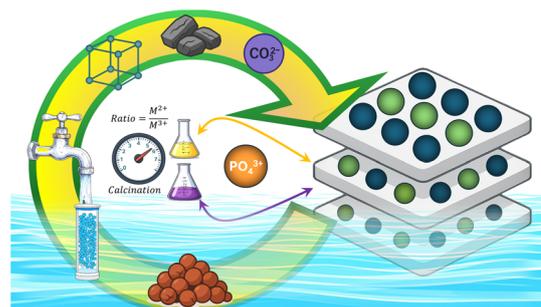
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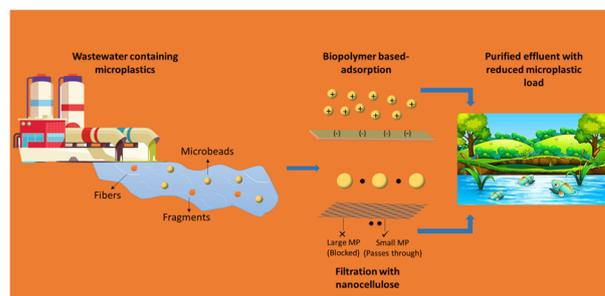
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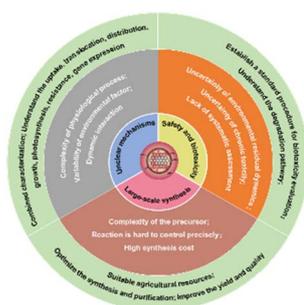
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## CRITICAL REVIEWS

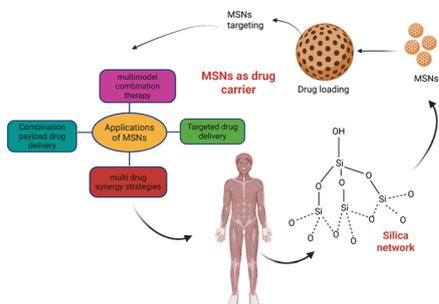
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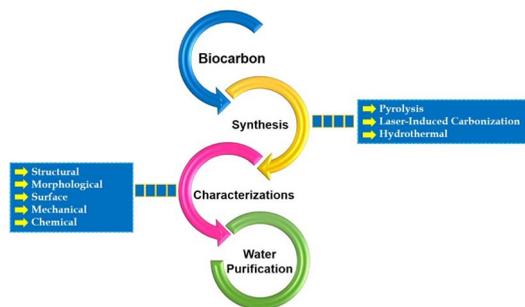


### Engineering silica nanoparticles for precision nanomedicine: synthesis & functionalization – a review

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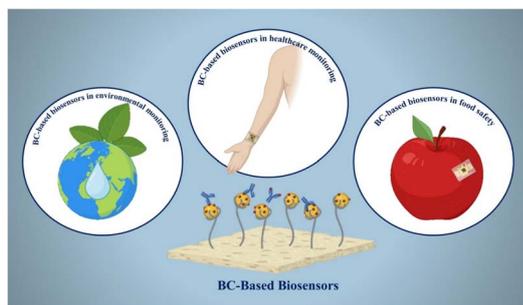
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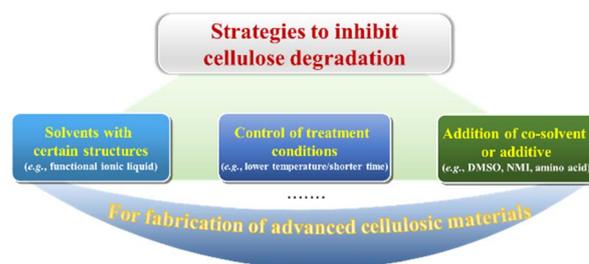
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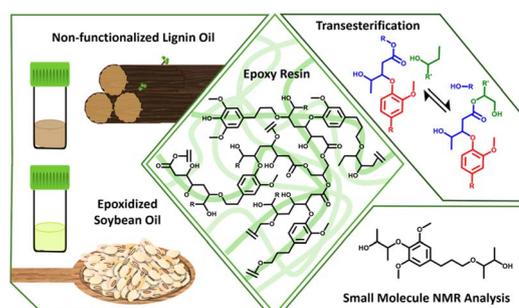
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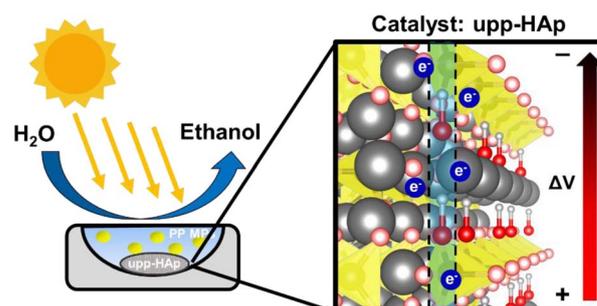
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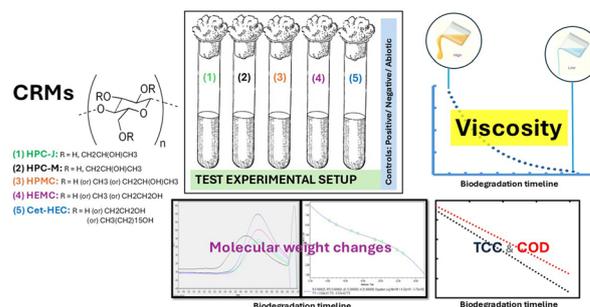
Marc Arnau, Jordi Sans\* and Carlos Alemán\*



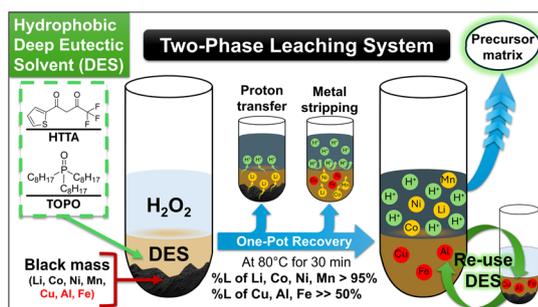
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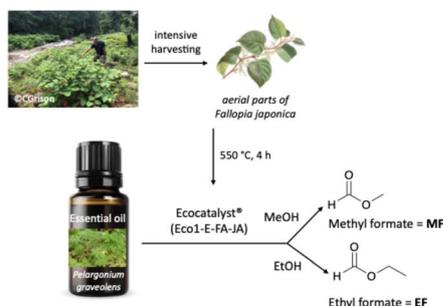
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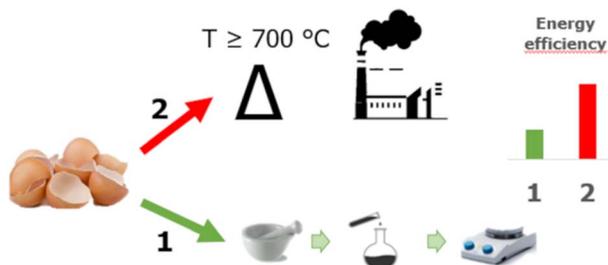
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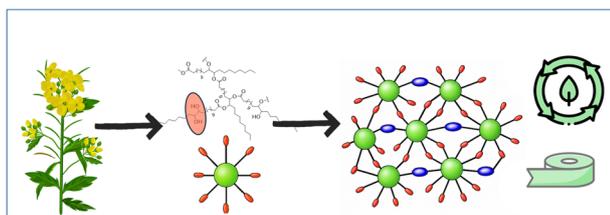
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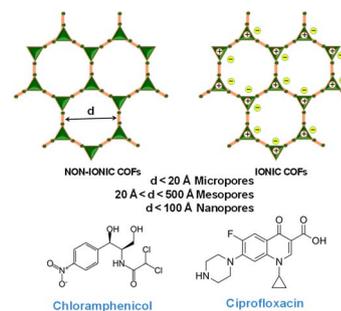
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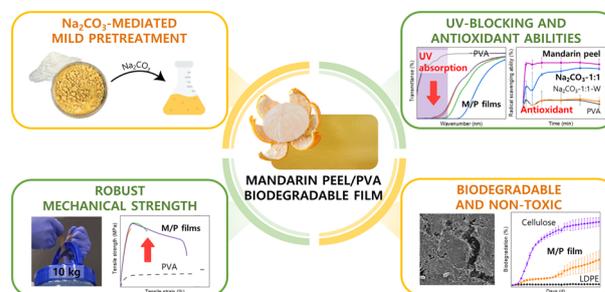
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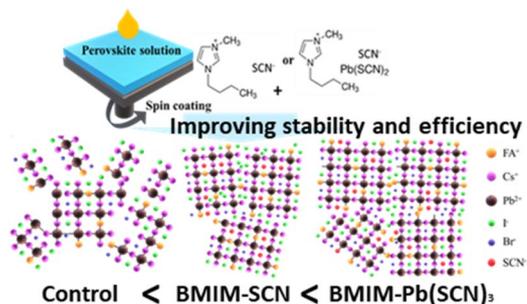
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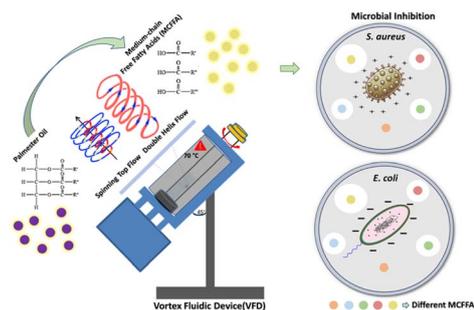
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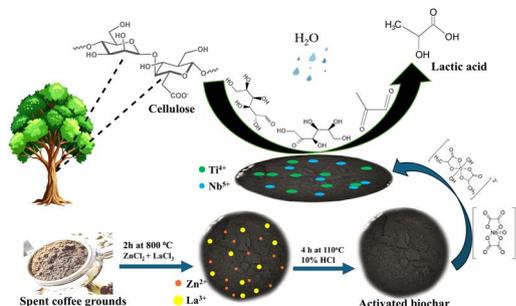
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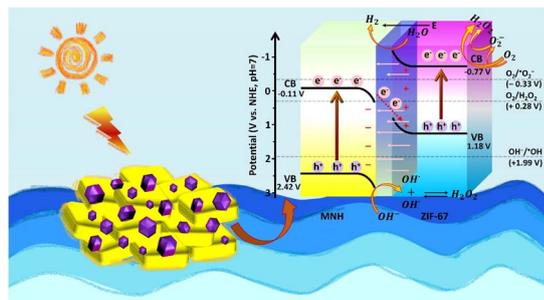
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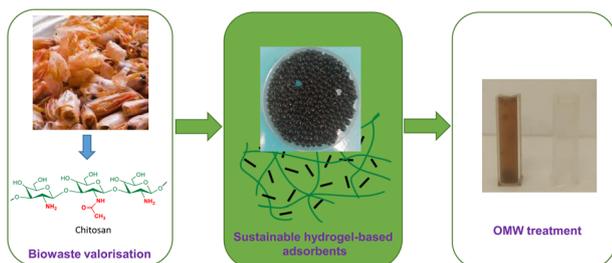
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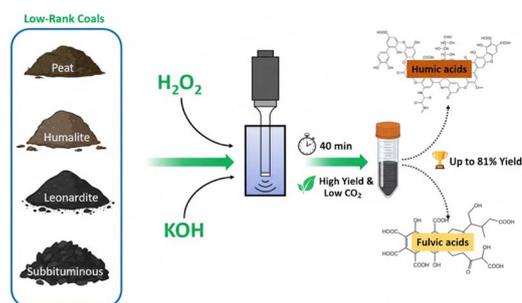
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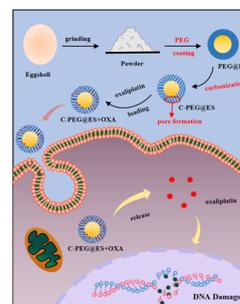
Redhwan Al-Akbari, Abdallah D. Manasrah and Nashaat N. Nassar\*



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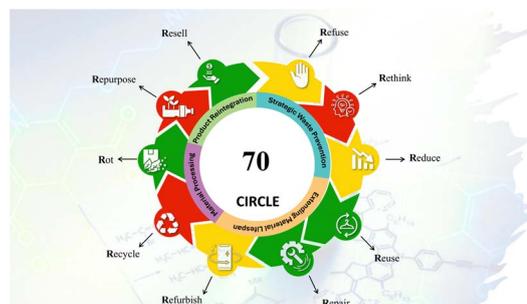
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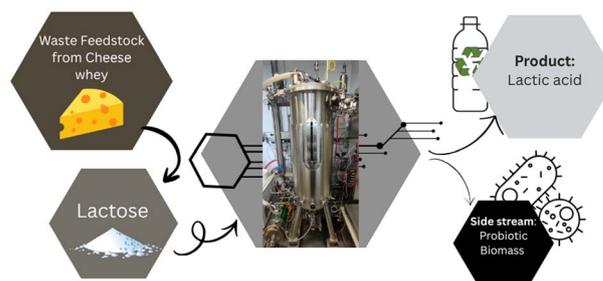
Fotouh R. Mansour,\* Samy Emara, Alaa Bedair and Mahmoud Hamed\*



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### Assessing multiple bioprocess modes for lactic acid production by *Lactiplantibacillus plantarum* ATCC 8014 using lactose as a substrate

Ciara D. Lynch, Si Liu, Tanja Narančić and Kevin O'Connor\*



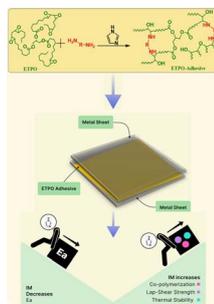
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### Bismuth ferrite ( $\text{Bi}_2\text{Fe}_4\text{O}_9$ ) nanosheets: an efficient adsorbent for triclosan

Komal Shukla and Raju Kumar Gupta\*

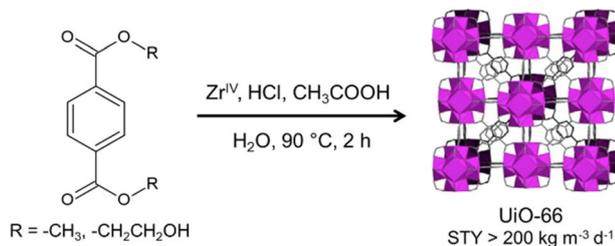
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### Synthesis and characterization of thermosetting adhesives from epoxidized *Thevetia peruviana* oil for sustainable bonding solutions

Karthika Vayalachery Kambikanam, Bhadra Purushothaman Bindu, Adebayo Isaac Olosho\* and Kiran Sukumaran Nair\*

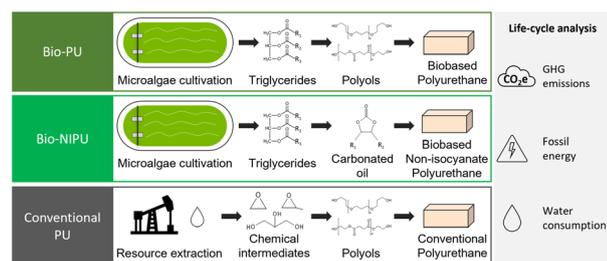
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Pietro Agola and Marco Taddei\*

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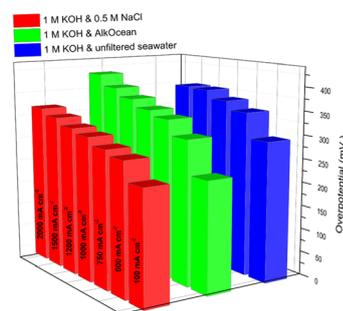
Ulises R. Gracida-Alvarez, Matthew R. Wiatrowski, Pahola Thathiana Benavides,\* Jingyi Zhang, Ryan Davis and Troy R. Hawkins



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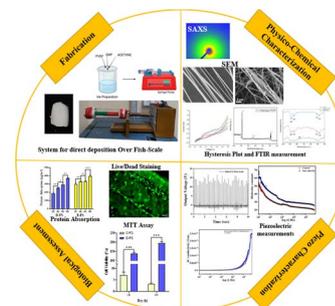
Jack Corbin, Cheng Lyu, David Trudgeon, Mikey Jones, Adeline Loh, Arthur Graf, Zhenyu Zhang, Jianyun Cao, Ida Nawrocka and Xiaohong Li\*



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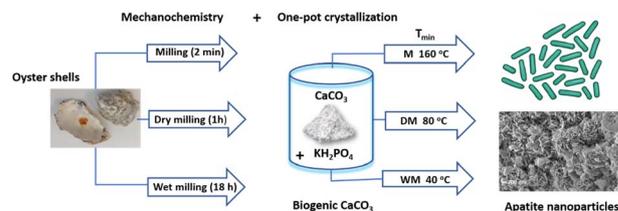
Samir Das, Sri Medha Juloori, Mainak Swarnakar, Manish Pal Chowdhury and Santanu Dhara\*



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## Low-temperature transformation of mechanochemically treated oyster shells into nanocrystalline apatites

Carla Triunfo, Francesca Oltolina, Annarita D'Urso, Raquel Fernández-Penas, Giuseppe Falini, Antonia Follenzi and Jaime Gómez-Morales\*



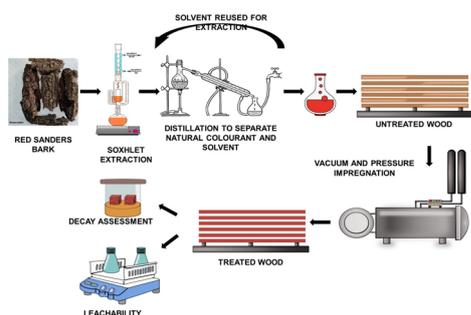
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## Thermogravimetric and physicochemical characterization of waste tire–coconut shell blends as potential renewable energy feedstock

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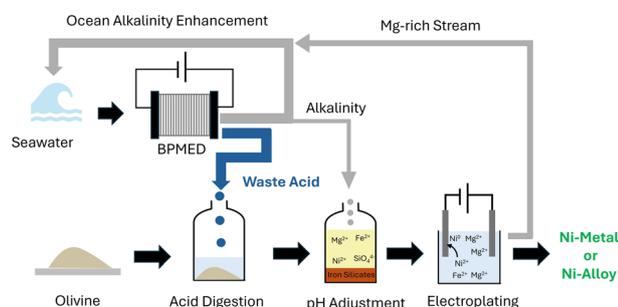
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## Red sanders bark extracts as effective bio-protective agents against fungal and termite degradation of plantation timbers

Souvik Ray, Rakesh Kumar,\* N. S. Mithila and S. R. Shukla

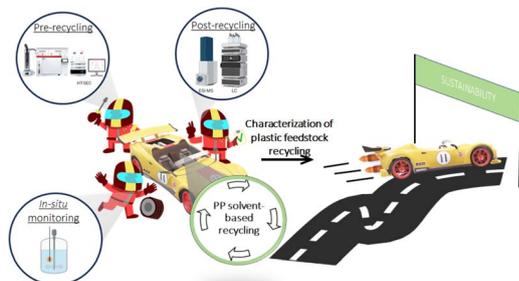
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## Nickel extraction from olivine using waste acid from an electrochemical marine CO<sub>2</sub> removal process

Alexander J. Robinson, Dan Thien Nguyen, Brady Anderson, Jian Liu, Pravalika Butreddy, Elias Nakouzi, Qingpu Wang, Paul Marsh and Chinmayee V. Subban\*

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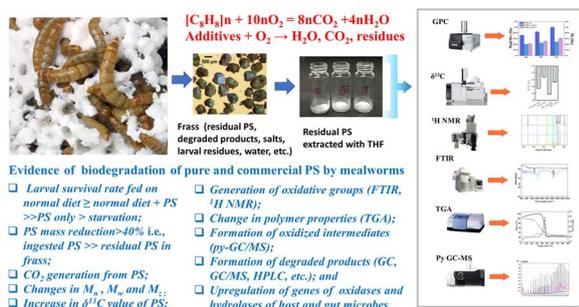


## From additive analysis to process monitoring: characterization of polypropylene solvent-based recycling from plastic feedstocks representative of sorting centres

Sofiane Ferchichi, Nida Sheibat-Othman,\* Maud Rey-Bayle and Vincent Monteil\*

## COMMENTS

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## Comment on "Expanded polystyrene is not chemically degraded by mealworms" by Z. M. Tahroudi, G. Flematti, J. Joshi, G. Fritz and R. Atkin, *RSC Sustainability*, 2025, 3, 383

Wei-Min Wu\* and Craig S. Criddle

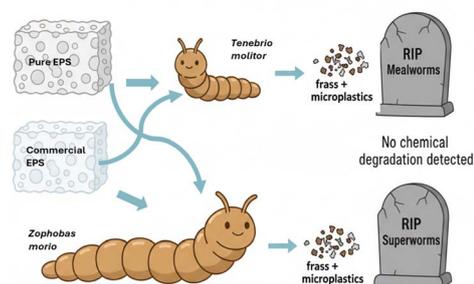


## COMMENTS

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Reply to the 'Comment on "Expanded polystyrene is not chemically degraded by mealworms"' by W.-M. Wu and C. S. Criddle, *RSC Sustainability*, 2026, 4, DOI: 10.1039/D5SU00247H

Zahra Mohammadizadeh Tahroudi, Shaik Sayed Md Rashidul Hossain, Gavin R. Flematti, Jitendra Joshi, Georg Fritz\* and Rob Atkin\*



## CORRECTION

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Correction: Green initiatives for the synthesis of polyamide monomers: precision fermentation using engineered *Corynebacterium glutamicum* and extraction of purified 5-aminovaleric acid (5AVA) and putrescine

Keerthi Sasikumar, Volker F. Wendisch\* and K. Madhavan Nampoothiri\*

