

RSC Sustainability

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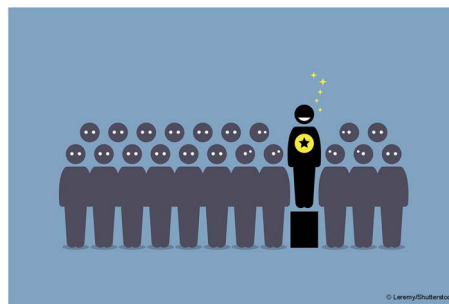


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See Rodrigo O. M. A. de Souza *et al.*, pp. 3407–3417. Image reproduced by permission of Rodrigo O. M. A. de Souza from *RSC Sustainability*, 2025, 3, 3407.

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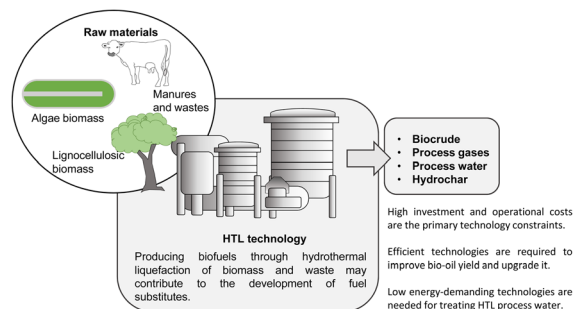


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Environmental Science: Atmospheres

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Fundamental questions
Elemental answers

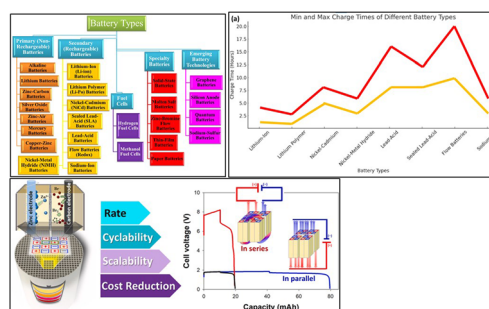


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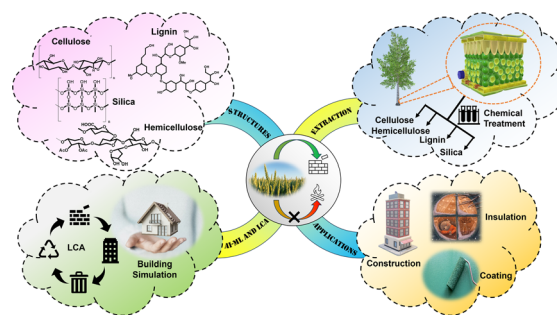


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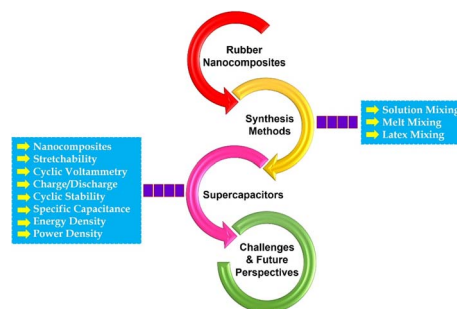
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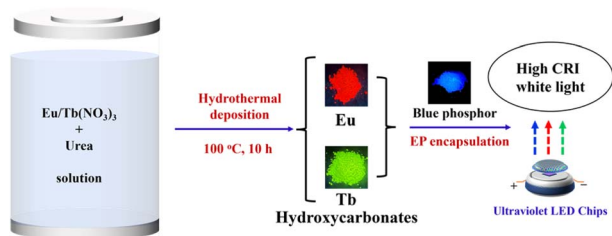
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Andrea-Lorena Garduño-Jiménez,* Rachel L. Gomes, Yolanda López-Maldonado and Laura J. Carter



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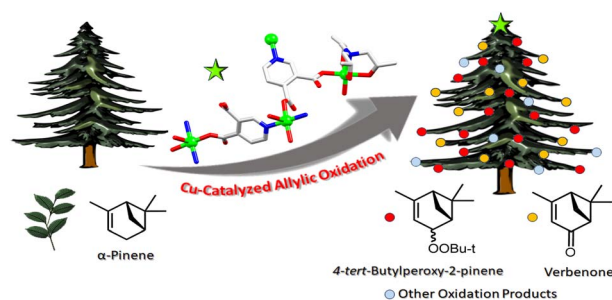


Facile hydrothermal synthesis of rare earth hydroxycarbonate phosphors for high-performance warm white LEDs

Haoxuan Zeng, Qiao Liang, Lu He, Ziyuan Li, Taihui Chen and Xiaoli Wu*

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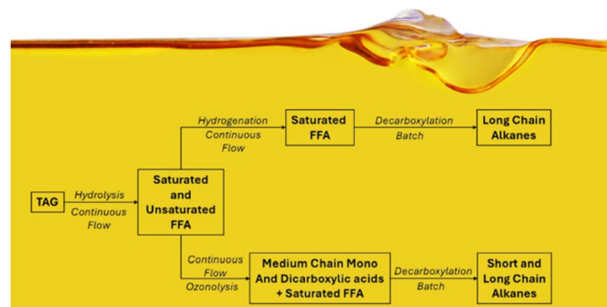
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Gilvan A. Correia, Chris H. J. Franco, Marina V. Kirillova, Alexandre Pradal, Giovanni Poli, Fabrice Gallou and Alexander M. Kirillov*

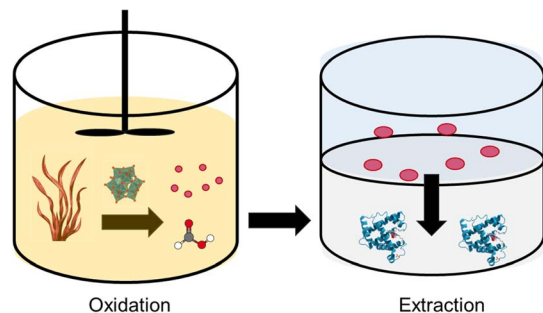
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ProFA – valorization of macroalgae biomass as a source of proteins and formic acid

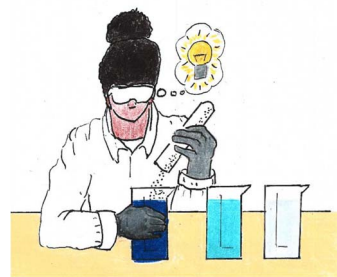
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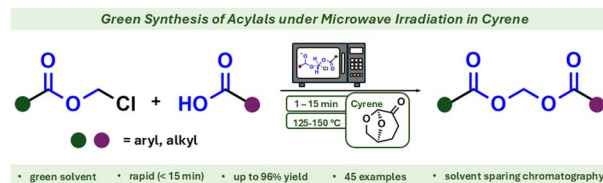
Timothy Schwantes, Dylan Medina, Brittney Morgan and Abhinandan Banerjee*



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Biobased dihydrolevoglucosenone (Cyrene) enables rapid and efficient synthesis of acylals under microwave irradiation

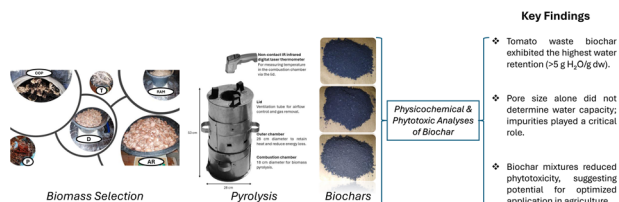
Tobias Keydel and Andreas Link*



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Comprehensive assessment of phytotoxic effects, morphology, chemical compositions, and water retention capacities of biochars

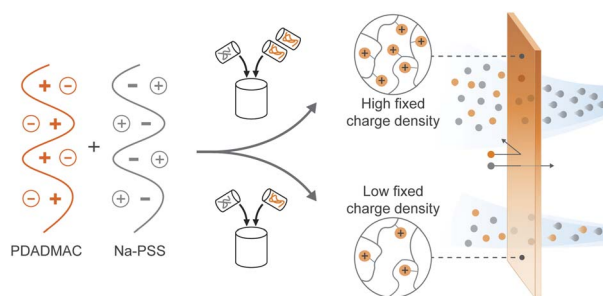
Hassan El Moussaoui,* Zaina Idardare and Laila Bouqbis*



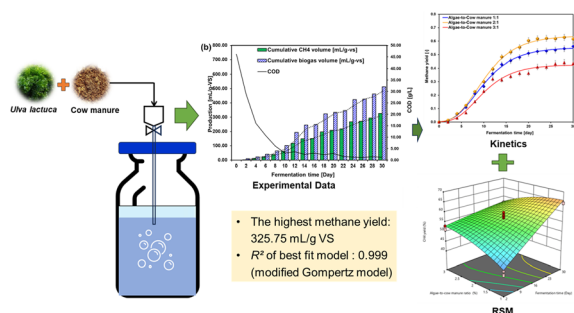
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Improving the fixed charge density of sustainably produced saloplastic anion exchange membranes

Hestie A. Brink, Ricardo P. Martinho, Wiebe M. de Vos and Saskia Lindhoud*



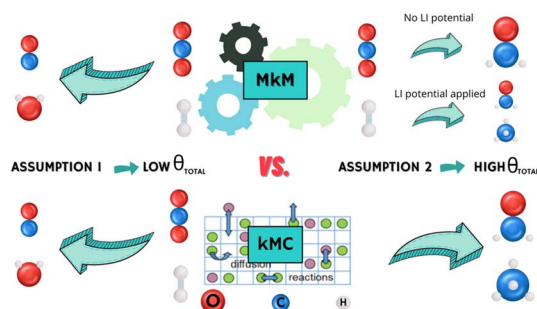
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Sustainable biogas production through anaerobic co-digestion of *Ulva lactuca* (Chlorophyta) and cow manure: a kinetic and process optimization study

Obie Farobie,* Veni Anggita Sari, Edy Hartulistiyoso, Widya Fatriasari, Asep Bayu Dani Nandiyanto, Apip Amrullah, Lusi Ernawati and Misbahuddin

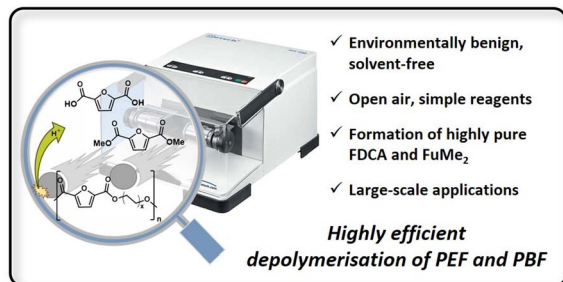
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Alejandro Gracia, Pablo Lozano-Reis, Fermín Huarte-Larrañaga, Pablo Gamallo* and Ramón Sayós

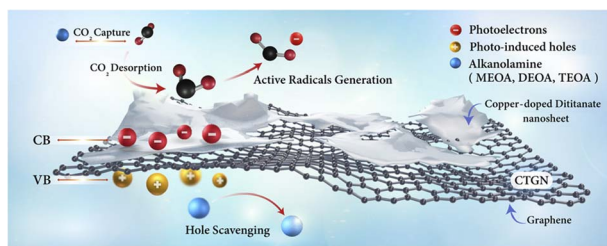
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Highly efficient mechanochemical depolymerisation of bio-based polyethylene furanoate and polybutylene furanoate

Divya Jain, Florian Cramer, Pauline Shamraienko, Hans-Joachim Drexler, Brigitte Voit* and Torsten Beweries*

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Effects of alkanolamines on photocatalytic reduction of carbon dioxide to liquid fuels using a copper-doped dititanate/graphene photocatalyst

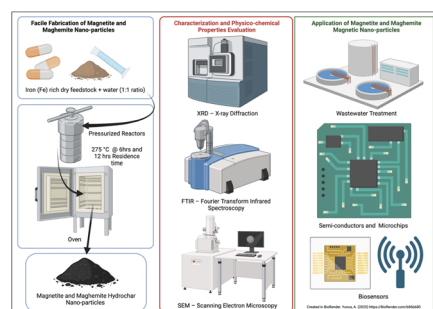
Wannisa Neamsung, Nutkamol Kitjanukit, Apisit Karawek, Napatr Chongkol, Napat Lerththanaphol, Poomipat Chotngamkhum, Kongphoom Khumsupa, Poomiwat Phadungbut, Woranart Jonglertjunya, Pattaraporn Kim-Lohsoontorn and Sira Srinives*



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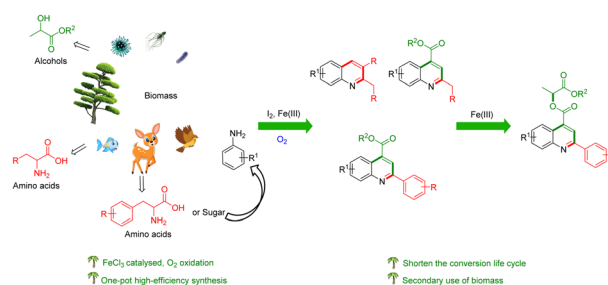
Ahmed I. Yunus, Samuel A. Darko,* Yongsheng Chen and Joe F. Bozeman III*



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One-pot iron chloride-catalyzed sustainable syntheses of quinolines from amino acids, alkyl lactate and arylamine

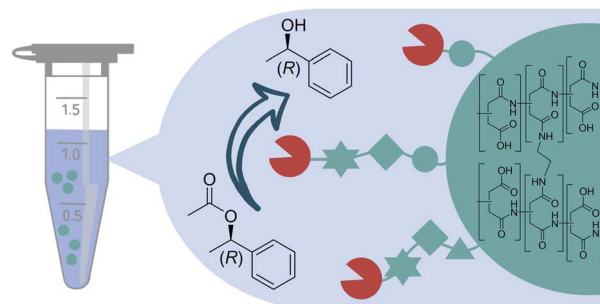
Meitian Fu, Lu Yin, Junjie Li, Sihao Zhao, Fujun Wang, Minglong Yuan* and Chao Huang*



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Functionalized poly(aspartic acid) hydrogel particles as carriers for covalent enzyme immobilization

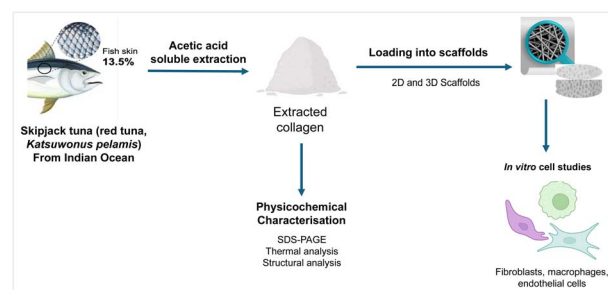
Johanna Meyer, Lars-Erik Meyer, Hadir Borg, Dirk Dorfs and Selin Kara*



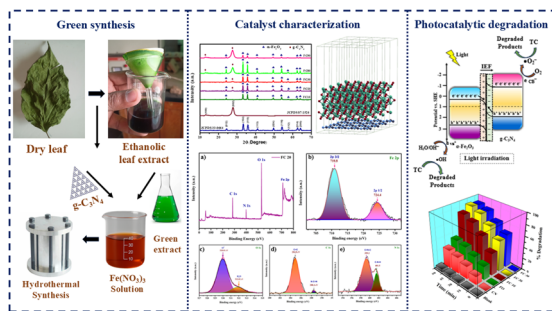
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Collagen from skipjack tuna skin waste enhances cellular proliferative activity, vascularization potential and anti-inflammatory properties of nanofibrous and hydrogel scaffolds

Tejaswini Petkar, Marie Andrea Laetitia Huët, Devsh Bekah, Itisha Chummun Phul, Nowsheen Goonoo and Archana Bhaw-Luximon*



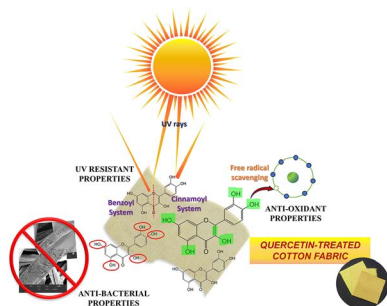
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***Nyctanthes arbor-tristis* L. mediated sustainable synthesis of α -Fe₂O₃/g-C₃N₄ S-scheme heterojunctions for enhanced photocatalytic degradation of tetracycline hydrochloride: a mechanistic insight and DFT study**

Mano Ranjan Barik, Jagadish Kumar and Sushanta Kumar Badamali*

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Mandira Mondal and S. Wazed Ali*

