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See Helena Rapp-Wright *et al.*, pp. 5470–5485. Image reproduced by permission of Helena Rapp-Wright from *RSC Sustainability*, 2025, 3, 5470.



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Amit Kumar* and David J. Cole-Hamilton*



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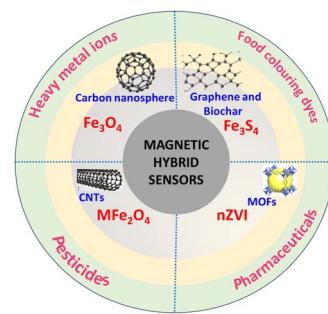
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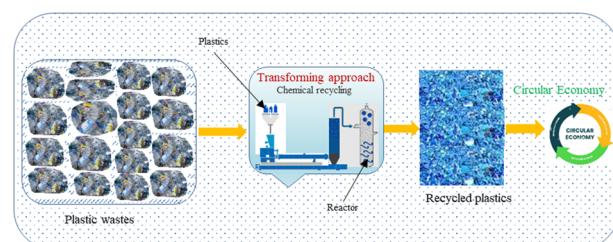
Aaliya Qureashi, Arshid Bashir, Irfan Nazir, Firdous Ahmad Ganaie, Kaniz Fatima, Ziaul Haq, Lateef Ahmad Malik, Abdullah Yahya Abdulla Alzahrani and Altaf Hussain Pandith*



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Innovative recycling strategies for non-recycled plastics: advancing the circular economy for a sustainable future

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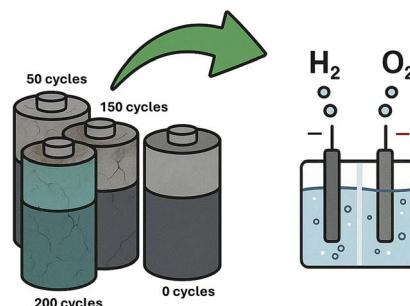


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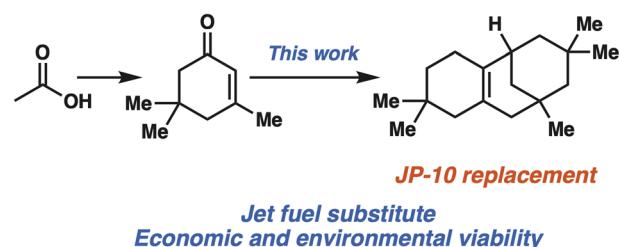
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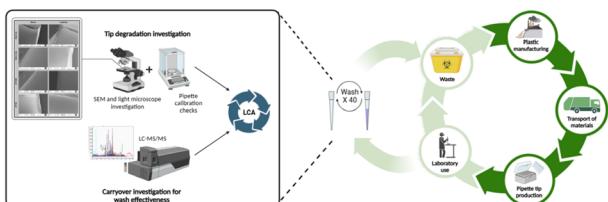
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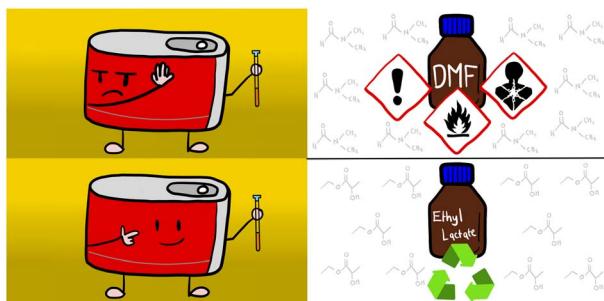
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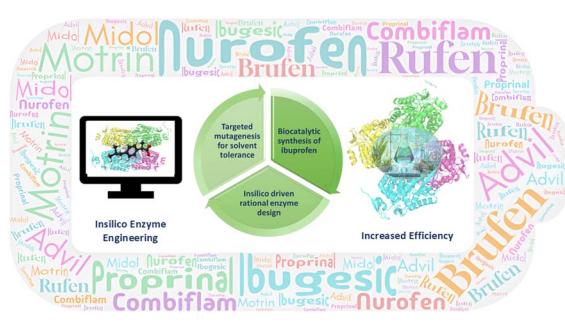
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Introducing bioderived solvents for safer and more sustainable ^{19}F benchtop NMR analysis of pyrolysis oils

Bridget Tang,* Jade Ré, Harry Partridge, Katie Chong, Arthur J. Raquauskas, Matthew J. Derry and Robert Evans

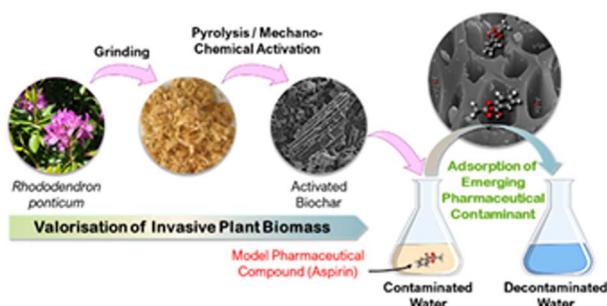
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Valorisation of invasive plant (*Rhododendron ponticum*) biomass into activated biochar as a sustainable adsorbent for emerging pharmaceutical contaminant removal from water

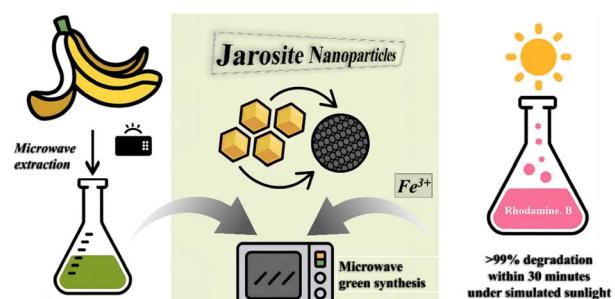
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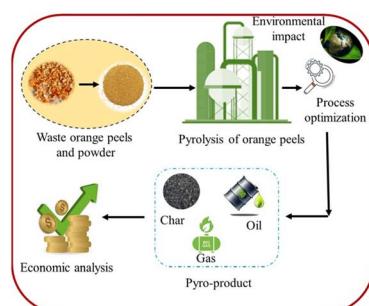
Hui Wen Neo, Eslam M. Hamed, Fun Man Fung* and Sam F. Y. Li*



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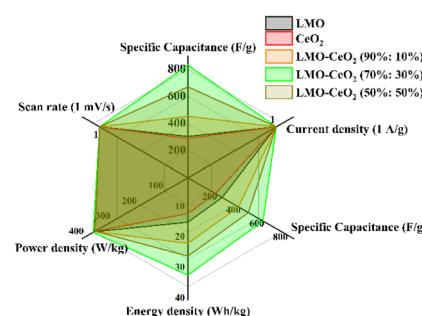
Uma Sankar Behera, Sourav Poddar* and Hun-Soo Byun*



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Unveiling the synergistic potential of LaMnO_3 – CeO_2 composites in supercapacitor applications

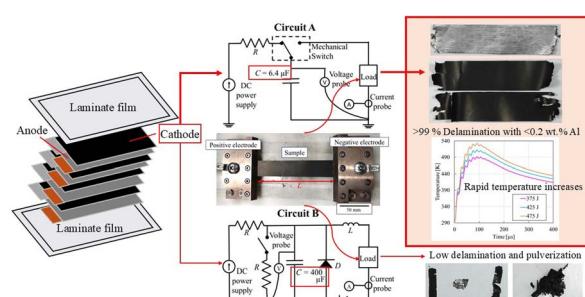
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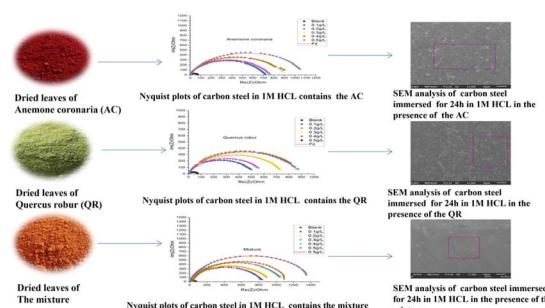
Low-capacitance pulsed discharge enables heat- and solvent-free delamination of lithium-ion battery cathodes

Chiharu Tokoro,* Moe Nakahara, Takatoshi Kurihara, Akiko Kubota, Mauricio Córdova-Udaeta, Asako Narita and Yutaro Takaya



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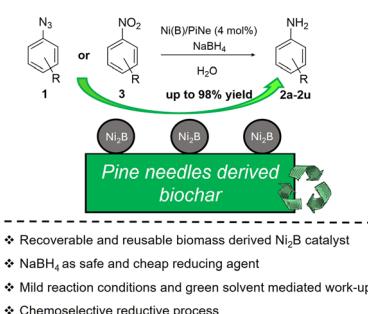
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Synergistic effect between *Anemone coronaria* and *Quercus robur* leaf extracts on mild steel corrosion in HCl 1 M solution: electrochemical and computational study

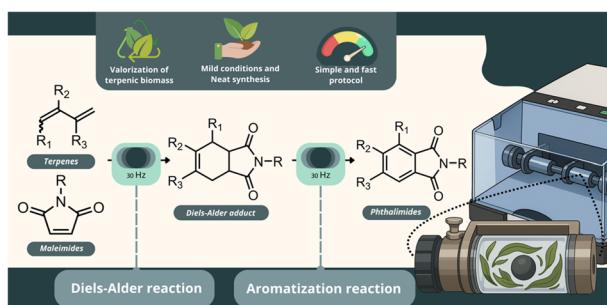
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- ❖ Recoverable and reusable biomass derived Ni_2B catalyst
- ❖ NaBH_4 as safe and cheap reducing agent
- ❖ Mild reaction conditions and green solvent mediated work-up
- ❖ Chemoselective reductive process

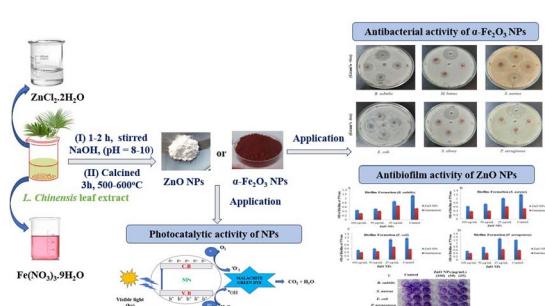
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Mechanochemical synthesis of phthalimides from terpenes via tandem Diels-Alder cycloaddition and iodine-mediated aromatization

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Green synthesis of ZnO and α - Fe_2O_3 nanoparticles using Chinese fan palm leaf extract for their biological and photocatalytic activity evaluation

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A green strategy for treating nitrate-contaminated wastewater using a zeolite P-based composite derived from rice husk ash

Nhu-Y Nguyen-Thi,* Yen Nhi Nguyen-Thi, Cuong-Quoc Nguyen, Kim-Phung Ly, Nguyen Minh Nhut, Luong Huynh Vu Thanh, Quang Le Dang, Quang De Tran and Phuong Lan Tran-Nguyen



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Salinity resistance and wind-enhanced evaporation of biomass-derived foam for sustainable solar desalination

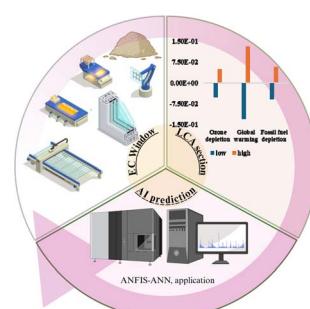
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Environmental assessment of natural and fourth-generation synthetic refrigerant blends for sustainable cooling in India

Sandhiya Lakshmanan,* Ranjana Aggarwal, Vikas Kumar Maurya, Sauvik Hossain S. K. and Kriti Tyagi

