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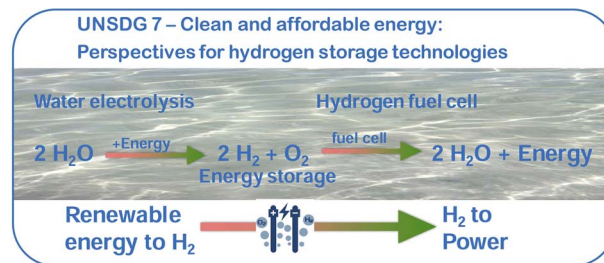
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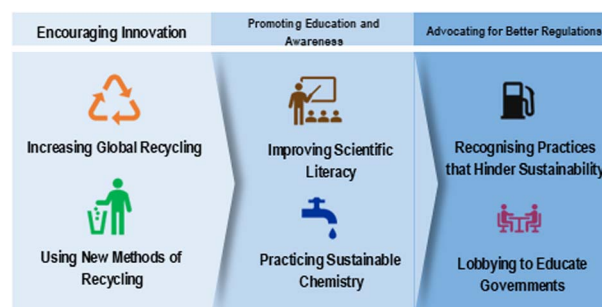


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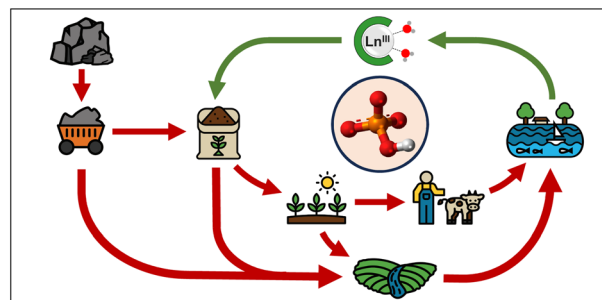
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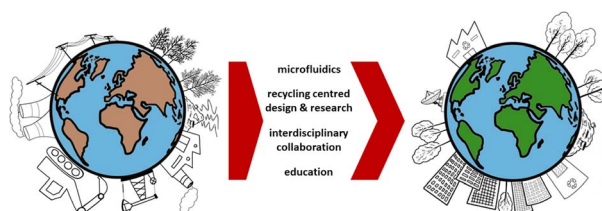
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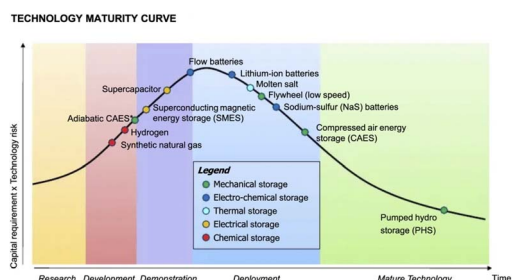
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ESSAYS

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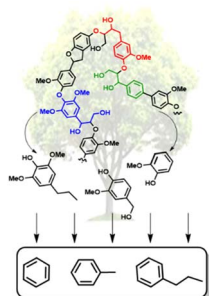


The excellence of chemical science in achieving a sustainable world

Selvakumar Selvarasu

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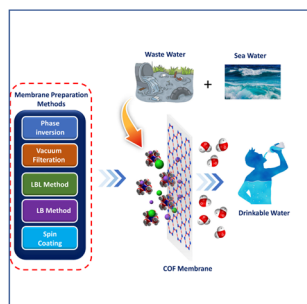
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Covalent organic framework-based lamellar membranes for water desalination applications

Akbar Ali, Muzmil Thebo, Dahar January, Muzaffar Iqbal, Waqas Mughal, Jun Yang* and Khalid Hussain Thebo*

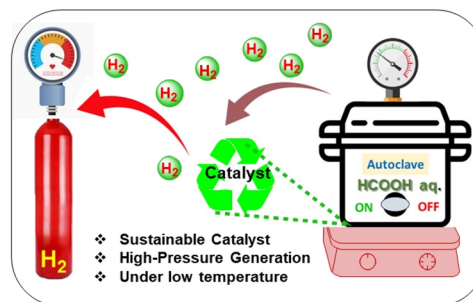


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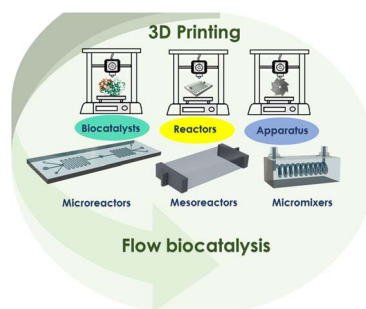
Soumyadip Patra, Babulal Maji, Hajime Kawanami and Yuichiro Himeda*



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3D printing for flow biocatalysis

Elena Gkantzou, Marie Weinhart and Selin Kara*

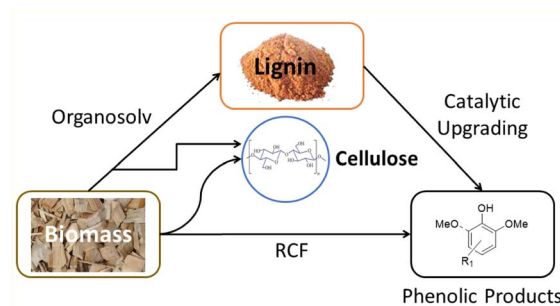


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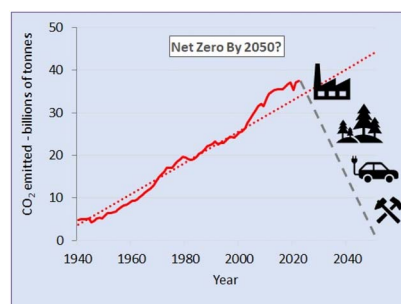
Mahdi M. Abu-Omar* and Peter C. Ford*



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Chemistry and pathways to net zero for sustainability

Stephen A. Matlin,* Goverdhan Mehta, Sarah E. Cornell, Alain Krief and Henning Hopf

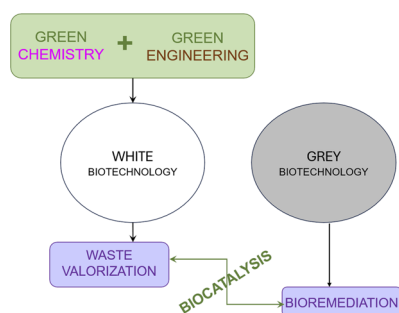


- GHG emissions reduction
- Carbon capture and reuse
- Shifts to new energy systems
- Efficient use of critical materials
- Clean, green production
- Circularity



PERSPECTIVES

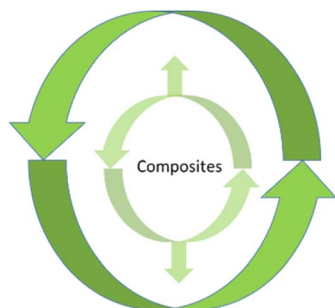
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Ipsita Roy and Munishwar Nath Gupta*

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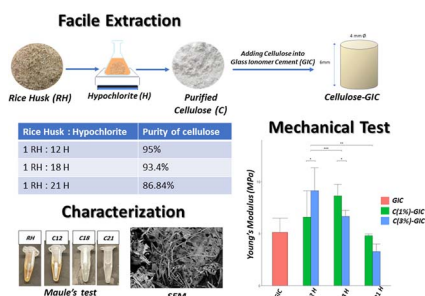


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Jonathan Meegan*

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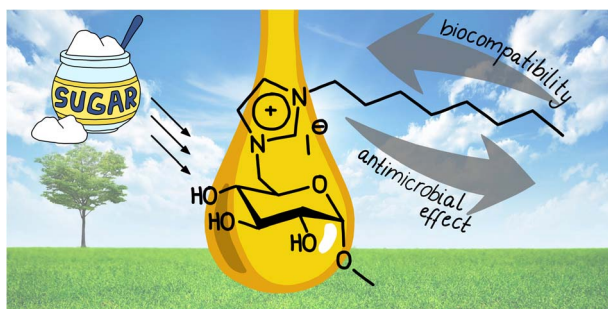


A one-step facile process for extraction of cellulose from rice husk and its use for mechanical reinforcement of dental glass ionomer cement

Saif El-Din Al-Mofty, Nehal H. Elghazawy and Hassan M. E. Azzazy*

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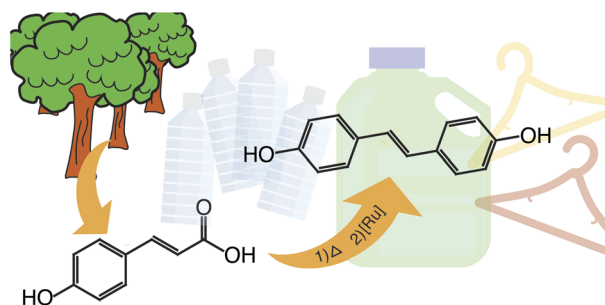
Stefan Jopp,* Tabea Fleischhammer, Antonina Lavrentieva, Selin Kara and Johanna Meyer*



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Sustainable approach for the synthesis of chiral β -aminoketones using an encapsulated chiral Zn(II)–salen complex

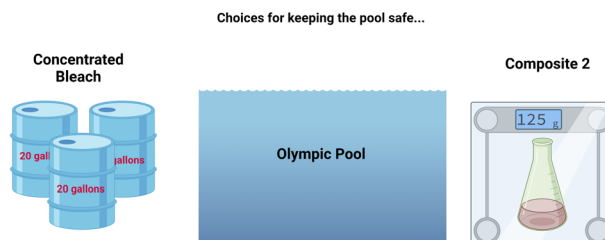
Pratikkumar Lakhani, Sanjeev Kane, Himanshu Srivastava, U. K. Goutam and Chetan K. Modi*



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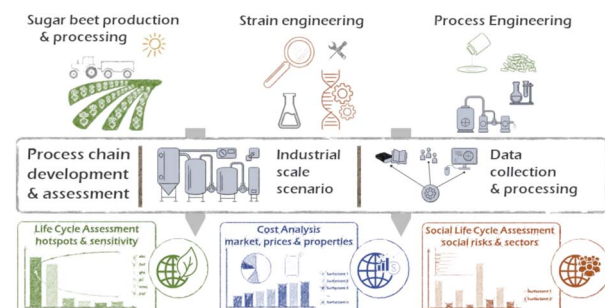
Abhinandan Banerjee,* Bukola R. Aramu, Sima Dehghandokht, Rayan Salama, Hao Zhou, Sharon M. Lackie, Moutasem Seifi, Pierre Kennepohl and John F. Trant*



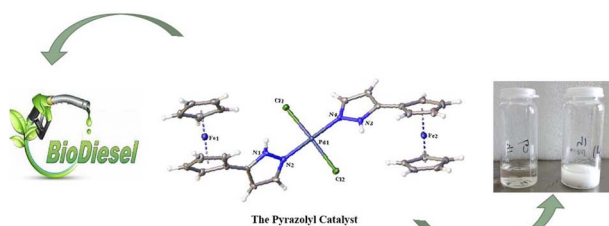
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Biosurfactants' production with substrates from the sugar industry – environmental, cost, market, and social aspects

Andreas Schonhoff,* Gerrit Stöckigt, Christina Wulf, Petra Zapp and Wilhelm Kuckshinrichs



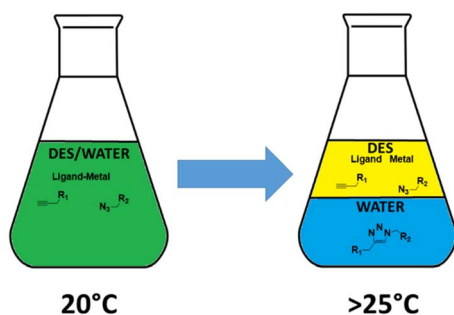
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Hydrogenation of biodiesel catalysed by pyrazolyl nickel(II) and palladium(II) complexes

Oluwasegun Emmanuel Olaoye,^{*} Olayinka Oyetunji,^{*} Banothile C. E. Makhubela, Gopendra Kumar and James Darkwa^{*}

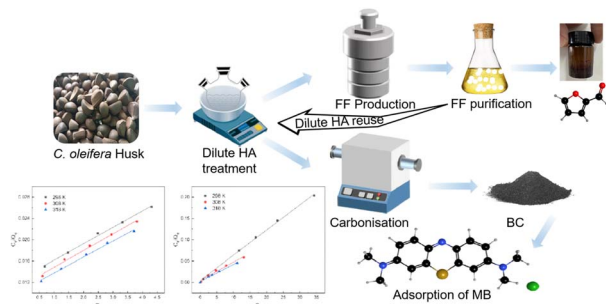
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Florence Charnay Pouget, Jean-Michel Andanson^{*} and Arnaud Gautier^{*}

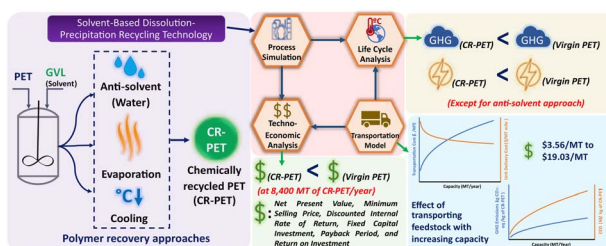
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Mingyang Hu, Yanyan Yu, Xiaoyan Li, Xinyu Wang and Yun Liu^{*}

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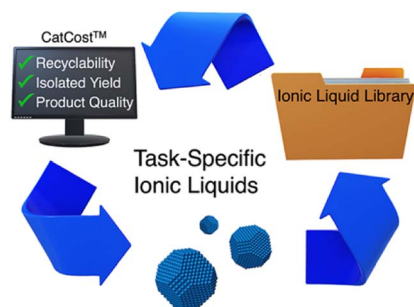
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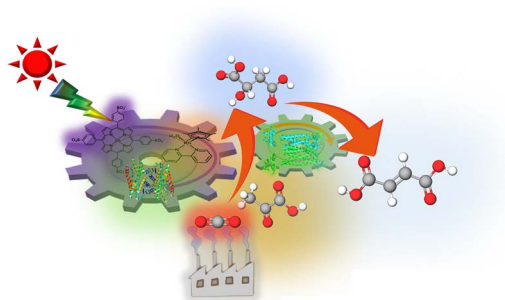
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