

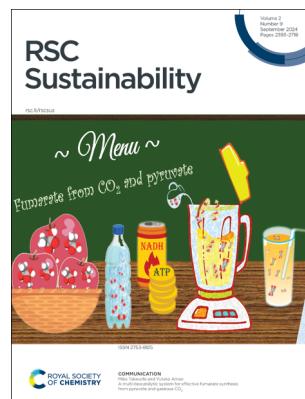
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See Hiroki Sakagami and Tetsuya Tsuda, pp. 2486–2490. Image reproduced by permission of Hiroki Sakagami and Tetsuya Tsuda from *RSC Sustainability*, 2024, 2, 2486.



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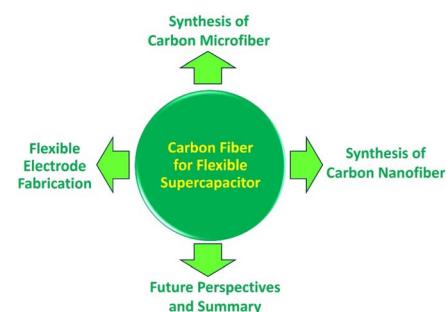
See Mika Takeuchi and Yutaka Amao, pp. 2491–2495. Image reproduced by permission of Yutaka Amao from *RSC Sustainability*, 2024, 2, 2491.

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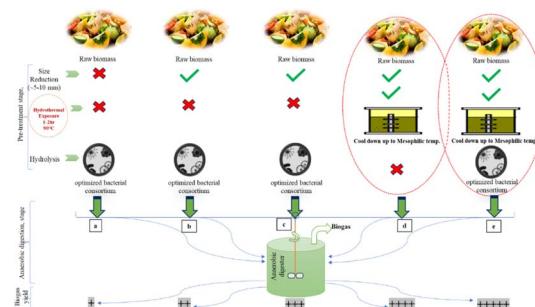
Susmi Anna Thomas, Jayesh Cherusseri\* and Deepthi N. Rajendran\*



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Rajesh Kumar Prasad,\* Anjali Sharma, Pranab Behari Mazumder and Anil Dhussa



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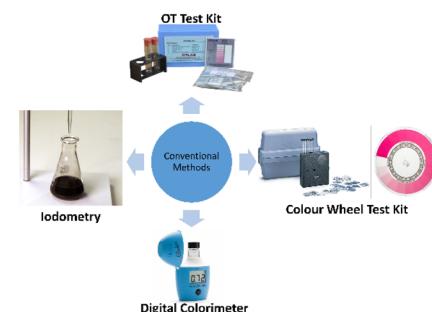
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**Recent developments and sustainability in monitoring chlorine residuals for water quality control: a critical review**

Yohan Khor, A. R. Abdul Aziz and Su Sin Chong\*

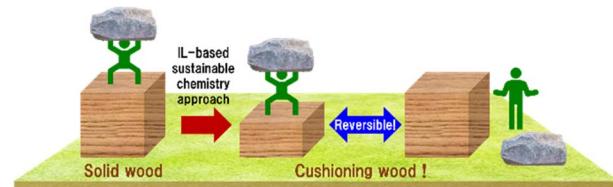


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**Fabrication of biological cushioning materials with natural wood structure by an ionic liquid-based sustainable chemistry approach**

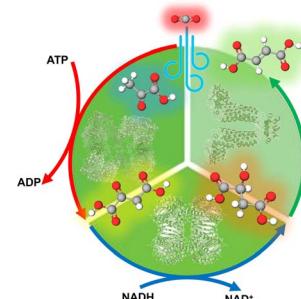
Hiroki Sakagami\* and Tetsuya Tsuda\*



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**A multi-biocatalytic system for effective fumarate synthesis from pyruvate and gaseous CO<sub>2</sub>**

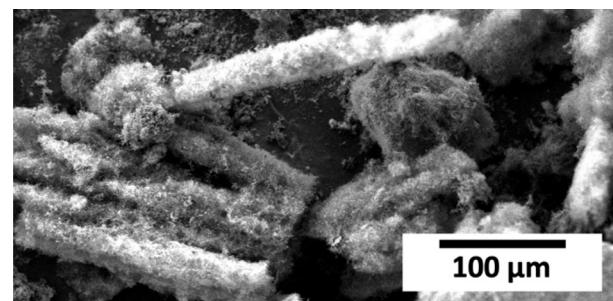
Mika Takeuchi and Yutaka Amao\*



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**Polymer composites with carbon nanotubes made from CO<sub>2</sub>**

Gad Licht, Kyle Hofstetter and Stuart Licht\*



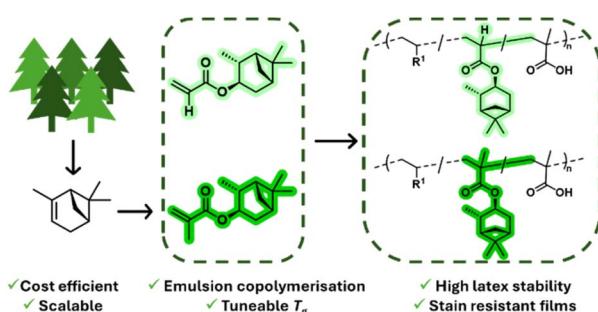
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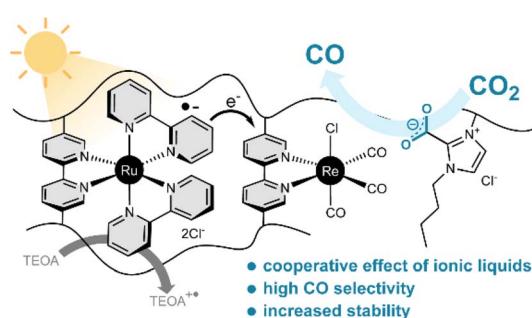
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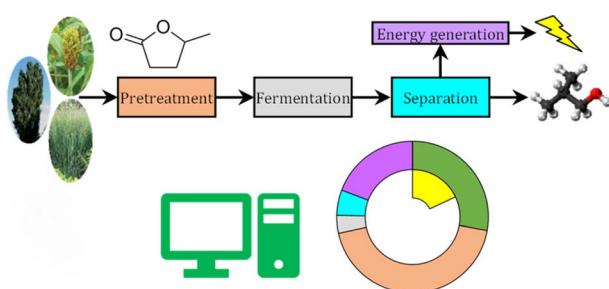
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Lisa Eisele, Bletë Hulaj, Maximilian Podsednik, Francesco Laudani, Pablo Ayala, Alexey Cherevan, Annette Foelske, Andreas Limbeck, Dominik Eder\* and Katharina Bica-Schröder\*

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**On the synthesis of biorefineries for high-yield isobutanol production: from biomass-to-alcohol experiments to system level analysis**

Arthur E. Pastore de Lima, Jason Coplien, Larry C. Anthony, Trey K. Sato, Yaoping Zhang, Steven D. Karlen, Chris Todd Hittinger and Christos T. Maravelias\*



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**Synthesis of high molecular weight poly(ricinoleic acid) via direct solution polycondensation in hydrophobic ionic liquids**

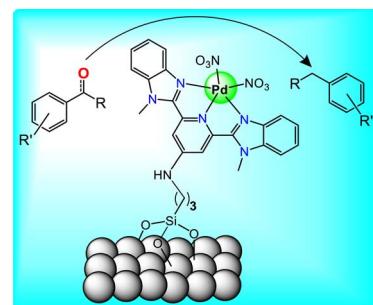
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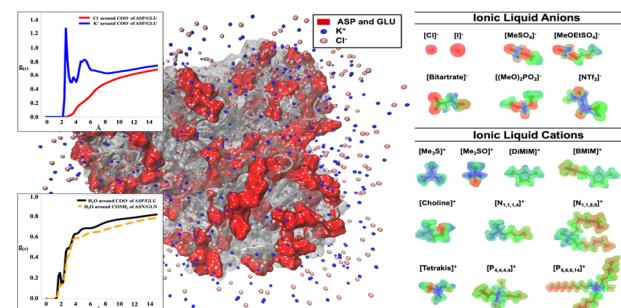
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**Ion-combination specific effects driving the enzymatic activity of halophilic alcohol dehydrogenase 2 from *Haloferax volcanii* in aqueous ionic liquid solvent mixtures**

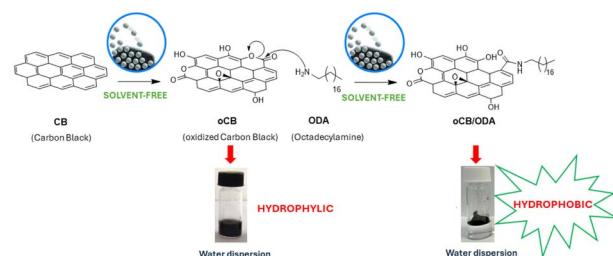
Alexandra Schindl,\* M. Lawrence Hagen, Isabel Cooley, Christof M. Jäger, Andrew C. Warden, Mischa Zelzer, Thorsten Allers and Anna K. Croft\*



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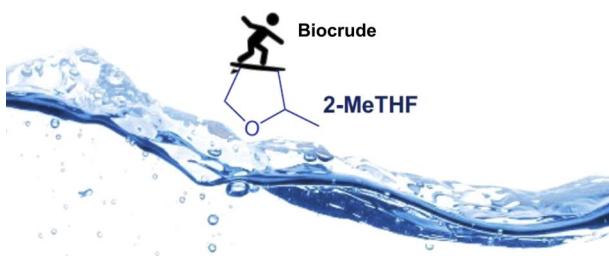
**Eco-friendly amidation of oxidized carbon black by dry ball milling**

Aida Kiani, Marco Palumbo and Maria Rosaria Acocella\*



## PAPERS

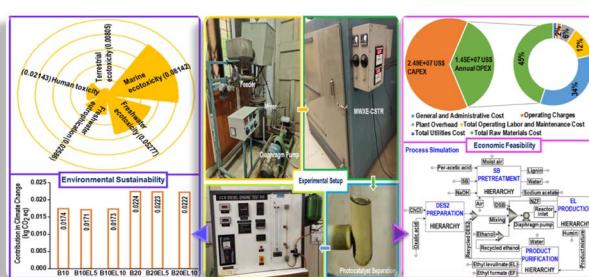
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## Hydrothermal liquefaction of different waste biomass using green solvent 2-methyltetrahydrofuran as extractant and co-solvent

Yuen Wai Lui, Sze Ha Tsang, Tsz Hin Chan, Ka Hei Chan, Yin Hei Lee, Hoi Fung Man and Matthew Y. Lui\*

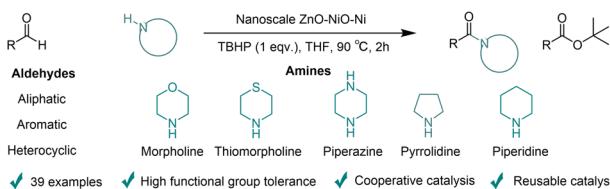
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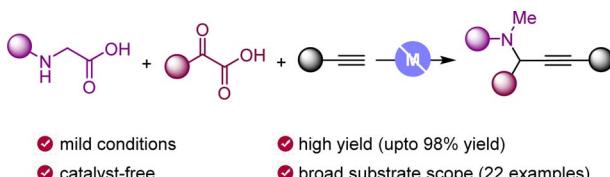
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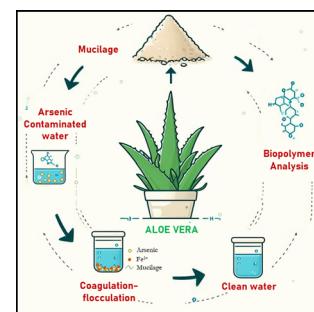


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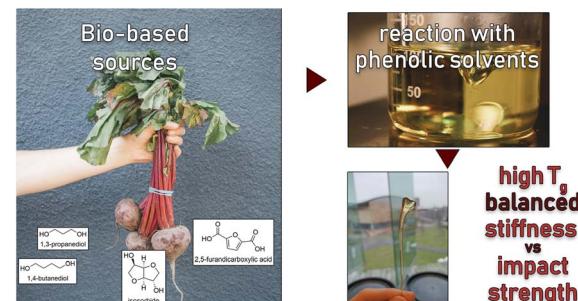
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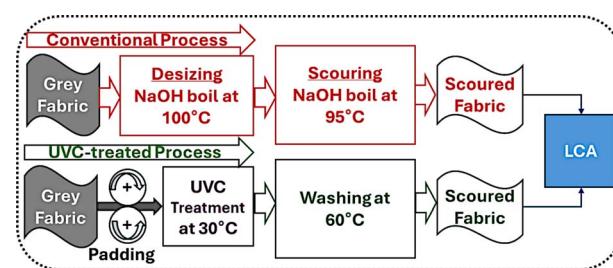
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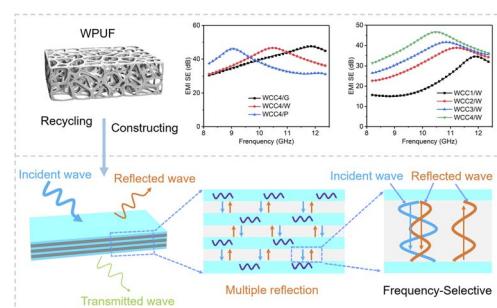
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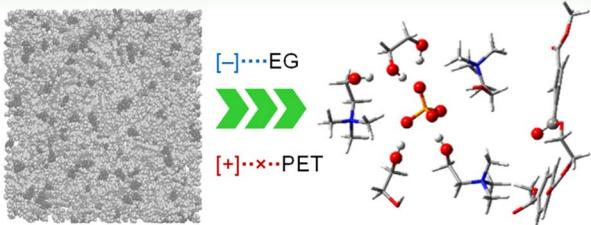
Jian Zhang, Qunhao Wang, Zehang Zhou, Zengyan Sui, Chao Wang\* and Canhui Lu\*



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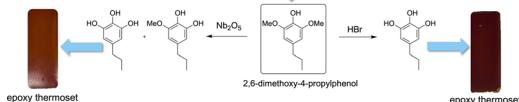
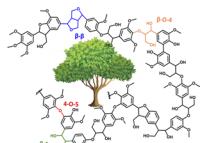
## PET glycolysis via ionic liquids... at atomic resolution



## Catalytic function of ionic liquids in polyethylene terephthalate glycolysis by molecular dynamics simulations

Mohamed Ahmed Nosir and Manuel Angel Ortuño\*

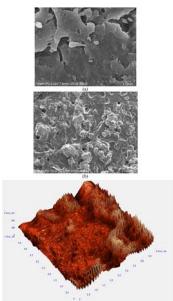
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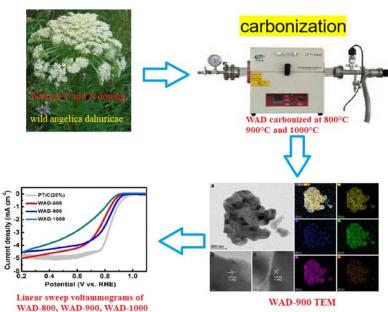
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Ankita Kumari and Baljit Singh\*

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Excellent phosphorus-doped porous carbon oxygen reduction reaction catalysts derived from natural wild *Angelica dahurica*

Wenhai Mo,\* Xiaohua Tan and Lei Zhao

