

# RSC Sustainability

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**Cover**  
See Carlos D. Garcia, Daniel C. Whitehead *et al.*, pp. 1184–1191.  
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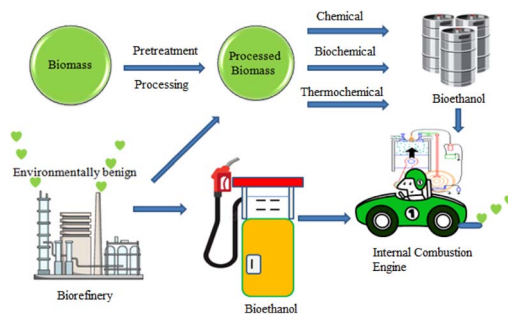
**Inside cover**  
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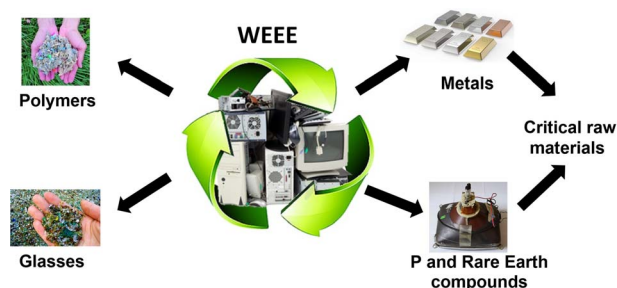
Shaswat Barua,\* Debojeet Sahu,\* Firdous Sultana, Swagata Baruah and Sadhan Mahapatra



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### Recovery of metals and valuable chemicals from waste electric and electronic materials: a critical review of existing technologies

Sahil Gulliani, Maurizio Volpe,\* Antonio Messineo and Roberto Volpe\*



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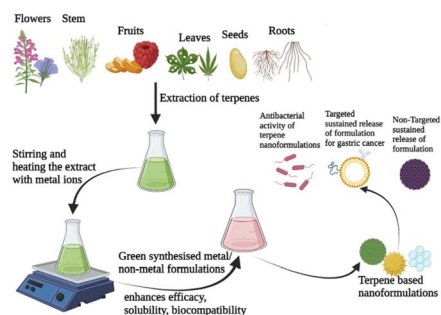


## CRITICAL REVIEWS

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**A review on terpenes for treatment of gastric cancer: current status and nanotechnology-enabled future**

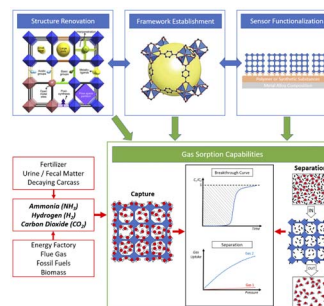
Komal Attri, Deepinder Sharda, Bhupendra Chudasama, Roop L. Mahajan\* and Diptiman Choudhury\*



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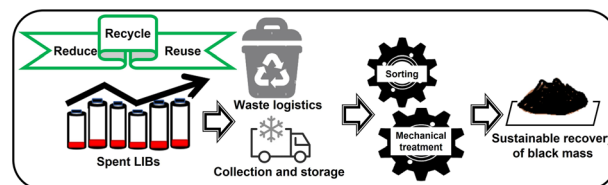
Gia Huy Pham and Cerasela Zoica Dinu\*



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Madhushri Bhar, Shuvajit Ghosh, Satheesh Krishnamurthy, Y. Kaliprasad and Surendra K. Marthi\*

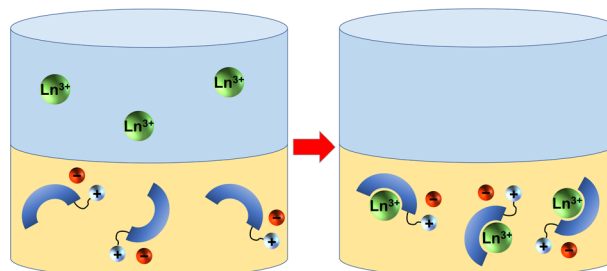


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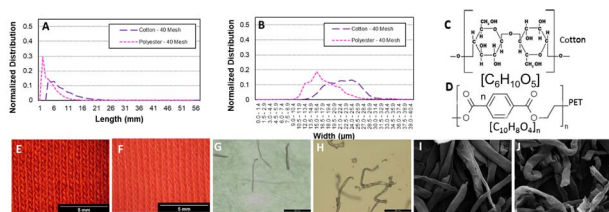
**A perspective on task-specific ionic liquids for the separation of rare earth elements**

Chi-Linh Do-Thanh, Huimin Luo and Sheng Dai\*



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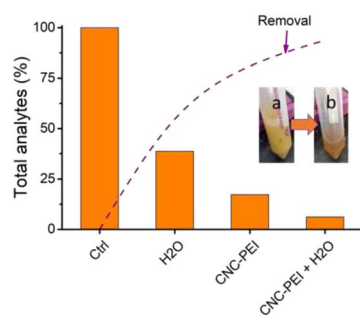


### Charting a path to catalytic upcycling of plastic micro/nano fiber pollution from textiles to produce carbon nanomaterials and turquoise hydrogen

Silvia Parrilla-Lahoz, Marielis C. Zambrano, Vlad Stolojan, Rachida Bance-Soualhi, Joel J. Pawlak, Richard A. Venditti, Tomas Ramirez Reina and Melis S. Duyar\*

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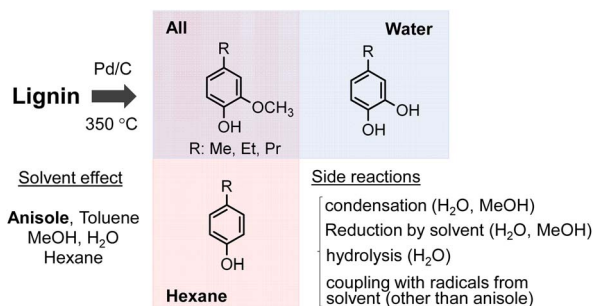
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### Removal of metals and inorganics from rendered fat using polyamine-modified cellulose nanocrystals

Ezequiel Vidal, Frank Alexis, José M. Camiña, Carlos D. Garcia\* and Daniel C. Whitehead\*

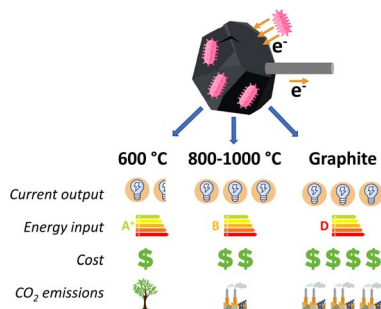
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### Effects of solvent on pyrolysis-assisted catalytic hydrogenolysis of softwood lignin for high-yield production of monomers and phenols, as studied using coniferyl alcohol as a major primary pyrolysis product

Jiaqi Wang, Eiji Minami and Haruo Kawamoto\*

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### Biochar as a substitute for graphite in microbial electrochemical technologies

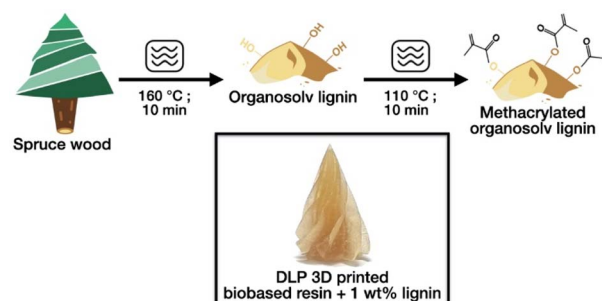
Sofía Antic Gorrazzi, Diego Massazza, Andrea Pedetta, Leonel Silva, Belén Prados, Gastón Fouga and Sebastián Bonanni\*



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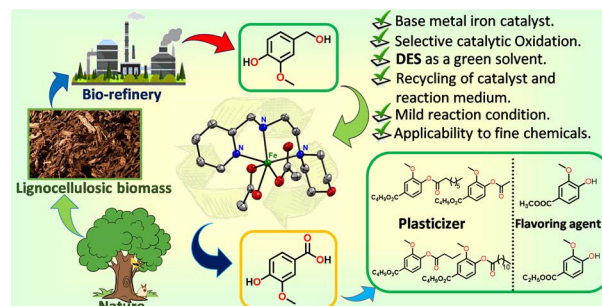
Jenevieve Yao, Maria Karlsson, Martin Lawoko, Karin Odelius and Minna Hakkarainen\*



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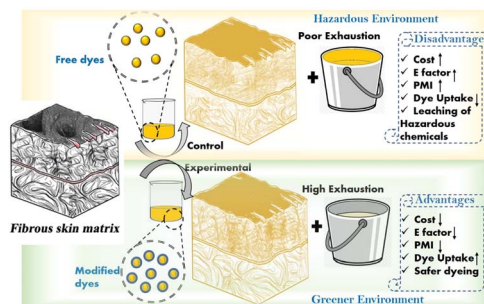
Rahul Ghosh, Surajit Panda, Ashutosh MahaKhuda, Ratnakar Saha and Bidraha Bagh\*



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### Hollow silica nanoparticles loaded with industrial dyes for high exhaustion leather dyeing and its sustainability impact

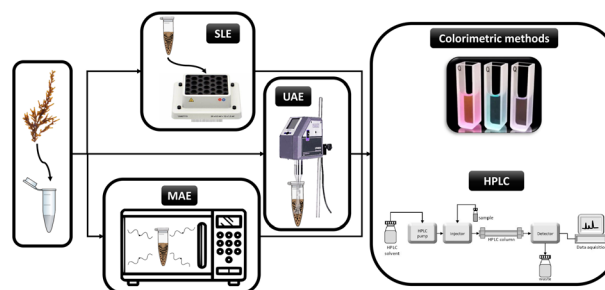
Sathya Ramalingam,\* Jonnalagadda Raghava Rao and Kalarical Janardhanan Sreeram



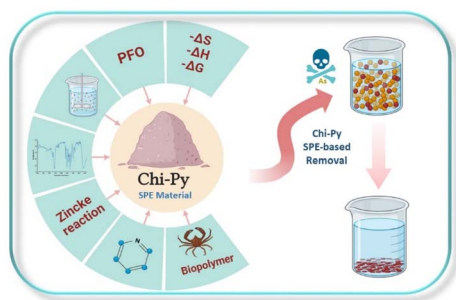
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Bárbara C. Jesus, Blanca Sáenz de Miera, Rubén Santiago, Alice Martins, Rui Pedrosa, Maria González-Miquel\* and Isabel M. Marrucho\*



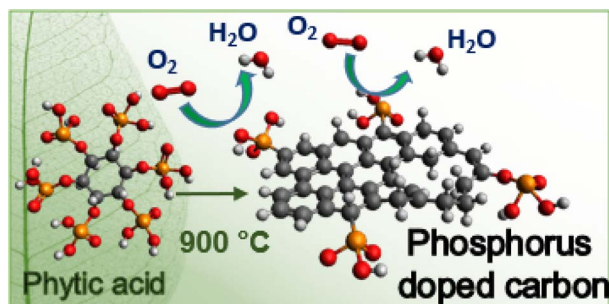
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### A pyridinium-modified chitosan-based adsorbent for arsenic removal via a coagulation-like methodology

Deysi J. Venegas-García, Bernd G. K. Steiger and Lee D. Wilson\*

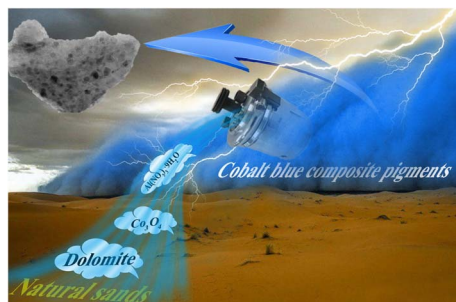
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Sergio García-Dalí,\* Javier Quílez-Bermejo, Jimena Castro-Gutiérrez, María T. Izquierdo, Alain Celzard and Vanessa Fierro\*

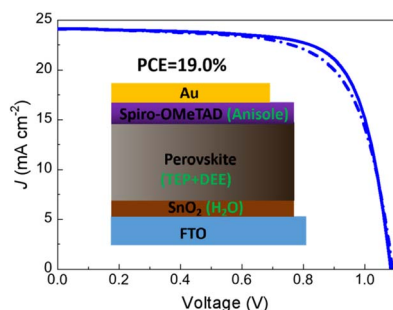
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Hao Yang, Bin Mu,\* Tenghe Zhang, Yushen Lu and Aiqin Wang\*

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Xiaobing Cao,\* Lei Hao, Gengyang Su, Xiaoxi Li, Tuyu Dong, Pengjie Chao, Daize Mo, Qingguang Zeng, Xin He\* and Jinquan Wei\*

