

# EES Batteries

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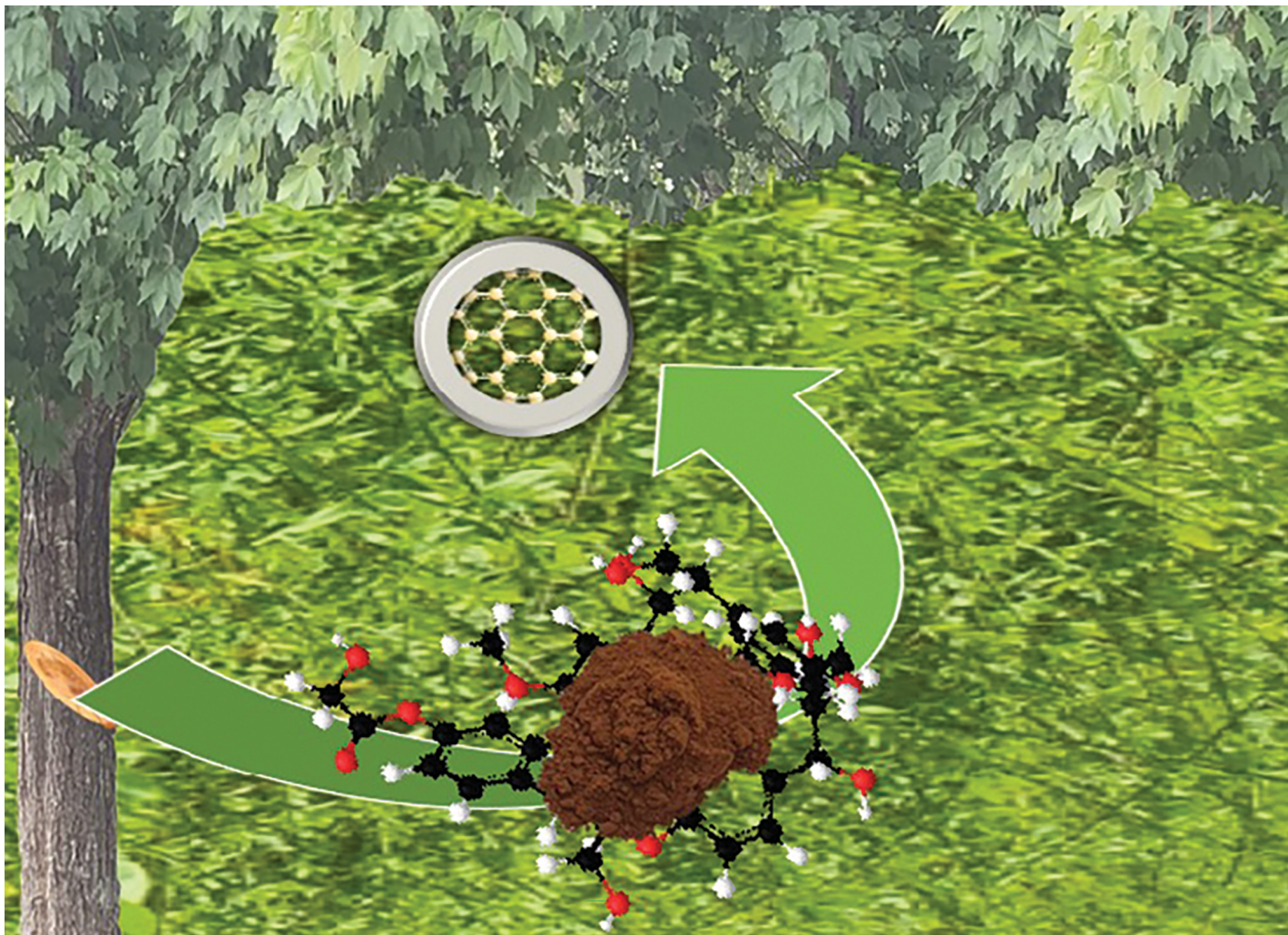
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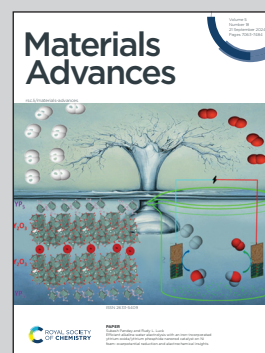


Showcasing research from Professor Ragauska's laboratory, School of Engineering, University of Tennessee, Knoxville, USA.

Lignin-based vitrimers: valorization and utilization of lignin in high-value applications

This paper discusses various chemical modifications of lignin, and development of lignin-based vitrimers that could promote transition from fossil-based to bio-based polymeric materials for sustainable economy. Thermal-mechanical properties of vitrimeric materials derived from lignin, alongside their vitrimeric chemistry and potential applications are also discussed.

As featured in:



See Arthur J. Ragauskas *et al.*, *Mater. Adv.*, 2024, 5, 7075.