



Sustainable Biochemicals and Biopolymers from Bioresources

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Message from the Guest Editors

Bioresources are extremely common and widespread in nature. They play crucial roles in a huge number of research areas: health, biopharma, food, cosmetics, chemicals, bioplastics, biopackaging, biotechnology, building, fuels, etc.

For these reasons, the research in new methods for producing valuable biochemicals or biocomposites from natural bioresources with novel properties and applications is a hot topic that is rapidly evolving in organic polymer sciences. Biochemicals are obtained from bioresources through physical or chemical conversion. Common pyrolysis or catalytic conversion methods are promising technologies for converting bioresources into valuable bioproducts. Biocomposites are formed by two or more phases, usually derived from organic polymers as the matrix and fibers as the reinforcement. Generally, the strength and stiffness of the fiber materials are much higher than those of the polymer matrix materials, and thus the fibers are the major load-bearing component in polymer composites.





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