Special Issue

Biocomposite Materials Derived from Forest Biomass Management

Message from the Guest Editor

The management of forests requires the removal of biomass from the surface of the soil for the formation of humus. These processes produce a large quantity and variety of lignocellulosic materials, which aren't often adapted to energy recovery via combustion. They can be employed as a secondary source of lignin, cellulose and relevant products, including biocomposites, on which this Special Issue specifically concentrates. These materials could provide a substitute for petrochemical resins and wood–plastic composites in order to limit the depauperating of planet resources, would also offer more accurate control with regard to the botanical species and performance obtained by the material, resulting in more facile and accurate traceability. This SI emphasizes the use of local products, in a context that promotes the significant import/export of wood-related products but doesn't impose controls regarding their origin and forest management. The increasing number of “zero km” botanical species could be utilized as a source of secondary raw materials for biocomposites supports this interest and constitutes a trend that is likely to continue in the coming years.

Guest Editor

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Deadline for manuscript submissions

30 January 2026

Forests

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 4.6

mdpi.com/si/227447

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