Special Issue

Innovative Approaches for Cellulose-Containing Materials

Message from the Guest Editors

The growing demand for lignocellulosic raw materials has led to an increase in innovation in their production technology. The deficit of the main component of wood-based materialsnhas led to the development of wood-based technology in three main directions:

- the production of lightweight wood-based materials or materials with reduced density;
- substitution of wood particles with particles from other plants that have not yet been used as the main raw material;
- improvement of the load-bearing capacity of known materials so that the cross-sections of these materials used in the main product can be reduced.

The aim of this Special Issue is to bring up-to-date knowledge on the latest processes for manufacturing materials from lignocellulosic raw materials, to present wood-based products with improved or modified properties or to identify the features and drawbacks of current materials that need improvement. Therefore, we encourage you to submit both purely scientific articles and review papers, or even interesting expert opinions on new processes for the production of lignocellulosic materials in any board or beam form.

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Deadline for manuscript submissions

closed (10 June 2023)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/98930

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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