Special Issue

Valorization of Lignocellulosic Biomass for Functional Materials

Message from the Guest Editors

This Special Issue “Valorization of lignocellulosic biomass for functional materials” is aimed at collecting high-quality original research and review articles on topics including (but not limited to) the most recent approaches in biomass conversion of wood and non-wood materials into bioproducts. Potential topics include, but are not limited to:

- Basic properties of biomass for bioproduct sources;
- The most recent and advanced biomass conversion technologies applicable to both woody and non-woody biomass;
- The effects of pretreatment variables on the properties of bioproducts;
- Principal mechanisms of biomass conversion;
- Utilization of biopolymers including structural and non-structural components for functional materials;
- Application of biorefinery concept of biomass conversion into bioproducts environmental impact and life cycle assessment of bioproducts;
- Socio-economical aspect assessment in the biomass conversion.

Guest Editors

Dr. Widya Fatriasari

Prof. Dr. Petar Antov

Dr. R.A. Ilyas

Dr. Seng Hua Lee

Dr. Mohd. Hazwan Hussin

Deadline for manuscript submissions

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Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

mdpi.com/journal/materials

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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.

Editor-in-Chief

Prof. Dr. Maryam Tabrizian
1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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