Special Issue

Natural Lignocellulosic Fiber Reinforced Polymer Composites

Message from the Guest Editors

Fibre-reinforced composites are among the most advanced engineering materials in industrial applications. Tailored or customized fibre-reinforced composite materials offer multiple advantages. Driven by the need for sustainable eco-friendly materials, natural fibres have been introduced as potential substitutes for synthetic fibres as composite reinforcements. Natural fibres can be used to create polymer composites, which encourage researchers to make natural fibre-reinforced composites suitable to replace traditional composites.

This Special Issue aims to provide a forum for the discussion on recent advances in the use of natural fibres from wood or annual plant strands, virgin or recycled, as reinforcement or filler material for composite materials from oil-based, bio-based, or biodegradable polymer matrices. The scope of this Special Issue includes basic research on the chemical structure of composites and its interface with applied research on mechanical and thermal characteristics or the water uptake and degradation properties of composite materials. This Special Issue also include studies on the life cycle assessment or environmental impact of composites.

Guest Editors

Prof. Dr. Fabiola Vilaseca

Prof. Dr. Francisco Javier Espinach Orús

Prof. Dr. Peré Mutjé

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

mdpi.com/journal/polymers

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Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.7.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Alexander Böker
Lehrstuhl für Polymermaterialien und Polymertechnologie, University of Potsdam, 14476 Potsdam-Golm, Germany

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