Special Issue

Wood Polymer Composites: Properties, Processing and Applications

Message from the Guest Editors

Wood polymer composites (WPC) have grown rapidly because of their low cost, durability, and sustainability. They are commonly used in outdoor decking, fencing, furniture, and building materials. In addition, novel WPCs have received increasing attention due to their broad prospects in the field of new materials and energy. Novel WPCs are generally made from cellulose combined with various functional polymers via “bottom-up” or “top-down” methods. This Special Issue will curate recent advances in the design, synthesis, characterization, and utilization of wood polymer composites, highlighting some of the challenges in the development and implementation of these materials. Topics will include but are not limited to:

- Traditional wood polymer composites, including plywood, particleboard, fibreboard, and wood plastic composites;
- Novel wood polymer composites, such as wood aerogels and hydrogels;
- Polymer composites prepared from the main components of wood, including cellulose, hemicellulose, and lignin;
- Wood adhesives and various polymers used for preparing wood polymer composites.

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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
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