



## Performance and Application of Novel Biocomposites II

Guest Editors:

### Dr. Oisik Das

Structural and Fire Engineering  
Division, Department of Civil,  
Environmental and Natural  
Resources Engineering, Luleå  
University of Technology, 97187  
Luleå, Sweden

### Dr. Lin Jiang

Department of Mechanical  
Engineering, Nanjing University  
of Science and Technology,  
Nanjing 210094, China

Deadline for manuscript  
submissions:

**closed (5 December 2022)**

### Message from the Guest Editors

Sustainability and safety along with strength are the cornerstones for the development of contemporary industrial products. Due to this, biocomposite materials are undergoing steady development which can be applied for numerous applications. However, biocomposites oftentimes suffer from poor mechanical properties and are very susceptible to fire. As a consequence, new research should be devised in order to manufacture biocomposites with superior performance properties. This could be achieved using novel biobased reinforcements and natural polymer resins having attractive material characteristics.

The Special Issue, entitled “Performance and Application of Novel Biocomposites”, would serve as a platform for addressing the developments made in the field of polymer composites where innovative methods, materials, and processing are employed to enhance mechanical, fire, and functional properties. Potential topics include but are not limited to the following: carbon-based materials (e.g., biochar and graphene), self-healing composites, flammability, nanoindentation, biopolymers (e.g., gluten), new processing and testing techniques, and fiber surface modifications.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Alexander Böker

Lehrstuhl für Polymermaterialien  
und Polymertechnologie,  
University of Potsdam, 14476  
Potsdam-Golm, Germany

## 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 5.0.

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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubMed, PMC, FSTA, CAPlus / SciFinder, Inspec, and other databases.

**Journal Rank:** JCR - Q1 (Polymer Science) / CiteScore - Q1 (General Chemistry)

## Contact Us

---

*Polymers* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/polymers  
polymers@mdpi.com  
X@Polymers\_MDPI