Special Issue

Advanced Natural Polymeric Materials

Message from the Guest Editors

Natural polymer materials have been developed and optimized by nature to fulfill specific needs in a wide range of specialized applications. Two specific examples would be structural polysaccharides such as cellulose and hemicelluloses together with aromatic lignin improving the outstanding strength of plant cell walls at the nanoscale and in wood at a macroscopic scale, providing man with building and crafting materials for thousands of years. The second example includes other polysaccharides such as the chitin that is present the material comprising the main cell wall in the reign of fungi and that constitutes the exoskeletons of insects or shellfish. The vast processing rate of both of the mentioned polymeric materials by man in building material or food production applications, respectively, generates humongous residual lignocellulosic or chitincompound biomass that has been increasingly used as building blocks for the development of specialized materials in research applications in recent years. The aim of this Special Issue is to cover natural polymer materials that have found applications for the solutions to modern and innovative research questions.

Guest Editors

Dr. Florian Zikeli

- Dr. Luis Zelaya-Lainez
- Dr. Sebastián Serna-Loaiza

Deadline for manuscript submissions

closed (15 December 2023)



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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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