

Special Issue

Bio-Based Polymers: Preparation, Characterization and Applications

Message from the Guest Editors

Biodegradable polymers (biopolymers), together with nanotechnology, have found broad applications in the biomedical and pharmaceutical world. Biopolymeric systems include, but are not limited to, hydrogels, stimuli-responsive polymers, polymeric nanomaterials, liposomes, nanocomposites, scaffolds, polymeric micelles, dendrimers, and graft co-polymers, which mostly have therapeutic or diagnostic applications. These biopolymers have been the focus of recent research, owing to their excellent properties, such as low toxicity, biodegradability, biocompatibility, and stability. Biopolymers play an important role in regenerative medicine and tissue engineering, as these can be degraded to non-toxic components inside the body. However, a more in-depth understanding of the surface and bulk properties of these polymers is crucial in expanding their use in pharmaceutical and medicinal industries. Therefore, this Special Issue invites authors to contribute their most recent findings and innovations in this budding area of research.

Guest Editors

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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 4.9.

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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