

Special Issue

Chitin and Chitosan: Properties and Applications

Message from the Guest Editor

This Special Issue is dedicated to chitin and chitosan: properties and applications. The development of new polymer materials has recently become an extremely fascinating research topic, especially in relation to chitin and chitosan. Chitin, chitosan, and their derivatives hold great economic merit due to their versatile activities and biotechnological applications. Chitin and chitosan are traditionally prepared from chitin-containing fishery processing (shrimp shells, crab shells, and squid pens) through various procedures including chemical, enzymatic, and microbial treatments. For improving their properties, chemical modifications have also been intensively studied. Compared to synthetic polymers, chitin and their derivatives have advantages of being biocompatible, biodegradable and sustainable. The aim of this Special Issue is to discuss their manufacturing, modification, characterization, as well as their various physical and chemical applications in biomedical and green industry fields. Both research and review articles are welcome.

Guest Editor

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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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