Special Issue

Biopolymer-Based Materials in Medical Applications, Third Edition

Message from the Guest Editors

Biopolymer-based materials are mainly composed of natural polymers from plants, animals, or microorganisms. Their use in medicine has grown steadily due to biocompatibility, biodegradability, and versatility. Applications include drug delivery, tissue engineering, wound dressings, surgical sealants and adhesives, orthopedic implants, dental applications, diagnostic devices, and vaccine delivery. As demand rises, further research on extraction, new materials, and industry development is important. Although biodegradability is an advantage, it can also be a disadvantage, as these materials may suffer wear and tear from intensive interaction with the body. Further studies on treatment effects and related biological mechanisms can therefore support efficient use.

For this Special Issue, "Biopolymer-based Materials in Medical Applications, Third Edition," we invite reviews and original papers on therapy effects, biological mechanisms, and applications of biopolymer-based materials.

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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 5.8.

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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