Special Issue

Biomedical Modelling and Biomechanics of Polymer Materials

Message from the Guest Editor

Biomaterials play an important role in organ repair, tissue engineering and regenerative medicine. Among biomaterials, polymer materials are a large family including natural and synthetic polymer materials comprising several thousand types. The key properties of polymer biomaterials (e.g., biosafety, functionality and biocompatibility) depend on both the composite and structure of the polymers. To develop more suitable polymer biomaterials for human health, it is necessary to investigate the biomedical modelling and biomechanics behind the polymer materials' synthesis and processing. We especially encourage the submission of papers describing investigations related to new and promising polymer biomaterial processing techniques such as additive manufacturing. Accordingly, this Special Issue seeks to showcase research papers, short communications, and review articles that cover but are not limited to experiments and/or simulations on biomedical modelling and biomechanics of polymer materials for biomedical aims.

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 4.7.

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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