

Special Issue

Polymers, Biomolecules and Nanocomposites: Computational Perspectives

Message from the Guest Editor

Dear colleagues, Macromolecules are a very broad class of materials with potential applications in many different fields. Among them, polymers retain a prominent position due to a huge variety of parameters that can determine their functionality. Architecture, composition, chemistry, molecular weight, etc. are some of their critical features. Combined with suitable nanofillers, one can create reinforced nanocomposites with exceptional properties. Some similar features are also found in biological macromolecules (e.g., proteins), which either alone, or in combination with polymeric molecules, further expand the range of potential applications (biotechnological, medical, etc.). This Special Issue aims to offer new insights into and reports recent progress in the field of polymers, biopolymers, and related nanocomposites, with a computational perspective on methods, models, properties, and related applications, establishing accurate structure–property relationships. Combined simulation and experimental studies would also be welcome, as they highlight the complementarity of research approaches. Authors are invited to submit their original full articles, or reviews.

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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