

Special Issue

The Application of Polymers in Biomimetics

Message from the Guest Editor

The advancement of polymer materials in the field of biomimetics is driving a wave of innovation in the scientific community. The development of these materials is deeply inspired by the structures and functions of biological entities found in nature. Self-healing materials, superhydrophobic surfaces, color-changing effects, and intelligent response characteristics are all products of mimicking the wondrous designs of the natural world, bringing new application possibilities to various industries. In the field of medicine, the application of polymer materials has already demonstrated their unique value. Polymer materials that mimic human tissue characteristics are being used in tissue engineering and drug delivery systems, offering more natural and effective treatment options. This is just one example among many fields, illustrating the broad application prospects of polymer materials. Therefore, we cordially invite experts and scholars with innovative technologies or unique insights in the fields of polymer materials and biomimetics to join our Special Issue, 'Application of Polymers in Biomimetics', to share their research findings and perspectives.

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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