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Polymer-Based Flexible Materials

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Message from the Guest Editors

Compared to traditional flexible materials, such as metal-based, ceramic-based, and glass-based materials, polymer-based flexible materials show advantages including low density, easy processing, excellent flexibility, and good environmental stability. Over the past few decades, polymer-based flexible materials have received significant attention, due to the rapid development of electronic industry, medical treatment, health, and other fields. For instance, flexible electronic technology shows great potential in remoulding the lifestyles of human beings, but the bottleneck of flexible electronic technology is flexible substrates or flexible conductive materials, which can be solved by modifying or doping polymer-based flexible materials. Moreover, it is possible to synthesize new polymer-based flexible materials or modify them for different purposes to endow them with corresponding functionality.

Fields that will be covered include, but are not limited to: synthesis (organic elastomers, conductive polymers, and flexible organic networks); structural characterization; modelling; and applications (sensor, energy harvesting and storage, electromagnetic shielding, and biomedical).

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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.

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