Special Issue

Advanced Polymers for Global Net-Zero Carbon Emission

Message from the Guest Editors

This Special Issue is motivated by the observed growing interest in the global net-zero carbon emission commitments by 2050. A variety of design, fabrication and applications of polymer-based devices have been developed according to intrinsic chemical and physical properties extending to their fascinating sustainable capabilities. As the external stimuli, including pH, light, heat, radiation, etc., are further applied to the polymer-based devices, they may have a corresponding reversibly or irreversibly change in the recovery process. Thus, the Special Issue will collect communications, feature articles, original research articles, reviews and perspective papers are welcome. Research areas may include (but are not limited to) the following, works with an emphasis on the global net-zero carbon emission with clean energy, pollutes detection, innovative fabrication processes, and novel concepts of functional hydrogel/polymer/composite. We are pleased and sincerely to invite researchers in this field to submit relevant manuscripts to this Special Issue of the journal *Polymers*.

Guest Editors

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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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