Special Issue

Polymer-Based Materials for Energy and Environment Applications

Message from the Guest Editors

The development of novel materials with superior performance and stability is essential for solving challenges associated with energy (energy scarcity) and the environment (air and water pollution). Polymer materials are an excellent option for energy and environmental applications because of numerous benefits, including their lightweight, flexibility, reliability, affordability, and ease of processing. This Special Issue focuses on polymer-based materials as membranes, separators, films, gels, and electrodes for energy and environment systems. The following topics are within, but not limited to, this Special Issue's scope:

- Functionalized polymer-based membranes for energy applications (fuel cells, batteries);
- Polymer-based flexible electrodes for energy applications (fuel cells, batteries, supercapacitors);
- Polymer-based aerogels for environment application (oil–water separation, water filtration, pollutant degradation and adsorption);
- Polymer-based composite materials for pollutant degradation (sonocatalyst and photocatalyst);
- Polymer materials for liquid and gas filtration.

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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.

Editor-in-Chief

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