

Special Issue

Recent Advances in Polymer Nanocomposites for Enhanced Filtration and Purification in Water Treatment

Message from the Guest Editor

This Special Issue aims to highlight recent advancements in polymer nanocomposites and their applications in improving filtration and purification processes in water treatment. We invite researchers to submit works that explore new polymer nanocomposites with specific properties to enhance the efficiency and selectivity of filtration systems, thereby reducing the presence of organic and inorganic contaminants in water. We are interested in contributions that address nanomaterial synthesis, surface functionalization techniques, performance evaluations of nanotechnology-based filters, and considerations regarding scalability and feasibility for large-scale application. This Special Issue will provide a platform to share novel advances and foster discussions on the potential of polymer nanocomposites in optimizing water treatment processes.

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 4.9.

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

Prof. Dr. Alexander Böker

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