Special Issue

Micro- and Nanoplastics Engineering and Design for Research

Message from the Guest Editors

This Special Issue, entitled "Micro- and Nanoplastics Engineering and Design for Research", focuses on any aspect of the production, structure, and properties of polymeric materials, with a particular emphasis on chemical/physical analytical characterization. A special topic is also core-shell particles with polymer-polymer or inorganic filler-polymer systems, which are employed as markers in order to enhance characterization. This Special Issue, which focuses on a field of science that is currently evolving rapidly, welcomes the submission of original work, as well as experimental studies and theoretical investigations are both encouraged. We also welcome full research papers, communications, and reviews that address the following themes: micro/nano plastics from synthetic polymers, synthesis routes for polymer micro/nano particles, the novel design of micro/nano particles, polymer-polymer core-shell particle, organic-inorganic core-shell particle, surface modification and the encapsulation of active agents, the labelling of polymer micro/nano particles, and characterization techniques for such particles.

Guest Editors

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Deadline for manuscript submissions

closed (30 September 2025)



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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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