

Special Issue

Advances in Polymer Composites for Water Treatment Applications

Message from the Guest Editors

This Special Issue focuses on recent advances in the development, characterization, and application of polymer composites for water treatment technologies. The scope includes both pure organic composites and organic/inorganic hybrids, with an emphasis on novel synthetic routes, the use of non-synthetic natural polymers, and the innovative application of these materials to target emerging contaminants. These materials are used in a variety of treatment processes, including membrane technology, adsorption, ion exchange, and coagulation/flocculation, demonstrating their enhanced performance and adaptability in tackling both conventional and more challenging pollutants. By exploring cutting-edge research and applications, this Special Issue aims to provide a comprehensive platform for the exchange of innovative ideas and findings in this field. We invite original research and review articles that highlight recent progress in the preparation, characterization, and application of polymer composites in water treatment, as well as studies on the integration of these materials into existing and emerging technologies.

Guest Editors

Dr. Jan O. Back

MCI—The Entrepreneurial School, Department of Environmental, Process & Energy Engineering, Maximilianstraße 2, 6020 Innsbruck, Austria

Dr. Michael Cordin

Research Institute of Textile Chemistry and Textile Physics, Universität Innsbruck, Höchsterstrasse 73, 6850 Dornbirn, Austria

Deadline for manuscript submissions

31 October 2025



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/217154

Polymers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
polymers@mdpi.com

[mdpi.com/journal/
polymers](https://mdpi.com/journal/polymers)





Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



[mdpi.com/journal/
polymers](https://mdpi.com/journal/polymers)



About the Journal

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

Lehrstuhl für Polymermaterialien und Polymertechnologie, University of Potsdam, 14476 Potsdam-Golm, Germany

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubMed, PMC, FSTA, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q1 (Polymer Science) / CiteScore - Q1 (General Chemistry)