

Special Issue

Advances in the Application of Polymeric Materials in Wastewater Treatment

Message from the Guest Editor

The rising global demand for clean water necessitates research into advanced materials with multifunctional capabilities. This Special Issue on “Advances in the Application of Polymeric Materials in Wastewater Treatment” provides an opportunity to showcase the innovative solutions and emerging technologies to meet SDG 6. Polymeric materials, owing to their tunable structures, chemical versatility, and cost-effectiveness, are critical components in addressing challenges across water purification and desalination. In water applications, innovations in polymeric membranes, hydrogels, and nanocomposites have led to significant improvements in contaminant removal efficiency, antifouling performance, and long-term operational stability. This Special Issue welcomes submissions addressing recent developments in the application of polymeric materials in water and wastewater treatment and emerging trends including the integration of smart polymers with nanoparticles and biomaterials to enhance properties, green synthesis, and multifunctionality.

Guest Editor

Prof. Dr. Achisa Mecha

Department of Environmental Science, University of Arizona, Tucson, AZ 85721, USA

Deadline for manuscript submissions

31 March 2026



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/253241

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 4.9.

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

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)