

Special Issue

Advances in Functional Polymers for Water/Wastewater Treatment Application

Message from the Guest Editor

The demand for advanced and sustainable water technologies has been growing due to water scarcity, pollution and stricter environmental regulations. Functional polymers emerged as a feasible solution due to their tunable structures, unique functional groups and diverse applications in water/wastewater treatment. Recent advancement in polymer synthesis has enabled significant improvements in contaminant removal, resource recovery and technical efficiency. This Special Issue will focus on recent advances in the development and application of functional polymers for water/wastewater treatment. Both researches and reviews are welcome in this Special Issue. Potential topics include:

- Design and synthesis of functional polymers;
- Polymers for contaminant removal and resource recovery;
- Bio-based and sustainable polymers for water/wastewater treatment;
- Polymeric membrane and hybrid systems for water/wastewater treatment;
- Process integration and scale up for applications of functional polymers for water/wastewater treatment;
- Techno economic and environmental assessment for applications of functional polymers for water/wastewater treatment;
- Advanced and emerging applications of functional polymer.

Guest Editor

Dr. Li Wan Yoon

School of Engineering and Technology, Sunway University, Jalan University, Bandar Sunway, Petaling Jaya 47500, Selangor, Malaysia

Deadline for manuscript submissions

31 August 2026



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/269745

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

Fraunhofer-Institut für Angewandte Polymerforschung, Lehrstuhl für Polymermaterialien und Polymertechnologie, Universität Potsdam, Geiselbergstraße 69, 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, CAPIus / SciFinder, Inspec, and other databases.

Journal Rank:

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