

Special Issue

High-Performance Functional Polymer Coatings

Message from the Guest Editors

Polymer coatings have become a popular candidate material for surface modification due to their advantages of good chemical stability, simple processing, and low cost. Modification of the polymer provides it with the functions of anti-fouling, corrosion resistance, and self-healing, making it suitable for numerous fields. In this Special Issue, emphasis will be placed on, but not limited to, the following topics:

- Polymer coating development;
- Polymer coating modification;
- Polymer coating characterization;
- Polymer coating properties;
- Polymer coating simulation;
- Application of polymer coatings.

Guest Editors

Dr. Yanli Wang

School of Chemistry and Chemical Engineering, Guangxi University,
Nanning 530004, China

Dr. Xiaohong Ji

Key Laboratory of Marine Environmental Corrosion and Bio-Fouling,
Institute of Oceanology, Chinese Academy of Sciences, Qingdao
266071, China

Deadline for manuscript submissions

closed (31 July 2025)



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/201141

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)