

Special Issue

Functional Self-Healing Polymers

Message from the Guest Editors

Self-healing materials are a class of smart materials that have a great deal of potential for advanced engineering systems. These systems can respond to environmental stimuli in a non-linear and productive way without the need for external intervention. Self-healing science and technology have expanded at a higher pace in the recent decade than in those before, resulting in the creation of new polymers, polymer blends, polymer composites, and hybrid materials with self-healing characteristics. Due to their unique qualities, self-healing materials are used in a variety of fields, including biomedical, electrical, aerospace, coatings, and more. The aim of this Special Issue is to provide readers with an up-to-date overview of recent progress in research on self-healing materials and devices.

Guest Editors

Dr. Nataša Z. Tomić

Advanced Materials Research Center, Technology Innovation Institute, Masdar City, Abu Dhabi, United Arab Emirates

Dr. Ana C. Marques

CERENA, Chemical Engineering Department, Instituto Superior Técnico (IST), Universidade de Lisboa, Lisboa, Portugal

Deadline for manuscript submissions

closed (30 April 2024)



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/114298

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)