

Special Issue

Self-Healing of Structural Composite Materials

Message from the Guest Editor

Nature-inspired self-healing strategies have been explored in biomimetic engineering designs, with the aim of restoring structural damages. In addition to the cracks on aircraft fuselage and nuclear power plant walls mentioned above, numerous structures require protection as human activities expand to such areas as submarine tunnels and spacecraft. In recent years, successful efforts have been made to develop and test a variety of self-healing materials, which are the focus of the current Special Issue. Here we discuss cutting-edge technologies in such materials and existing healing methods. This Special Issue highlights the advances and applications of novel self-healing on structural materials and their composites. We also welcome in-depth and comprehensive studies of the physico-chemical and mechanical foundations associated with this field.

Guest Editor

Dr. Min Wook Lee

Institute of Advanced Composite Materials, Korea Institute of Science and Technology (KIST), Chudong-ro 92, Bondong-eup, Wanju-gun, Jeollabuk-do 55324, Korea

Deadline for manuscript submissions

closed (30 November 2021)



Polymers

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



mdpi.com/si/45563

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)