

Special Issue

Advances in Biogenic and Biomimetic Materials: From Bionanomedicine to Environmental Applications and Beyond: 2nd Edition

Message from the Guest Editors

Nature has inspired people throughout history. Scientists have learned from nature and developed new models and strategies to overcome many issues related to environmental pollution, health problems, energy resources, etc. At present, biomimetics and bioinspiration are of particular interest to scientists. Moreover, living systems have been used as a source of inspiration or as raw matter from which to develop valuable materials that can be used in various applications, from bionanomedicine to the environment and beyond. This Special Issue invites authors to contribute original research articles and review papers related to biomimetics and bioinspiration in the biomedical field and their environmental applications.

Guest Editors

Dr. Marcela-Elisabeta Barbinta-Patrascu

Dr. Irina Negut

Dr. Bogdan Biță

Deadline for manuscript submissions

30 August 2026



Biomimetics

an Open Access Journal
by MDPI

Impact Factor 3.9
CiteScore 6.2
Indexed in PubMed



mdpi.com/si/242350

Biomimetics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biomimetics@mdpi.com

[mdpi.com/journal/
biomimetics](https://mdpi.com/journal/biomimetics)





Biomimetics

an Open Access Journal
by MDPI

Impact Factor 3.9
CiteScore 6.2
Indexed in PubMed



[mdpi.com/journal/
biomimetics](https://mdpi.com/journal/biomimetics)



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Stanislav N. Gorb

Department of Functional Morphology and Biomechanics, Zoological
Institute, Kiel University, 24118 Kiel, Germany

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed,
PMC, Ei Compendex, CAPlus / SciFinder, and other
databases.

Journal Rank:

JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q2
(Biomedical Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 17 days after
submission; acceptance to publication is undertaken in 3.8
days (median values for papers published in this journal in
the second half of 2025).