

Special Issue

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

Message from the Guest Editors

Nature has inspired people for a long time. Thus, scientists have learned from nature and developed new models and strategies to overcome many concerns related to environmental pollution, health problems, energy resources, etc. Nowadays, biomimetics and bioinspiration are in the spotlight for scientists. Moreover, living systems have been used as a source of inspiration or as a raw matter to develop valuable materials that can be used in various applications from bionanomedicine to the environment and beyond. This Special Issue kindly invites authors to contribute with original research articles and review papers related to biomimetics and bioinspiration applied in the biomedical field and environmental applications.

Guest Editors

Dr. Marcela-Elisabeta Barbinta-Patrascu

Dr. Irina Negut

Dr. Bogdan Biță

Deadline for manuscript submissions

30 April 2025



Biomimetics

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 3.5
Indexed in PubMed



mdpi.com/si/203718

Biomimetics
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 3.4
CiteScore 3.5
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, 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 20.3 days after
submission; acceptance to publication is undertaken in 2.9
days (median values for papers published in this journal in
the first half of 2024).