



an Open Access Journal by MDPI

Learning from Nature: Biomimetic and Bio-Inspired Materials and Structures

Guest Editor:

Dr. Hartmut Kutzke

Museum of Cultural History,
University of Oslo, Postboks 6762
St. Olavs plass, 0130 Oslo,
Norway

Deadline for manuscript
submissions:

closed (20 August 2024)

Message from the Guest Editor

Dear Colleagues,

Learning from nature refers to the concept of studying materials and structures that occur in the natural world and adapting them for use in technology, medicine, architecture, the conservation of cultural heritage, city planning, linguistics, organization and management, and many other fields. This Special Issue aims to showcase the broad range of applications of the biomimetic approach.

Studies of biological and other natural structures and materials are welcome, as well as case studies of their adaption and theoretical papers reflecting the concept of biomimetics. In this Special Issue, the term “biomimetics” is used in a wider sense, and papers covering topics such as “green chemistry”, biopolymers, bionics, etc., will also be considered for publication.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank: JCR - Q2 (Metallurgy and Metallurgical Engineering) / CiteScore - Q1 (Condensed Matter Physics)

Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/materials
materials@mdpi.com
[X@Materials_Mdpi](https://twitter.com/Materials_Mdpi)