

Special Issue

Bionanocomposites

Message from the Guest Editor

Bionanocomposites can be defined as a group of materials consisting of a biological component associated with another counterpart, which can be of diverse chemical nature, being either organic, including biomolecules, or inorganic. What defines *bionanocomposites* as a group is the idea of using biomolecules to integrate, i.e., make use of, their molecular recognition properties to direct assembly of functional structures and/or drive interactions with living systems. This is particularly relevant for solving problems in a biomedical context and is based on an interdisciplinary approach based on chemistry and supramolecular self-assembly, nanotechnology, and regenerative medicine. This Special Issue aims to illustrate the diversity of approaches, particularly in the choice of biomolecules and the nature of the associated counterpart—biomolecules, polymers, inorganic nanoparticles—defining bionanocomposites with their great modularity and offering an almost infinite number of accessible functions.

Guest Editor

Dr. Carole Aimé
CNRS, Department of Chemistry, Ecole Normale Supérieure de Paris,
Paris, France

Deadline for manuscript submissions

closed (30 April 2021)



Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



mdpi.com/si/58162

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

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





Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



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



About the Journal

Message from the Editorial Board

Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

Editors-in-Chief

Prof. Dr. Peter E. Nielsen

Department of Cellular and Molecular Medicine, Faculty of Health and Medical Sciences, University of Copenhagen, Blegdamsvej 3C, DK-2200 Copenhagen, Denmark

Prof. Dr. Lukasz Kurgan

Department of Computer Science, Virginia Commonwealth University, Richmond, VA 23284, USA

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, MEDLINE, PMC, Embase, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Biochemistry)