

Special Issue

Recent Advances in Natural Product Based Nanostructured Systems

Message from the Guest Editors

Nature is an incredibly rich source of chemical compounds, many of which can be used either to design new products or to replace non-sustainable materials in products and processes. Natural compounds are not only intrinsically sustainable but can also present superior biocompatibility, enhanced effectiveness and better safety. The use of these compounds in nanotechnology can be also inspired by their in situ role in the organisms from which they are derived. Indeed, many naturally occurring nanostructures, such as films, membranes, vesicles, and viruses, are based on biomolecules specially selected over millions of years of biological evolution for performing their function at the nanoscale. Moreover, many drugs and other bioactive compounds derived from natural sources can be loaded into nanosystems in order to achieve enhanced effectiveness and safety. Therefore, this Special Issue entitled "Recent Advances in Natural Product-Based Nanostructured Systems" is dedicated to collecting works on: 1) biomimetic and bioinspired nanostructures; 2) green nanotechnology; and 3) nanocarriers for bioactive compounds.

Guest Editors

Dr. Luís Alexandre Muehlmann

Faculty of Ceilândia, University of Brasília, Brasília 70910-900, DF, Brazil

Dr. João Paulo Longo

Laboratory of Nanobiotechnology, Institute of Biological Science, University of Brasília, Brasília 70910-900, Brazil

Deadline for manuscript submissions

closed (24 January 2025)



Pharmaceuticals

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 7.7
Indexed in PubMed



mdpi.com/si/138524

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

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





Pharmaceuticals

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 7.7
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

Because of your expertise in the field of drug sciences, I kindly invite you to consider publishing your current work, in the form of a research article or a review, in the open access electronic journal *Pharmaceuticals*.

Pharmaceuticals is characterized by an active editorial board and a dynamic editorial staff. Manuscripts are peer-reviewed and a final decision is provided to authors within 4–6 weeks after submission. Papers are published on the web immediately after acceptance. For details on the submission process or any other matter, please do not hesitate to contact us.

We hope to handle your contribution to *Pharmaceuticals* soon.

Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

Departamento de Química e Bioquímica (DQB) e Centro de Química Estrutural (CQE), Institute of Molecular Sciences, Faculdade de Ciências, Universidade de Lisboa, Lisboa, Portugal

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, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Pharmacology and Pharmacy) / CiteScore - Q1 (Pharmaceutical Science)