Special Issue

Nano-Biotechnology: Nanomaterials for Targeted Delivery

Message from the Guest Editors

We now have potential platforms for improving lives by introducing non-aggressive methods of therapy and reducing the side effects of medical agents. This has already begun through the targeted delivery of therapeutics and remote control of bioprocesses. Nanobiotechnology can develop materials with unique properties for this purpose such as a high level of penetration, high capacity for loading cargo and multi-functionality. There are some nanomaterials that are approved by the Food, Drug Administration (FDA) and European Medicines Agency (EMA), which are mostly biomimicking nanocarriers such as lipid and peptide nanoparticles but also some metal nanoparticles such as SPOIN, and nanocrystals such as paliperidone palmitate and dantrolene sodium have FDA and EMA approval. To discuss many open questions in this area, introduce the latest research and develop new ideas and directions, we will provide a Special Issue on Nanomaterials and Targeted delivery in Crystals, an open access journal.

Guest Editors

Dr. Fahimeh Charbgoo

DWI - Leibniz-Institute for Interactive Materials, Forckenbeckstraße 50, 52074 Aachen, Germany

Dr. Ionut Tudorancea

1. 1st Medical Department, "Grigore T. Popa" University of Medicine and Pharmacy, Iaşi, Romania
2. Cardiology Department, Emergency Clinical County Hospital, Iasi, Romania

Deadline for manuscript submissions

closed (25 February 2022)

Crystals

an Open Access Journal by MDPI

Impact Factor 2.4
CiteScore 5.0

mdpi.com/si/84818

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

mdpi.com/journal/crystals

Crystals

an Open Access Journal by MDPI

Impact Factor 2.4
CiteScore 5.0

mdpi.com/journal/crystals

About the Journal

Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

Editor-in-Chief

Prof. Dr. Alessandra Toncelli
Department of Physics, University of Pisa, 56126 Pisa, PI, Italy

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), Inspec, Ei Compendex, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Crystallography) / CiteScore - Q2 (Condensed Matter Physics)