



crystals



an Open Access Journal by MDPI

Multifunctional Materials and Structures

Guest Editors:

Prof. Dr. Munteanu Corneliu

Faculty of Mechanics,
Universitatea Tehnica "Gheoghe
Asachi" Iasi, 700050 Iasi, Romania

Dr. Bogdan Istrate

Faculty of Mechanics,
Universitatea Tehnica "Gheoghe
Asachi" Iasi, 700050 Iasi, Romania

Deadline for manuscript
submissions:

closed (10 January 2024)

Message from the Guest Editors

Dear Colleagues,

The aim of this Special Issue is to publish original scientific papers describing research work about designing the microstructure, mechanical analysis, corrosion resistance, in vitro and in vivo studies, coatings and material processes of all kinds of modern engineering materials. The development of advanced materials and structures including elaboration, properties, and applications has become one of the most important topics in recent years. This is a driving force in the development of new solutions, to find innovative synthesis and technological solutions, as well as understand the function-to-properties relationships, all of which may be reflected in your scientific contributions to this Special Issue. A special array of advanced materials and structures with specific properties has been developed in recent years, across a wide range of commercial, biomedical, and industrial applications. Going forward, research activities in this field will most certainly intensify. The design and synthesis of advanced materials and structures require a thorough understanding of fundamental phenomena in condensed matter, materials physics, and engineering mechanics.



mdpi.com/si/110586

Special Issue



crystals



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Alessandra Toncelli

Department of Physics, University
of Pisa, 56126 Pisa, PI, Italy

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.

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](#), [CAPus](#) / [SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Crystallography*) / CiteScore - Q2 (*Condensed Matter Physics*)

Contact Us

Crystals Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/crystals
crystals@mdpi.com
[X@Crystals_MDPI](https://twitter.com/Crystals_MDPI)