

Special Issue

Advances in Metamaterials

Message from the Guest Editors

Metamaterials are engineered materials/structures with novel characteristics that enable new material and device functionalities that cannot be achieved with conventional materials. The properties of metamaterials are defined by their assembled structures instead of their constituent elements. We can control the behaviors of metamaterials by the precise manipulation of the shape, geometry, size, orientation, material composition and distribution of their constituent elements. The investigation of metamaterials has progressed phenomenally in a wide variety of scientific areas, and various types of metamaterials have been achieved (electromagnetic, optical, elastic, acoustic, mechanical, thermal, etc.).

For this Special Issue, we invite all contributions related to the challenges in metamaterial research. The topics of the Special Issue include but are not limited to the concept, characterization, theory, simulation, structure design, fabrication, testing, optimization, application exploration and market analysis of metamaterials. Papers in the form of short communications, reviews and research articles are all welcomed for submission to this Special Issue.

Guest Editors

Dr. Han Meng

Dr. Hamdi Torun

Dr. Yanyu Chen

Prof. Dr. Dimitrios Chronopoulos

Deadline for manuscript submissions

closed (10 April 2022)



Crystals

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 5.0



mdpi.com/si/98695

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

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





Crystals

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 5.0



[mdpi.com/journal/
crystals](https://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, CAPus / SciFinder, and other databases.

Journal Rank:

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