

Special Issue

Graphene-Based Nanocomposites and Manufacturing

Message from the Guest Editors

Over the last decade, the development of graphene-based nanocomposites has been greatly evolved by rapidly developing material science and manufacturing techniques. The very dynamic scientific efforts and advancement in this field encouraged us to introduce this Special Issue on the different aspects of graphene/graphene nanocomposites from materials development, and manufacturing to applications demonstration with main focus, but not exclusively, on the following topics:

- Graphene nanocomposites in sensing, EMI shielding, heat dissipation and energy management;
- Graphene nanocomposites with different host matrices;
- Graphene-based porous structures, films, membranes and coatings;
- Biomedical applications of graphene-based structures;
- Novel characterization technologies of graphene and graphene-based nanocomposites;
- Manufacturing of graphene and graphene-based nanocomposites;
- Scalable transferring technologies of graphene/2D materials.

Guest Editors

Dr. Mahdi Hamidi

Dr. Changhong Cao

Dr. Guorui Wang

Deadline for manuscript submissions

closed (10 November 2020)



Crystals

an Open Access Journal
by MDPI

Impact Factor 2.4
CiteScore 5.0



mdpi.com/si/49687

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)