

## Special Issue

# Synthesis and Characterization of Oxide Nanoparticles

### Message from the Guest Editors

This Special Issue will focus on the fundamental and applied aspects of oxide nanoparticles, with a specific emphasis on synthesis and characterization techniques. The development of novel and sustainable methods for synthesizing oxide nanoparticles with a controlled size, morphology, composition, and surface properties turns out to be important for their potential applications in various fields, such as catalysis, energy conversion and storage (batteries, solar cells), environmental remediation, biomedicine and drug delivery, sensors, electronics, and optoelectronics. By focusing on both fundamental and applied research, this journal aims to bridge the gap between synthesis, characterization, and the development of novel functional oxide nanomaterials.

---

### Guest Editors

Prof. Dr. Adriana-Gabriela Schiopu

Faculty of Mechanics and Technology, National University of Science and Technology POLITEHNICA Bucharest–Pitești University Centre, Targu din Vale, Pitesti, Romania

Dr. Laura Madalina Cursaru

Advanced and Nanostructured Materials Laboratory, National R&D Institute for Non-Ferrous and Rare Metals, 102 Biruintei Bv., 077145 Pantelimon, Romania

---

### Deadline for manuscript submissions

closed (15 September 2025)



## Crystals

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.4  
CiteScore 5.0



[mdpi.com/si/211286](https://mdpi.com/si/211286)

*Crystals*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[crystals@mdpi.com](mailto: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, CAPlus / SciFinder, and other databases.

#### Journal Rank:

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