

## Special Issue

# Structure and Properties of Ceramic Materials

### Message from the Guest Editors

Crystals is a peer-reviewed, open access journal that publishes research spanning various aspects of the physicochemical and optical properties of crystals. It actively supports innovative investigations in the areas of optics and luminescence of ceramics materials. This Special Issue focuses on the magneto-optical properties, luminescence, and energy conversion of novel ceramics materials. The emphasis is on pioneering scientific studies that explore the relationships between processing techniques, microstructure, chemical composition, and the properties of crystals grown through different melting and growth methods.

Manuscripts submitted to this issue must provide a comprehensive description of the microstructure, along with a description of structural and spectroscopic results and the influence of synthesis and sintering or the melting procedure. The issue includes standard sections such as research papers, review articles, and perspectives, welcoming both experimental and theoretical contributions. Additionally, it features news, viewpoints, and research highlights that showcase the latest scientific advancements in ceramic materials research.

---

### Guest Editors

Dr. Andrzej Kruk

Institute of Technology, University of the National Education  
Commission, ul. Podchorążych 2, 30-084 Kraków, Poland

Dr. Dorota Sitko

Faculty of Exact & Natural Sciences, Pedagogical University, ul.  
Podchorążych 2, 30-084 Krakow, Poland

---

### Deadline for manuscript submissions

30 September 2025



## Crystals

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.4  
CiteScore 5.0



[mdpi.com/si/218420](https://mdpi.com/si/218420)

*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, CAPus / SciFinder, and other databases.

#### Journal Rank:

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