

# Special Issue

## Intermetallics

### Message from the Guest Editor

This Special Issue aims to promote international exchange and to share the latest knowledge and developments in all fundamental aspects of intermetallic-based materials encompassing characterization, testing, modelling and technological application. Emphasis is placed on innovative approaches and advanced overviews to understand complex relationship between the structure and functionality of new materials with improved properties. Of specific interest are the modelling methodologies in all scales based on first-principles, linking theoretical understanding with experimental observations. The topics include, but are not limited to, the thermodynamic, defect, magnetic, and mechanical properties of complex intermetallics including high-entropy alloys used for structural applications, *etc.*

---

### Guest Editor

Dr. Duc Nguyen-Manh

Materials Division, Culham Centre for Fusion Energy, United Kingdom  
Atomic Energy Authority, Abingdon OX14 3DB, UK

---

### Deadline for manuscript submissions

closed (30 November 2015)



## Crystals

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.4  
CiteScore 5.0



[mdpi.com/si/4461](https://mdpi.com/si/4461)

*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)