



## Advanced Electronic Materials and Devices

Guest Editors:

**Prof. Dr. Dawei Wang**

School of Instrumentation  
Science and Engineering, Harbin  
Institute of Technology, Harbin  
150080, China

**Dr. Raz Muhammad**

Department of Physics, Garden  
Campus, Abdul Wali Khan  
University Mardan, Mardan  
23200, KP, Pakistan

**Prof. Dr. Fayaz Hussain**

Department of Materials  
Engineering, NED University of  
Engineering&Technology,  
Karachi, Pakistan

Deadline for manuscript  
submissions:

**closed (31 March 2023)**

### Message from the Guest Editors

Dear Colleagues,

The global market of advanced electronic materials and devices has grown significantly over the past few decades. They have unique characteristics, and almost all devices contain dozens of components made of these materials. Their applications include integrated circuits, microwave communication, packaging materials, energy storage, energy generation and optoelectronics, among others. The performance of these materials is controlled using the knowledge of the processing–structure–microstructure–property relationship. The dopant used in pristine can modify the band structure.

To promote developments in electronic materials and devices and solve current and future challenges, this Special Issue, “Advanced Electronic Materials and Devices”, is launched. This Special Issue will focus on the synthesis procedures, crystal structures, and functional properties of inorganic substances, and will help to promote science related to electronic materials. Therefore, we welcome original research and peer review manuscripts (both experimental and theoretical concepts).





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Alessandra Toncelli

Department of Physics, University  
of Pisa, 56126 Pisa, Italy

## 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.

## 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](#), [CAPus / SciFinder](#), and [other databases](#).

**Journal Rank:** JCR - Q2 (*Crystallography*) / CiteScore - Q2 (*Condensed Matter Physics*)

## Contact Us

---

*Crystals* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/crystals](http://mdpi.com/journal/crystals)  
[crystals@mdpi.com](mailto:crystals@mdpi.com)  
[X@Crystals\\_MDPI](#)