Special Issue

Perovskites: Crystal Structure, Properties and Applications

Message from the Guest Editors

Perovskite materials have attracted significant attention due to their unique crystal structures and remarkable properties, offering broad applications in areas such as photovoltaics, optoelectronics, catalysis, and energy storage. This Special Issue, "Perovskites: Crystal Structure, Properties and Applications," aims to provide a comprehensive overview of recent advances in the synthesis, structural analysis, and application of perovskite materials. We welcome contributions focusing on novel synthesis techniques, characterization methods, and innovative applications of perovskites. Topics of interest include, but are not limited to: Structural, electrical, and optical properties of perovskites Advanced characterization techniques Stability and performance optimization Applications in energy storage, solar cells, sensors, and electronics Computational modeling and machine learning approaches in perovskite research We invite researchers and practitioners to submit original research articles, reviews, and case studies to contribute to this Special Issue. We look forward to your valuable contributions.

Guest Editors

Dr. Kais Iben Nassar

Dr. Ben Salem Imen

Dr. Manuel Pedro Fernandes Graça

Deadline for manuscript submissions

10 February 2026

Crystals

an Open Access Journal by MDPI

Impact Factor 2.4
CiteScore 5.0

mdpi.com/si/249939

Crystals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
crystals@mdpi.com

mdpi.com/journal/crystals

Crystals

an Open Access Journal by MDPI

Impact Factor 2.4
CiteScore 5.0

mdpi.com/journal/crystals

MDPI

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)