

## 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.

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### Guest Editors

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### Deadline for manuscript submissions

20 May 2025



## Crystals

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## 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.

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### Editor-in-Chief

Prof. Dr. Alessandra Toncelli

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