

## Special Issue

# Progress in Metal Oxide Science: From Structural Design to Application

### Message from the Guest Editors

Metal oxides continue to play a pivotal role in the field of materials science and nanotechnology, contributing significantly to various aspects of modern life. With research progressing from the nano- to the microscale, these materials have demonstrated remarkable physical, chemical, optical, and electronic properties, enabling their use in a wide range of targeted applications. In this regard, this Special Issue focuses on recent advancements in metal oxides, focusing on synthesis methods, structure–property relationships, material characterization, novel applications or enhanced performance, and surface engineering or doping strategies. We invite research works that highlight the evolving potential of metal oxides across disciplines. Your contributions will help advance understanding and foster new directions in this exciting field.

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 March 2026)



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

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