

## Special Issue

# Advanced Ferroelectric, Piezoelectric and Dielectric Ceramics

### Message from the Guest Editor

Ceramic materials possess unique electrical and mechanical properties, making them appealing for various applications like electronics, sensors, actuators, energy storage, and communication devices. This Special Issue focuses on recent advancements and upcoming developments in the synthesis, characterization, and application of advanced ferroelectric, piezoelectric, and dielectric ceramics, with potentially far-reaching impacts. The issue will cover novel synthesis methods, fundamental principles underlying ceramic behavior, structure–property relationships through characterization techniques, exploration of advanced functional ceramics, and applications in energy harvesting, sensing, actuation, data storage, and electronics. We encourage diverse contributions, including reviews, full papers, communications, and technical notes, shedding light on advanced ferroelectric, piezoelectric, and dielectric ceramics, aiming to provide insights and shape future research directions.

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### Guest Editor

Dr. Zhonghua Yao

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### Deadline for manuscript submissions

closed (14 September 2024)



## 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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