

## Special Issue

# Pressure-Induced Phase Transformations (Third Edition)

### Message from the Guest Editors

The study of phase transitions in solids under high pressure and high temperatures is a very active research field. Over the last few decades, thanks to the development of experimental techniques and computer simulations, there has been a plethora of important discoveries. Many of the achievements made in recent years affect various research fields, including solid-state physics, chemistry, materials science, and geophysics.

This Special Issue on “Pressure-Induced Phase Transformations (Third Edition)” aims to provide a forum used for describing and discussing contemporary achievements. The goal is to give special emphasis to phase transitions and their effects on different physical properties, but other topics in special melting studies are not excluded. Authors are invited to contribute to the Special Issue with articles presenting new experimental and theoretical advances. Contributions discussing the relationships of phase transformations in solids under high pressure, the mechanism of these transformations, and their influence on physical and chemical properties are welcome.

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### Guest Editors

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### Deadline for manuscript submissions

closed (25 January 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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