

## Special Issue

# Elasticity of Crystalline Materials

### Message from the Guest Editors

In modern technologies and modern mechanics, an important place is occupied by the creation of new materials and alloys, a variety of crystalline structures from materials with a nano- and micro-scale structure, composite materials filled with nano- and micro-objects, and so on. Such materials have unique mechanical properties. Their extraordinary mechanical properties have a strong influence on their physical characteristics. The development and use of new crystalline materials in the structural elements and parts of various devices is impossible without a detailed study of their mechanical properties, which, in turn, requires experimental research, the development of mechanical models, and analytical and numerical methods for calculating (modeling) the behavior of the materials, taking into account their structural features.

This Special Issue of *Crystals* is expected to provide a platform to report results on the elasticity of crystalline materials, relationship between elastic characteristics and crystal structure, and elastic waves.

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### Guest Editors

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### Deadline for manuscript submissions

closed (22 August 2021)



## Crystals

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CiteScore 5.0



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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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