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Elasticity and Micro- and Macro- Plasticity of Crystals

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Deadline for manuscript
submissions:

closed (1 November 2019)

Message from the Guest Editors

We invite researchers to submit papers to this Special Issue “Elasticity and Micro- and Macro-Plasticity” of Crystals. Articles on a wide range of studies of elastic and plastic properties of crystalline materials will be collected, as well as variations of these properties under various impacts.

- single crystals mechanical properties: insulators, semiconductors, metals, and alloys
- elastic and non-elastic properties of single crystals
- microplasticity
- electric and magnetic field effect on plasticity and strength of crystals
- polycrystals: defects and plasticity
- nanocrystals plasticity
- low and high temperature plasticity
- superelasticity and shape memory deformation
- ferroelasticity



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Special Issue



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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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