Special Issue

Solidification and Crystallization of Inorganic Materials

Message from the Guest Editors

Crystallization and solidification are of vital importance for controlling the quality of final products. We have established this Special Issue, “Solidification and Crystallization of Inorganic Materials”, to present cutting-edge research that explores the nucleation, growth, and perfection of inorganic crystalline materials, as well as the impact of these processes on material properties. Potential topics include, but are not limited, to the following:

- Nucleation mechanisms: insights into the initial stages of crystal formation, including the role of impurities, temperature gradients, and supersaturation in nucleation kinetics.
- Crystal growth dynamics: studies on the growth rates, habit modifications, and defect incorporation during the crystallization process, as well as the influence of external fields and interfaces.
- Crystal structure determination: advances in the characterization of crystal structures.
- Material properties and applications: correlations between crystallographic features and material properties, with a focus on how crystallization pathways can be tailored for specific applications.

Guest Editors

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Deadline for manuscript submissions

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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.

Editor-in-Chief

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