

Special Issue

Synthesis and Structural Investigations of Polymorphic Compounds

Message from the Guest Editors

Of interest are inorganic compounds, intermetallic phases, materials, minerals, and pharmaceuticals. Topics include, but are not limited to:

- In situ synthesis of new compounds and modifications
- High-pressure high-temperature synthesis of metastable materials
- Structure and property characterization at extreme conditions, such as pressure, strain, or temperature.
- Advances in the development of probe heads for the fast in situ detection of phase formation
- Characterization of polymorphs forming at high-pressure, high-temperature or a combination thereof. Properties under harsh environments, such as corrosive, erosive, high temperature, high pressure, vacuum, low pO_2 , hard radiation (gamma or neutron), etc.
- Pressure temperature phase diagrams and their modeling

Guest Editors

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Deadline for manuscript submissions

closed (30 April 2018)



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.

Editor-in-Chief

Prof. Dr. Alessandra Toncelli

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