

## Special Issue

# Recent Achievements in Crystal Growth

### Message from the Guest Editors

Crystalline materials have unique physical and chemical properties which led the fabrication of these materials to unique and controlled size, shape, chemical composition, surface structure and charge, aggregation, and solubility. Numerous efforts have been made worldwide for the synthesis and characterization of crystalline materials for their diverse applications. Among characterization tools for crystalline materials, scanning electron microscopy (SEM), transmission electron microscopy (TEM), atomic-force microscopy (AFM), magnetic force microscopes (MFMs), scanning tunneling microscopes (STMs), X-ray diffraction (XRD), photoluminescence, and Raman spectroscopy are considered to be of importance for characterizing the properties of crystalline materials.

The purpose of this Special Issue is to publish high-quality research articles as well as review articles addressing the state-of-the-art knowledge of current cutting-edge approaches on works related to crystalline materials focused on their growth, characterization, and potential applications.

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### Guest Editors

Dr. Faheem Ahmed

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Dr. Shalendra Kumar

Dr. Nagih Shaalan

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### Deadline for manuscript submissions

closed (30 December 2022)



## 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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