

Special Issue

Synthesis, Characterization, and Properties of Nanomaterials

Message from the Guest Editor

Nanomaterials have remarkably different physical and chemical properties from their bulk counterparts with the same constituents and have potential applications in various fields. Many different techniques have been employed to synthesize nanomaterials, including chemical vapor deposition, thermal decomposition, induction plasma synthesis, pulsed laser ablation, the template technique, the gas phase method, the sol-gel method, the combustion method, solvothermal synthesis, and hydrothermal synthesis. Several characterization techniques are widely used to investigate the properties of nanomaterials, including transmission electron microscopy, dynamic light scattering, zeta potential, atomic absorption spectroscopy, inductively coupled plasma mass spectroscopy, dark field microscopy, aerodynamic particle sizer, scanning mobility particle sizer, and matrix-assisted laser desorption/ionization mass spectrometry. Besides these, advanced optical spectroscopic methods have been used to investigate different semiconductor structures. This Special Issue aims to present a collection of the most recent research outcomes in the field of nanomaterials.

Guest Editor

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Deadline for manuscript submissions

closed (30 September 2022)



Crystals

an Open Access Journal
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Impact Factor 2.4
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.

Editor-in-Chief

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