Special Issue

Widespread Application of Advanced Nanomaterials

Message from the Guest Editors

Recently, nanomaterials have witnessed unprecedented growth, driven by advances in synthesis, characterization, and application strategies across diverse scientific and engineering domains. Owing to their unique physical, chemical, and structural properties, advanced nanomaterials are becoming indispensable in the development of next-generation technologies. This Special Issue aims to provide a platform for the latest developments, emerging trends, and innovative applications of advanced nanomaterials. We particularly welcome high-quality contributions that focus on multidisciplinary and real-world applications, as well as fundamental studies that deepen the understanding of structure–property relationships at the nanoscale. Research on Nanomaterials includes (but is not limited to):

- Energy conversion and storage
- Environmental remediation
- Nanocomposites for structural and functional applications
- Smart nanomaterials with stimuli-responsive behavior
- Electronics, photonics, and optoelectronics
- Sustainable and green synthesis
- Computational and AI-assisted design of nanostructures
- Advances in characterization techniques

Guest Editors

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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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