

## Special Issue

# Two-Dimensional Materials and Their Heterostructures

### Message from the Guest Editors

At the heart of this Special Issue lies the exploration of synthesis methods, characterization techniques, and theoretical models aimed at unraveling the unique properties and behaviors of 2D materials. One of the key highlights of this Special Issue is the concept of heterostructures, where different 2D materials are stacked together to create new functionalities and properties not present in the individual components alone. This approach opens exciting avenues for engineering bespoke devices with tailored properties, offering unprecedented opportunities in electronics, optoelectronics, photonics, and beyond.

As the field of 2D materials and heterostructures continues to evolve rapidly, this Special Issue serves as a comprehensive resource, offering insights into the latest advancements, future directions, and potential applications. It emphasizes the transformative impact these materials are poised to have across a wide range of industries and underscores the need for continued exploration and collaboration to unlock their full potential.

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### Guest Editors

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### Deadline for manuscript submissions

closed (10 January 2025)



## 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

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