Special Issue

Advances in Diamond Crystals and Devices

Message from the Guest Editors

Diamond, with its extraordinary properties, has been the focus of intense research and development in recent years. Significant progress has been made in synthesis methods, size, doping, and other aspects of diamond materials. On this basis, diamond devices have made breakthroughs in applications such as microwave power, radiation detection, electrochemical processing, ultraviolet imaging, and so on. In addition, diamond materials and devices are increasingly applied in emerging fields such as quantum sensing for ultra-precise measurements, high-power microwave technology for advanced communication, and fluorescent nanodiamond-enabled biomedical imaging and drug delivery. This Special Issue aims to showcase the latest research and innovation in these frontier technologies related to diamond materials and devices. It will provide a platform for researchers, engineers, and industry professionals to exchange ideas and insights, driving the further development and application of diamond in diverse fields and paving the way for future technological breakthroughs.

Guest Editors

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Deadline for manuscript submissions

closed (20 August 2025)

Crystals

an Open Access Journal by MDPI

Impact Factor 2.4
CiteScore 5.0

mdpi.com/si/227091

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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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