Special Issue

Nanoelectronics and Bioelectronics

Message from the Guest Editors

Nanoelectronics lies at the intersection of nanotechnology and electronics, focusing on the development of devices at nanoscale. Contrary to their macroscopic counterparts, these devices exhibit unique properties with unprecedented functionality and performance. Advanced functional nanomaterials in their crystalline state are pivotal in the fabrication of cutting-edge nanoelectronic devices, which hold immense potential across various sectors, notably in computing, optics, biomedical and environmental sciences. For instance, recent breakthroughs in nanoscale biomedical devices have revolutionized disease diagnosis and treatment, significantly impacting lives.

This special issue focuses on research efforts in nanoelectronics including nanomaterials systhesis, device design, fabrication techniques and characterization methods, driving innovation towards practical applications in the realm of biotechnology, biomedicine and healthcare. We encourage the industrial and academic scientists to submit their experimental and theoretical results in the form of original articles, review papers, and short communications.

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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