

Special Issue

Nanomaterials for Potential Applications

Message from the Guest Editors

Nanotechnology and new nanomaterials have an enormous impact on modern science, technology, and everyday life. The term “nanomaterial” refers to a single material with multiple applications in different fields. Novel/modified synthetic approaches (physical, chemical, and biological) can be used for the synthesis of these materials, including inorganic, organic, and hybrid nanocomposites, to achieve a precise control over their physico-chemical properties. To date, nanoscale technologies are actively studied and applied to solve the most pressing global challenges, from human health to environmental problems. Nanomaterials and nanostructures have various applications in biomedicine, bioanalysis and biodiagnostic, forensic, agriculture, environmental protection, water treatment, food industries, textile industries, sensors, electronics, and communication. In this context, the aim of this Special Issue is to publish original research papers and comprehensive reviews which deal with the most important issues concerning the synthesis, investigation of the advanced properties, and potential applications of different nanomaterials.

Guest Editors

Dr. Mohamed A. Tphoon

1. Department of Chemistry, College of Science, King Khalid University, P.O. Box 9004, Abha 61413, Saudi Arabia
2. Chemistry Department, Faculty of Science, Mansoura University, Mansoura 35516, Egypt

Dr. Abdelfattah Amari

1. Department of Chemical Engineering, College of Engineering, King Khalid University, Abha 61411, Saudi Arabia
2. Research Laboratory of Processes, Energetics, Environment and Electrical Systems, National School of Engineers, Gabes University, Gabes 6072, Tunisia

Deadline for manuscript submissions

closed (20 April 2024)



Crystals

an Open Access Journal
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Impact Factor 2.4
CiteScore 5.0



mdpi.com/si/157308

Crystals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
crystals@mdpi.com

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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

Prof. Dr. Alessandra Toncelli
Department of Physics, University of Pisa, 56126 Pisa, PI, Italy

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