Special Issue

Advances in Green Nanocomposites: Design, Characterization and Applications

Message from the Guest Editors

In recent years, nanoscience and nanotechnologies have been emerging as new opportunities for designing materials with improved properties. This Special Issue aims to collect manuscripts dealing with novel approaches to the design, fabrication, characterization and modelling of bio-nanocomposites by focusing either on the fabrication of novel highly performant bio-nanocomposites or the application and development of different manufacturing methodologies.

Potential topics include, but are not limited to, the following:

Production and characterization of novel polymeric, ceramic, metallic and hybrid nanocomposites;
Synthesis and characterization of nanocomposites and bio-nanocomposites;
Advanced manufacturing techniques of nanocomposites;
Production of nanofibrous systems;
Surface functionalization of nanomaterials;
Modification of nanoclay and nanocellulose;
Modelling of nanocomposite materials;
Applications of nanocomposites.

Original research articles, reviews, letters to the editor, and short communications are welcome.

Guest Editors

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Deadline for manuscript submissions

closed (20 March 2024)

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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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