

## Special Issue

# Wet Chemical Synthesis of Functional Materials for Biomedical Applications

### Message from the Guest Editors

Functional materials, which manifest in the forms of nanostructures, composites and hybrids, have shown great potential for use in biomedical applications. Over the years, various wet chemical methods, such as solvothermal synthesis, template synthesis, sonochemical synthesis, seeded growth, self-assembly, oriented attachment, and surfactant-mediated synthesis, have been developed in order to synthesize such a varied array of functional materials. Through wet chemical synthesis, it is possible to achieve selective surface structures, phases, shapes, and sizes of high-quality crystalline materials, a process that can lead to a set of desired properties being attained. Wet chemical synthesis routes allow for fine-tuning of the reaction conditions (temperature, time, concentration of substrate, additives or surfactants, pH, etc.) to achieve the desired performances. This Special Issue aims to address the recent developments in biomedical applications of functional materials prepared by different wet chemical methods. We invite you to submit your recent research articles or reviews that cover the state of the art and promote future trends in this field.

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### Guest Editors

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### Deadline for manuscript submissions

closed (20 August 2024)



## 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

Prof. Dr. Alessandra Toncelli  
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