

## Special Issue

# Green Approach in Synthesis of Bio-Inspired Materials (Second Edition)

### Message from the Guest Editors

Topics of interest for this Special Issue include studies on biomineralization/pathological biomineralization and the synthesis of bioinspired materials.

Biomineralization refers to the processes by which organisms deposit a mineral phase, which is usually indicated as biomineral, under mild chemical conditions, in an aqueous medium and at ambient temperatures. It is known that organisms have considerable control over the formation of biominerals and that the resulting organic–inorganic hybrid materials (biominerals) have remarkable physical–chemical or mechanical properties.

The goal of this Special Issue is also to promote the current trend of “green chemistry”. Papers related to the green approach on the following topics, as well as to the keywords listed below, are welcomed:

The synthesis and characterization of biominerals as well as the investigation of biomineralization/pathological biomineralization mechanisms; Bio-inspired synthesis of materials.

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### Guest Editors

Dr. Jasminka Kontrec

Dr. Anamarija Stanković

Dr. Martina Medvidović-Kosanović

Dr. Branka Njegić Džakula

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### Deadline for manuscript submissions

closed (5 April 2025)



## 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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