

## Special Issue

# Advances in New Functional Biomaterials for Medical Applications

### Message from the Guest Editors

Biomaterials and devices have been used in healthcare applications since ancient times and significant improvements are being made on a daily basis, resulting in millions of lives being saved, and the quality of life improved for millions more. The aim of this Special Issue is to present the latest experimental and theoretical achievements in the use of biomaterials in contemporary healthcare and the process of developing novel biomaterials. All advances in new functional biomaterials for medical applications and research, and progress on metallic biomaterials (titanium alloys, cobalt alloys, magnesium alloys, and stainless-steel alloys) are welcome to be published and shared, but not limited to natural and synthetic polymers and bio-inert and bioactive ceramics.

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: Synthesis, characterization, and applications of new biomaterials, tissue engineering, etc.; Mechanical coating/alloying/treatment of metallic and non-metallic materials.

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### Guest Editors

Dr. Madalina Simona Baltatu

Prof. Dr. Petrica Vizureanu

Dr. Andrei Victor Sandu

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### Deadline for manuscript submissions

closed (20 November 2023)



## 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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