

## Special Issue

# Recent Advances and Perspectives in Mineralization for Biomedicine

### Message from the Guest Editor

Mineralization has emerged as a promising strategy toward improving the properties of biomaterials. The core of mineralization is the nucleation of a respective mineral phase from corresponding solute species or amorphous phases under suitable chemical, thermodynamic, and kinetic conditions, leading to the formation of crystalline materials eventually. Recently, excellent results have been achieved in the field of mineralization for biomedical applications, indicating the importance of a multidisciplinary approach toward the understanding of the formation of mineralized composite structures with embedded versatile functionalities, from antibacterial to osteogenic, favorably under green, mild, and near-physiological conditions. This Special Issue intends to serve as a platform for exchanging recent achievements in the field and fostering collaboration and joint future endeavors in the biomedical field. Besides the well-known biologically relevant minerals, e.g., calcium phosphates and calcium carbonates, the scope of the Special Issue also embraces contributions related to organic–inorganic materials, iron oxyhydroxides, silicates, gold, and other bio-inspired systems.

### Guest Editor

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## Biomolecules

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### Message from the Editorial Board

*Biomolecules* is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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