

## Special Issue

# The Crystal Structure and Characteristics of Enzymes

### Message from the Guest Editors

Enzymes are the molecular workhorses of life, orchestrating countless biochemical reactions within cells. Understanding their structure and unique characteristics is essential for unravelling the intricate mechanisms that govern biological processes. Delving into the world of enzymes, this Special Issue embarks on a journey to explore the enigmatic intricacies hidden within the structure. The structure provides windows into the heart of enzymatic activity, revealing the precise arrangement of amino acids and cofactors that allow enzymes to carry out their functions. By uncovering these structural secrets, researchers gain a deeper comprehension of how enzymes interact with substrates, how they facilitate reactions, and how they can be manipulated for various applications. In this Special Issue, we embrace the fascinating world of enzymes, a world where these tiny but mighty structures orchestrate the symphony of life. With a deep understanding of enzymes and their structures, we can unlock the doors to unprecedented opportunities in science and technology, ultimately leading to innovations that can revolutionize various fields and improve the quality of life for all.

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### Guest Editors

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## 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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