

Special Issue

Protein Structure–Function Relationships

Message from the Guest Editor

Proteins, the workhorses of the cell, essentially participate in all aspects of living systems. These biopolymers have always been the prime focus of extensive research, aiming to elucidate structure–function relationships. Proteins have a wide range of functions, including signal transduction, ion and nutrient transport, and various other essential processes required for the functioning of biological systems. Understanding the structure–function relationships of proteins is a hot topic, holding great importance in structural biology. The study of the impact of protein mutation, protein interaction with other proteins, and the binding of ligands on protein structure dynamics and function will help provide valuable insight. Besides, structural features are widely exploited in designing and developing small-molecule inhibitors targeting the therapeutic management of various life-threatening diseases. This Issue aims to invite articles focusing on structure–function relationships, drug discovery, evolutionary insights, and structural genomics using combined in silico and experimental methods.

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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