

Special Issue

Protein Structure and Function in Microorganisms

Message from the Guest Editor

Dear colleague,

Microorganisms comprise a large community, consisting of species considered pathogenic to humans, animals and plants, or even beneficial species that interact with other organisms and being utilized as useful bioresources. Therefore, proteins and enzymes from microorganisms are attractive targets for the study of structural and functional relationship.

This special issue "Protein structure and function in microorganisms" gathering original research and review articles aims to present a tribute to broad range advanced structural studies via X-ray, NMR, Cryo-EM, molecular simulation and biophysical methods, or their synergetic combination for understanding protein structural-functional relationships in their very broad context. The topics would be listed below but not limited, such as proteins in cell division or cell cycle, proteins in infectious or defense systems, enzymes for post-translational modifications, enzymes involved in natural product biosynthesis, proteins from extremophiles, druggable protein targets, metabolic enzymes, industrial and food processing enzymes, plastic and pollutant degrading enzymes, as well as diagnostic and therapeutic proteins.

Guest Editor

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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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