

Special Issue

Structure, Function, Diversity and Evolution of Archaeal Proteins

Message from the Guest Editor

Archaea represent the third domain of life and include very different groups of microorganisms that combine bacterial and eukaryotic characteristics, as well as properties unique only to archaea. The purpose of this Special Issue is to highlight the biological functions and structural features of archaeal proteins. Since many archaea are extremophiles, their proteins are responsible for adaptation to harsh environmental conditions and are characterized by increased stability. Understanding the mechanisms of protein adaptations used by archaeal extremophiles will help in the use of such proteins for industrial, environmental, and biotechnological applications capable of functioning under extreme conditions. This Special Issue will collect articles on the structure and function of various archaeal protein molecules, the mechanisms of their functioning and assembly, their evolution, as well as their biotechnological applications. Experimental work using methods of molecular biology and genetics, bioinformatics, and computational methods, as well as review articles on the diversity and function of archaeal biomolecules, are welcome.

Guest Editor

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Message from the Editor-in-Chief

Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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