

Special Issue

Physiology and Enzymology of Hyper/Thermophiles

Message from the Guest Editor

Hyper/thermophiles have been isolated from various geothermal environments, including hot springs, volcanic areas, and deep-sea thermal vents. Many different types of hyper/thermophiles, such as heterotrophs, autotrophs, aerobes, and anaerobes, have been characterized, showing their diverse metabolic capabilities and physiological properties. Their remarkable features are high-temperature-dependent growth and heat-resistant macromolecules, especially for thermostable enzymes. Great progress has been made in understanding how proteins of hyper/thermophiles are stabilized, as well as in identifying their catalytic mechanisms and functions at high temperatures. Many thermostable enzymes from hyper/thermophiles have also been used in biotechnological applications. This Special Issue is dedicated to the topic of “Physiology and Enzymology of Hyper/thermophiles.”

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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