Special Issue

Bacterial Engineering and Metabolism Regulation

Message from the Guest Editors

Bacteria are the most widely distributed living organisms on the planet with various and complex metabolic mechanisms which play vital roles in the environment, human health, food, industry, and many other areas. Various techniques have been developed for the regulation of the bacterial metabolism and the exploration of its mechanism, including transcriptomic methods, proteomics, metabolomics, adaptive evolution, gene editing, and so on. The aim of this Special Issue of Microorganisms is to present a collection of articles related to regulation of the bacterial metabolism and bacterial engineering (both basic and applied research). As a of this Special Issue, I invite you to submit research articles, review articles, and short communications. The topics of interest for this Special Issue include, but are not limited to, the following: bacteria metabolic engineering, bacteria regulation mechanisms, transcription factor, gene editing, strain construction and optimization, the production of high-value compounds, and new methods or techniques for bacteria engineering and regulation exploration.

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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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