Special Issue

The Bacteriostatic Effect and Mechanism of Microbial Secondary Metabolites

Message from the Guest Editor

Microbial secondary metabolites, which are characterized as being of a wide variety, structural diversity and broad-spectrum activity, can profoundly affect microbial physiology, metabolism and stress responses and have been widely used in agriculture. Seeking out microbial secondary metabolites with a broader antibacterial activity and elucidating their action mechanisms at different levels, such as metabolic pathways and molecular mechanisms, can provide solutions for crop diseases that are prominent in the agricultural field. This Special Issue is intended to provide a collection of the latest advances in antimicrobial secondary metabolites in the field of microbiology and their applications in biological control. The main research topics of the Special Issue are: isolation and identification of microbial metabolites, breeding of high-yielding strains of microbial metabolites, bacteriostatic activity of secondary metabolites, microbial metabolic pathways and biological control. We will also consider relevant research on important plant diseases or pathogens.

Guest Editor

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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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