Special Issue

Microorganisms as Biocontrol Agents

Message from the Guest Editor

Biocontrol is an environmentally friendly method of suppressing diseases and pests by using other organisms; over the last 40 years, research into biocontrol has increased dramatically. Biological control has been accomplished with microorganisms in agriculture, forests, natural resources, stored products, and aquatic environments through antibiosis, host colonization, nutrient or niche competition, induced resistance, parasitism, etc. Therefore, it is very important to understand microbial characteristics, genetics, ecology, and interactions with host pathogens or pests as well as environments for accomplishing biocontrol. The aim of this Special Issue is to provide articles related to current issues in the research of "microorganisms as biocontrol agents". The Special Issue includes the diverse works of scientists in the areas of microbiology, microbial ecology, agronomy, plant pathology, entomology, nematology, and more. As the of this Special Issue, I invite you to submit research articles, review articles, and short communications related to microorganisms as biocontrol agents.

Guest Editor

Dr. Mee Kyung Sang

National Institute of Agricultural Sciences, Rural Development Administration, Wanju 55365, Korea

Deadline for manuscript submissions

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Microorganisms
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
microorganisms@mdpi.com

mdpi.com/journal/microorganisms

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About the Journal

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.

Editor-in-Chief

Dr. Nico Jehmlich
Department of Molecular Toxicology, UFZ-Helmholtz Centre for Environmental Research, 04318 Leipzig, Germany

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Journal Rank:

JCR - Q2 (Microbiology) / CiteScore - Q1 (Microbiology (medical))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.2 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).

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