

Special Issue

Microbiomes and Mycobiomes in Crop Health and Disease: 2nd Edition

Message from the Guest Editor

Cooperation and competition among the members of a biome are forces that impact its structure, composition, and, ultimately, its equilibrium as a system. Plants harbor a complex habitat of fungal and bacterial communities whose stability is determined by intra- and interspecies interactions. Pathogen invasion and the subsequent multiplication in the host are known to disrupt healthy biomes. The topics of this Special Issue explored include, but are not limited to, (1) defining the range of bacterial and fungal pathobionts, as well as the temporal dynamics of the transition to a diseased biome in diverse crop systems, and (2) understanding the impact of a pathogen on the 'microbe–microbe' relationships in a healthy biome, and how pathobionts may influence disease incidence and severity. Keywords: pathobiome; pathobiont; plant/crop disease; microbiome; mycobiome

Guest Editor

Dr. Sorina C. Popescu

Department of Biochemistry, Molecular Biology, Plant Pathology and Entomology, Mississippi State University, Starkville, MS, USA

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

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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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