



Advances in the Plant Microbiome: Rhizosphere, Endosphere and Phyllosphere

Guest Editor:

Prof. Dr. Gustavo Santoyo

Instituto de Investigaciones
Químico Biológicas, Universidad
Michoacana de San Nicolás de
Hidalgo (UMSNH), Morelia,
Mexico

Deadline for manuscript
submissions:

30 September 2024

Message from the Guest Editor

Dear Colleagues,

The role played by microorganisms and their functions in plants is relevant in various research areas, from uncovering basic communication mechanisms to field applications aimed at increasing crop production. To exert their beneficial functions, the microbiome can influence different interaction zones with the plant, such as the rhizosphere, endosphere and phyllosphere. Each of these plant–microbiome interaction regions has its complexities of study, and new beneficial organisms are constantly being revealed, while molecules and compounds important for communication and protection against potential pathogens are being sought. Therefore, it is imperative to review the latest advances in plant microbiome-related research, where progress is exponential.

keywords: PGPR; plant–microbe interactions; biocontrol; plant growth promotion





an Open Access Journal by MDPI

Editor-in-Chief

Dr. Nico Jehmlich

Department of Molecular
Systems Biology, UFZ-Helmholtz
Centre for Environmental
Research, 04318 Leipzig,
Germany

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, PubAg, CAPlus / SciFinder, AGRIS, and other databases.

Journal Rank: JCR - Q2 (*Microbiology*) / CiteScore - Q2 (*Microbiology*)

Contact Us

Microorganisms Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/microorganisms
microorganisms@mdpi.com
X@Micro_MDPI