



Microbial Biostimulants: From the Lab to the Field for a New Agriculture 2.0

Guest Editor:

Prof. Dr. Francois Lefort

Plants and Pathogens Group,
Research Institute Land Nature
and Environment, Hepia, HES-SO
University of Applied Sciences
and Arts Western Switzerland,
Jussy, 1200 Geneva, Switzerland

Deadline for manuscript
submissions:

closed (31 March 2023)

Message from the Guest Editor

This Special Issue aims to bring together a sample of very recent developments in microbial biostimulants for agriculture, on their way to the biofertilizer market or recently available to diverse agricultural production sectors, whether it be in horticulture, environmental and fruit arboriculture, viticulture, silviculture, or vegetable or crop production. The development of these innovating products has been based on chemistry, biochemistry, biotechnology, and microbiology applied to agriculture, taking into account the physiological, agricultural, and ecological constraints of plants. Finally, these plant microbial biostimulants must be effective at very low doses, while being ecologically friendly. They especially must produce a positive and reproducible effect on crops. Whether bacteria or fungi, these microorganisms that can be used as plant biostimulants and plant health promoters are part of a wide unknown microbial diversity, constituting the rhizospheric, epiphytic, or endophytic microbiota which are on the way to being domesticated.





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