

Special Issue

Plant Growth-Promoting Bacteria, 2nd Edition

Message from the Guest Editor

This Special Issue is the 2nd edition of our previous Special Issue “[Plant Growth-Promoting Bacteria](#)”.

Plant growth-promoting bacteria include endophytic and rhizospheric bacteria, which can increase plant growth and yield, reduce the impacts of biotic or abiotic stresses, and reduce the usage of external inputs, such as fertilizer, irrigation, or pesticides, while at least maintaining the current yield. These include bacteria isolated from different plant species. In this Special Issue, we will discuss both the diversity and taxonomical compositions of populations of these bacteria, as well as their mechanisms of action and their effects on major crops such as cereals, soybeans and pulses, oil crops, and major forage species, particularly under field conditions. We will also discuss potential strategies to evaluate them to increase the selection process' effectiveness. We are interested in biotechnological approaches that lead to their increased use in field production systems.

Guest Editor

Prof. Dr. Mario De Andrade Lira Junior

Departamento de Agronomia, Universidade Federal Rural de Pernambuco, Rua Dom Manuel de Medeiros, s/n, Dois Irmãos, Recife 52171-900, PE, Brazil

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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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