

Special Issue

Biotechnology of Microorganisms in the Agriculture Environment

Message from the Guest Editors

A growing worldwide concern regarding environmental pollution issues has motivated researchers to seek alternatives to chemical-based, conventional agriculture. Microorganisms have shown great promise in agriculture environment, with benefits including producing high-quality organic amendments, enhancing soil fertility, suppressing disease-causing organisms, increasing yield, and bioremediating soil. In this Special Issue, we invite articles thematically related to the development of biotechnology in agriculture and the possibilities and threats related to the introduction of modifications; the use of unconventional fertilizers, e.g., sewage sludge and ashes, and their influence on the physical, chemical, and biological properties of the soil and on the yield; possibilities of using biotechnology to assess the condition of the soil environment, in particular the role of microorganisms in the soil environment as bioindicators of soil quality; the impact of use of plant protection products and unconventional fertilizers on the development of microorganisms; microbiological and enzymatic processes in soil; and the use of microbiological biotechnology for, e.g., soil bioremediation.

Guest Editors

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Deadline for manuscript submissions

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