



## Phytoremediation for Improving Agriculture Soil Quality

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### Message from the Guest Editors

The widespread use of synthetic fertilizers and chemical pesticide inputs in crop production influences soil biodiversity and quality. In addition, global climate changes threaten the stability of crops due to unexpected periods of drought and rainfall during growing seasons.

New methods of remediation of soil conditions have been developed by replenishing the biodiversity of microorganisms and restoring the proper soil microbiota. These methods, however, are still poorly understood, and broad action to disseminate the results is needed concerning innovative ways and mitigation plans on maintaining soil fertility and increasing its resilience against biotic and abiotic stresses.

We invite researchers carrying out the most innovative works in this topic to contribute with empirical data in controlled conditions, in fields, or metanalyses.

Papers dealing with fertilizers (especially slow-releasing fertilizers and nanofertilizers); plant growth-promoting microorganisms (AMF, endophytes, rhizospheric microorganisms); biological protection against pathogens, improvement of soil quality, tolerance to drought, etc.





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