Special Issue

Plant Growth Promoting Microorganisms Useful for Soil Desalinization

Message from the Guest Editors

Salinization of cultivable soils is one major issue that humankind will have soon to face, high salt content will cause a reduction of crop yields and also their palatability. During the last decade, it has been recognized that rhizospheric microorganisms play a relevant role to maintain and improve plant health, such as promoting plant growth, and reducing stress caused by soil salinization. Some studies have demonstrated the tolerance to high salt concentrations of certain microorganism strains and their capability to improve the plant wellness. The combination of these salt-tolerant PGP microorganisms with halo-tolerant crops could provide an income to farmers of these areas of the world which are usually very poor, and a mitigation of this serious problem throughout a phytoremediation process. For the above-mentioned reasons, we are proposing the collection of scientific manuscripts which can shed light on principles which regulate interactions among plants and microorganisms in the case of salty and arid cultivable soils.

Guest Editors

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Deadline for manuscript submissions

closed (31 January 2021)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/40141

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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