



Plant and Human Probiotics: Consequences on the Autochthonous Microbiota

Guest Editors:

Dr. Elisa Gamalero

Dr. Elisa Bona

Dr. Giorgia Novello

Dr. Francesco Vuolo

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Message from the Guest Editors

According to the definition given by Food and Agriculture Organization of the United Nations (FAO) and WHO probiotics are “live microorganisms, which, when administered in adequate amounts, confer a health benefit on the host”. While human probiotics are well known for their beneficial effects, plant probiotics are microorganisms that are able to improve plant nutrient acquisition, suppress soil-borne diseases, and increase plant tolerance to environmental stresses.

Several studies have been published pertaining to the selection, identification, and characterization of human and plant probiotics, and to their impact on the host. However, once probiotics are introduced into the host, pre-existing balances among the resident members of the microbiota are interrupted, and new, intricate and complex interactions, involving the host, the environment and the probiotics, are created. Many open questions remain regarding how the microbial community is altered after the use of human and plant probiotics within the autochthonous microbiome.

This Special Issue accepts original research and reviews that aim to fill in this gap of knowledge.





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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

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Contact Us

Microorganisms Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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