



18th SEFIN Meeting and 1st Spanish-Portuguese Congress on Beneficial Plant-Microorganism Interactions

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Deadline for manuscript
submissions:

closed (30 November 2023)

Message from the Guest Editors

Dear Colleagues,

A wide range of microorganisms live in association with plants, including diazotrophic bacteria, mycorrhizal fungi, plant growth-promoting rhizobacteria (PGPR), and leaf and seed endophytes. These microorganisms provide the plant with nitrogen and phosphorus in assimilable form, facilitate water uptake, produce plant hormones, and enhance the tolerance of plants to abiotic and biotic stresses. Probably the most well-known beneficial association is the nitrogen-fixing symbiosis between soil rhizobia and legume roots. However, other symbioses are also very relevant. Mycorrhizal fungi improve the nutrient status of their host plants and actinorhizal plants are used for timber and reclamation of degraded lands. Moreover, there is an upsurge of interest in the study of plant microbiomes and of mechanisms underlying the interactions of plants with fungal and bacterial endophytes because they enhance crop yield.

This Special Issue will comprise original research articles covering physiology, biochemistry, genetics, genomics, evolution and agricultural applications of beneficial microorganisms and of their host symbiotic partners.





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Message from the Editorial Board

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