Special Issue

Peanut–Microbe Interactions for Sustainable Cultivation

Message from the Guest Editors

Peanut is one of the most widely cultivated legumes in tropical and subtropical regions, grown in over 100 countries. Globally, it ranks as the sixth most important oilseed crop, valued for both its nutritional and agroeconomic significance. Biologically, peanuts are notable for their ability to fix atmospheric nitrogen through symbiosis with rhizobia, contributing to soil fertility and sustainable farming practices. This upcoming Special Issue aims to highlight recent advances in the use of microorganisms to support peanut cultivation, particularly under biotic and abiotic stress conditions. As climate change intensifies pressures on agriculture, innovations in plant–microbe interactions are playing an increasingly vital role in developing more sustainable and productive cropping systems for the future.

Guest Editors

Dr. Maria Laura Tonelli

Departamento de Ciencias Naturales, Facultad de Ciencias Exactas, Físico-Químicas y Naturales, Universidad Nacional de Río Cuarto (UNRC), Instituto de Investigaciones Agrobiotecnológicas (INIAB, CONICET-UNRC), 5800 Río Cuarto, Córdoba, Argentina

Dr. Fernando Ibañez

Departamento de Ciencias Naturales, Facultad de Ciencias Exactas, Físico-Químicas y Naturales, Universidad Nacional de Río Cuarto (UNRC), Instituto de Investigaciones Agrobiotecnológicas (INIAB, CONICET-UNRC), 5800 Río Cuarto, Córdoba, Argentina

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Plants
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
plants@mdpi.com

mdpi.com/journal/plants

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Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

Editor-in-Chief

Prof. Dr. Dilantha Fernando
Department of Plant Science, University of Manitoba, Winnipeg, MB R3T 2N2, Canada

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