Special Issue

Effects of Soil Fertility and Plant Growth Promoters on Horticultural Crops

Message from the Guest Editors

This Special Issue aims to clarify the role played by plant growth promoters, as well as chemical, biological, and physical soil fertility, on crop growth, development, and yield in a sustainable horticultural system. Plant growth promoters can be microbial and non-microbial. They enhance the all-round growth of the crops by regulating their metabolic activities by increasing seed germination speed, root growth, leaf quality, vigor, and the resilience of crops to biotic and abiotic stresses. The increase in growth leads to a better assimilation of nutrients, quality of the final yield, and productivity. Plant growth promoters are also known as soil conditioners; this is due to their positive effects on soil quality, with respect to biological and physical fertility. Therefore, the Special Issue solicits the collection of research articles, reviews, short notes, and opinion articles, focusing on the effects and the mode of action of plant growth promoters (microbial and not microbial, from organic and synthetic sources); their impact on soil fertility; and their effectiveness in improving plant growth, yield, quality, and tolerance to biotic and abiotic stresses.

Guest Editors

Dr. Alessandra Moncada

Department of Agricultural, Food and Forestry Sciences, University of Palermo, Viale delle Scienze, 90128 Palermo, Italy

Dr. Filippo Vetrano

Department of Agricultural, Food and Forestry Sciences, University of Palermo, Viale delle Scienze, 90128 Palermo, Italy

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

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Editor-in-Chief

Prof. Dr. Leslie A. Weston
Gulbali Centre for Agriculture, Water and Environment Research, Charles Sturt University, Wagga Wagga, NSW 2678, Australia

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