

Special Issue

Innovations in Greenhouse Horticulture for Producing More With Less

Message from the Guest Editors

This Special Issue ‘Innovations in greenhouse horticulture for producing more with less’ intends to publish research and review papers focusing on recent scientific progress and innovations made in greenhouse horticulture towards achieving higher production of horticultural crops from lesser use of inputs/resources (area, water, nutrient, energy, manpower, etc.). We welcome papers on the topic covering ‘type of protective structure (hi-tech greenhouse to low-cost plastic/net cover and mulching), microclimate management (temperature, relative humidity, VPD, CO₂, radiation and LED lighting, etc.) and cultivation system (soil or soilless-hydroponics or vertical farming), crop modeling and phenotyping, new cultivars or rootstocks, growing media, organic and inorganic nutrient sources, fertigation and irrigation strategies, and IoT in greenhouse operation. In addition, plant growth, physio-biochemistry and molecular responses associated with different biotic and abiotic stressors, and integration of biostimulants and plant growth-promoting compounds, and microorganisms with plants that help improve horticultural crops productivity and stress tolerance.

Guest Editors

Dr. Pradeep Kumar

Prof. Dr. Giuseppe Colla

Dr. Mariateresa Cardarelli

Dr. Pratapsingh Khapte

Deadline for manuscript submissions

closed (31 December 2023)



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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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Message from the Editor-in-Chief

Agronomy draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet.

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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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