

Special Issue

Advances in Irrigation and Fertilization Technologies for Sustainable Plant Production

Message from the Guest Editors

As global populations continue to grow and climate variability intensifies, the sustainable enhancement of plant production has become an urgent priority. The efficient use of water and nutrients is central to this challenge. Innovations in irrigation and fertilization are not only vital for increasing plant productivity but also for minimizing environmental impacts such as groundwater depletion, soil salinization, and nutrient runoff. The purpose of this Special Issue is to present innovative studies, tools, approaches, and techniques that have been successful in addressing some of these concerns. Researchers are invited to contribute original research articles and reviews that encompass a wide range of topics within the realm of irrigation and fertilization technologies in soilless and greenhouse and traditional soil cultivation for plant production. The scope includes, but is not limited to, investigations into plant-specific responses to water and fertigation, environmental implications and risk assessment, and technological innovations driving this field forward.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Horticultural plants and their products provide sustenance, health, and beauty. A confluence of factors is putting increasing pressure on horticultural production to evolve, and innovative research is addressing these challenges. *Horticulturae* provides a venue to communicate research results in a rapid manner with open access, allowing everyone the opportunity to stay abreast of leading research addressing horticulture. I invite you to consider publishing the results of your research in this high quality, peer-reviewed journal.

Editor-in-Chief

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