

Special Issue

Innovative Technologies and Remote Sensing Methodologies for Irrigation Scheduling in Vegetable, Fruit and Ornamental Crops

Message from the Guest Editors

Efficient irrigation management is key for sustainable horticulture and its importance increases with climate change and limited resources. Remote sensing of crop water requirements using satellite or UAV (unmanned aircraft vehicle) imagery is possibly the most focused-upon research field in irrigation and water management. The non-contact and large-area detection of crops' supply status, combined with digitalized and automatable crop management, offers high potential for practical application. However, the technique is associated with various shortcomings for small-scale cultivation and for temperate climates with cloud formation. Thus, methodological and technical solutions are needed for improved spatial, temporal and spectral resolution, particularly for satellite imagery, of the area to be irrigated. This Special Issue will contribute to the exchange of opinions, discussions, and solutions to enhanced water management in irrigated horticulture by remote sensing technologies that address underexplored practical challenges through our forum and the publication of your research. We wish to promote the exchange of mature and new approaches between different countries.

Guest Editors

Prof. Dr. Jana Zinkernagel

Department of Vegetable Crops, Hochschule Geisenheim University,
Von-Lade-Str. 1, D-65366 Geisenheim, Germany

Dr. Angeliki Elvanidi

Department of Agriculture Crop Production and Rural Environment,
University of Thessaly, Fytokou Str., 38446 Volos, Greece

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

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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

Prof. Dr. Luigi De Bellis
Department of Biological and Environmental Sciences and
Technologies (DiSTeBA), Salento University, Lecce, Italy

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