

Special Issue

Optimising Soilless Culture Systems and Alternative Growing Media to Current Used Materials

Message from the Guest Editors

This Special Issue will focus on optimising soilless culture systems and recent advances in the characterisation and utilisation of novel soilless substrate materials used in plant-production systems. We welcome high-quality research publications and reviews, covering all related topics in soilless culture and substrate science. These include new promising substrate components; substrate characterisation and analytical techniques; the hydrology and physical properties of growing media; chemical and biological properties; substrate formulation and growth-medium engineering; reducing water and nutrient runoff; biological additives and microbial influences; plant-physiology specifics in such systems; root-medium properties; plant propagation; plant nutrition and chemistry; the advancement of technologies such as green roofs, vertical farming, and modern automated systems for nutrient and water supply, such as Artificial Intelligence and the Internet of Things; and other closely related research areas within soilless substrates and growing media.

Guest Editors

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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
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