

Special Issue

Minimizing Resource Input to Increase Sustainability in Production Horticulture

Message from the Guest Editors

Dear Colleagues: We would like to invite you to contribute to this Special Issue on Research in Soil Science and Greenhouse Production Under Controlled Environment Systems. Greenhouse production in controlled environments faces unique challenges, particularly in regard to sustainability of substrates and soils. With the overmining of peat, climate change, and supply chain issues, we must learn more about alternatives, and how substrates affect greenhouse or specialty crops. This includes factors that may affect greenhouse media, substrates, and soils. This SI will focus on these ongoing challenges and how they impact production in controlled environments. We invite original research papers and reviews that evaluate the potential of these problems to affect soil science and greenhouse production in controlled environments. The following topics are of particular interest for this SI: substrates and soil additives, water use efficiency, irrigation, technology to improve greenhouse or controlled environment systems, soils in controlled environments, biochar, substrate performance, plant physiology and production, and novel controlled environment production systems.

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Deadline for manuscript submissions

closed (1 December 2023)



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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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