



crops



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Advances in Protected Cropping Technology

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Deadline for manuscript submissions:

closed (20 June 2023)

Message from the Guest Editors

Declining arable land, the growing demand for food and more nutrition, and the adverse effects from climate change all impact agriculture and horticulture, sparking innovation in sustainable future food production systems. Protected cropping and indoor farming require a greater use of technology and automation to optimise land use, thereby offering new solutions to improve future food systems.

Innovations in energy-efficient greenhouse designs can provide energy savings using covering materials, fertigation optimisation, and water and nutrient recycling, as well as sensor system technologies. Automation of pollination and harvesting has potential to improve efficiency and reduce labour costs. Research testing the application of these new technologies and ensuring they do not compromise plant growth, yield, postharvest quality, or pest management is crucial to the success and sustainability of food production systems. This Special Issue encourages submissions related to advancements in protected cropping that address horticultural crop production and yield, food quality and nutrition, resource sustainability, pest management, environmental sustainability, and future food systems.



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Special Issue



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Message from the Editor-in-Chief

Crops (ISSN 2673-7655) is an international, peer-reviewed, open access journal. It publishes original articles, critical reviews, and short communications in every aspect of crop science. The journal invites contributions concerning production, improvement and utilization of all plants that are grown as crops including grains, oilseeds, forages, vegetables, fruits, nuts, and those grown for industrial uses. Our aim is to publish timely experimental and theoretical research results in a rapid and readily accessible manner. Every published article is made immediately available worldwide with free and unlimited access to everyone. If you want your work to reach a global audience of crop scientists, we invite you to submit a paper *Crops*, the international journal of crop science.

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