

Special Issue

Innovative Technologies for Sustainable Crop Production in Controlled Environment Agriculture

Message from the Guest Editors

Controlled environment agriculture (CEA) is rapidly increasing on a global scale due to the ability to cultivate crops independent of climate uncertainties and an increased demand for fresh produce, ornamental plants, and medicinal herbs. While technological advancements have been made to increase production and profitability in the industry, it is imperative to maintain a focus on sustainability to mitigate the impact on natural resources and the environment. Therefore, innovative technologies that increase the production efficiency, reduce energy and resource use, and sustainably source materials are of significant value for the future of CEA. This Special Issue aims to publish novel research findings in controlling atmospheric conditions (light, temperature, humidity, CO₂, etc.), rootzone environment (substrates, fertilizer, pesticides, irrigation water), and management of pests, diseases, and disorders that will enhance productivity while making CEA more sustainable.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

Editor-in-Chief

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