

Special Issue

Advanced Research on Information Collection, Modeling, and Control Used in Facility Agriculture

Message from the Guest Editors

Greenhouse crop production is an important facility agriculture production method that can significantly improve crop yield and quality and is receiving more and more attention. Due to the inherent complexity of the greenhouse system, the regulation of greenhouse crop production is still a great challenge. Therefore, developing advanced greenhouse microclimate control technologies, system modeling methods, decision and support systems, sensors, and measurement methods is an important way to improve the economic and social efficiency of greenhouse crop production. To promote the development of greenhouse facility agriculture, this Special Issue will provide an up-to-date perspective of greenhouse system modeling and control, computer vision and image processes, artificial intelligence, Internet of Things technology in greenhouse facility agriculture, sensor and measurement techniques, and decision optimization methods. The papers that will be published in this Special Issue should serve as a useful reference for greenhouse system modeling and control studies and will contribute to further advancement of greenhouse crop production technology.

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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.

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