Special Issue

Multi- and Hyper-Spectral Imaging Technologies for Crop Monitoring—2nd Edition

Message from the Guest Editors

As the global population proliferates, greater pressure is placed on modern agriculture to produce more food. However, crops face various threats from abiotic and biotic stresses, including drought, salt, freezing, diseases, insects, weeds, etc. Accurately monitoring the growing status of crops in a timely manner under various stresses is crucial to crop cultivation, protection, phenotyping, and seed breeding. Optical sensing technology has been explored extensively for crop monitoring, with multi-/hyper-spectral imaging technologies that can provide both spectral and imaging information playing a vital role. This Special Issue focuses on the development and application of multi- and hyper-spectral imaging technologies and advanced analyzing algorithms in crop monitoring in the field or in greenhouses. This Special Issue will fully embrace inter- and trans-disciplinary studies from multiple domains (e.g., agricultural sciences, agricultural engineering, and optical engineering) in the co-construction of knowledge for sustainable agriculture. All types of articles, such as original research and review papers, are welcome.

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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.

Editor-in-Chief

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