Special Issue

Remote Sensing in Smart Irrigation Systems

Message from the Guest Editors

With the development of precision irrigation technology in precision agriculture, the use of remote sensing methods, such as UAVs, satellites, ground vehicles, etc., can successfully obtain crop information and monitor soil moisture in agricultural fields quickly, efficiently, and accurately without touching or destroying the original soil structure.

This Special Issue focuses on the effectiveness of remote sensing technology in monitoring water use in agricultural environments to improve the sustainability of crop production. The scope of this Special Issue includes the application of remote sensing technology in irrigation monitoring, the design and optimization of smart irrigation systems, the impact of climate change on irrigation demand, the integration of remote sensing technology with the Internet of Things (IoT), case studies of remote sensing technology applications in different crops and regions, the combination of precision agriculture with remote sensing technology, and the analysis and processing of remote sensing data. We welcome the submission of various types of articles, such as original research papers and reviews.

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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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