

Special Issue

Remote Sensing-Based Monitoring of Agricultural Irrigation Water Use

Message from the Guest Editors

Water scarcity, in relation to climate change, has become a crucial obstacle to maintaining crop production. Therefore, it is important to develop sustainable irrigation strategies to reduce water use while maintaining adequate yields. The development of sensor technology led to numerous applications to agricultural areas of remote sensing technology. In this context, it is necessary to orient research and the dissemination of results towards evaluating crop water demand, assessing irrigation requirements, and in general, monitoring agricultural irrigation water use using remote sensing technologies. This Special Issue focuses on the effectiveness of remote sensing technology in monitoring water use in agricultural environments, in order to improve the sustainability of crop production. For this reason, we welcome high-quality interdisciplinary studies from disparate research fields using different remote sensing applications at different scales in agriculture environments. Original research articles and reviews are eligible.

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Deadline for manuscript submissions

closed (10 November 2024)



Agriculture

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Impact Factor 3.6
CiteScore 6.3



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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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