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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