Special Issue

Remote Sensing Technologies in Agricultural Crop and Soil Monitoring

Message from the Guest Editors

Remote sensing provides accurate and timely information for agriculture management, including crop health, crop and soil water status, and evapotranspiration. The recent developments in remote sensing sensors, platforms and processing tools are enabling enhanced monitoring of crop and soil conditions, with unprecedented details in spatial and temporal resolutions, larger penetration depths, and the capability to image in three dimensions. The use of these new features together with cloud-based artificial intelligence is expected to allow state-of-the-art progress in agriculture, meeting the world's growing demand for food production. This Special Issue focuses on the use of state-of-the-art remote sensing technologies in agricultural crop and soil monitoring. Accordingly, it will include interdisciplinary studies embracing agriculture with disciplines of remote sensing, modelling, artificial intelligence, cloud computing, and electrical engineering. Research articles are expected to cover a broad range of crop and soil status, e.g., soil moisture, texture, and tillage status, as well as crop heath, biomass, density, and evapotranspiration. All types of articles are welcome.

Guest Editors

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Deadline for manuscript submissions

closed (10 June 2023)

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Message from the Editor-in-Chief

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