Special Issue

Data-Driven Approaches and State-of-the-Art Machine Learning Techniques in Support of the Remote Sensing and Agriculture

Message from the Guest Editors

High-quality sensing systems and high-fidelity datasets play a pivotal role in agricultural scenarios. High-resolution, and multi- or hyperspectral vegetation images promise to help to identify and distinguish early-stage vital crop diseases through state-of-the-art data-driven machine learning approaches. This, in turn, leads to preventing wide spreading at an early stage and ultimately helps to increase total yield estimation. Within this context, remote sensing since the early stage of agriculture has been considered one of the major sources of data for subsequent analysis, such as predictive and prescriptive analytics and plant phenotyping. Furthermore, the recent glory of deep learning and artificial intelligence have been built upon large volumes of datasets in diverse environments such as on-/off-farm or laboratory settings. In this sense, remote data capture systems in agriculture and horticulture serve as an important supplier by feeding essential data in a timely manner.
We are welcoming researchs on the current advances and applications of remote data capture systems in agricultural scenarios.

Guest Editors

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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