Special Issue

Smart Farming and Land Management Enabled by Remotely Sensed Big Data

Message from the Guest Editors

Smart Farming is currently driving a revolution in agriculture, aiming at more productive and sustainable production through precise and resource-efficient decision making, with additional applications in forest and rangeland management. Remotely sensed Big Data from various satellite platforms, small unmanned aerial systems, airborne systems, and in situ and proximal sensors brings both challenges and opportunities for Smart Farming which require high spatial resolution and near real-time mapping capabilities. The main goal of this Special Issue is to report on advances in research methodologies and applications for the use of high spatial resolution or high temporal frequency remote-sensed Big Data for Smart Farming and land management application. Contributions may include (1) crop health monitoring and yield prediction, (2) vegetation stress identification, (3) soil mapping, fertilizer, and irrigation advisories, (4) the use of big data and high performance computing for agriculture, forest, and rangeland areas, and (5) the chain of data collection, storage, transfer, transformation, and analytics.

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Deadline for manuscript submissions

closed (16 July 2022)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/35622

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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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