



Smart Farming and Land Management Enabled by Remotely Sensed Big Data

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Deadline for manuscript
submissions:

closed (16 July 2022)

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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