

Special Issue

Vegetation Remote Sensing for Sustainable Water and Nutrient Management in Agriculture

Message from the Guest Editors

This Special Issue will focus on advances in **remote and proximal sensing technologies** for assessing, monitoring, and optimizing **crop water and nutrient use** at the farmland scale. We welcome original research and review articles that introduce innovative and operative methodologies, including spectral indices, thermal sensing, fluorescence/chlorophyll measurements, LiDAR, data-fusion approaches, and **machine learning techniques** for diagnosing water and nutrient stress, canopy development, and plant traits. Studies integrating sensing data with crop modelling, fertilization and irrigation scheduling, decision-support systems, or ground-based observations are particularly encouraged. Contributions addressing macro-nutrient (such as nitrogen or phosphorus) management, nutrient use efficiency, and their combined interactions with water availability will be highly valued.

Guest Editors

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