



Application of Remote Sensing Technology in Orchard Precision Management

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Message from the Guest Editors

This Special Issue welcomes contributions from scholars reporting current achievements and frontier findings that identify the future direction of these cutting-edge applications in orchard planting management. This Special Issue will publish papers dealing with the following main aspects:

- Remote sensing survey of basic orchard information, e.g., investigation of orchard distribution, orchard age survey, and orchard infrastructure distribution survey.
- Remote sensing inversion of orchard parameters, including but not limited to the inversion of physiological and biochemical parameters (e.g., LAI, chlorophyll contents of orchard trees, and nutrient content) of orchard trees, and the inversion of environmental parameters (e.g., canopy temperature, soil moisture and nutrients, photosynthetically active radiation).
- Orchard planting management, e.g., orchard tree growth monitoring (including tree height, crown width, leaf nutrient content, leaf green content, number of flowerings, and number of fruit), Orchard tree water management (vegetation evapotranspiration, water stress pattern), orchard tree nutrient (e.g., nitrogen, phosphorus, potassium) management, and pest management.





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Message from the Editor-in-Chief

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