



Advances in Field Spectroscopy in Agriculture

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Deadline for manuscript
submissions:

closed (20 March 2023)

Message from the Guest Editors

Dear Colleagues,

Field spectroscopy is one of the most suitable technologies for assessing plants and soils using a non-destructive approach. It can be defined as the measurement of the spectral properties over a continuous region of the electromagnetic spectrum. Field spectroscopy is safe, rapid, cost-effective, easy-to-use, and sensitive, and allows us to monitor changes in the characteristics of crops throughout the growth season until harvest.

This Special Issue aims to present a collection of original research articles and reviews related to recent advances in field spectroscopy in agriculture. Potential topics include, but are not limited to:

- assessment of crop quality and yield;
- classification of crops and soils;
- early detection of crop diseases;
- physical and chemical characteristics of crops and soils;
- water monitoring in crops and soils;
- estimation of plant photosynthesis and respiration parameters using empirical models;
- testing and development of advanced radiative transfer models;
- fruit yield and quality assessments; and
- fruit ripeness and marketability assessments.





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Message from the Editor-in-Chief

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