## **Special Issue**

# Application of Remote Sensing in Orchard Management

#### Message from the Guest Editor

Timely management decisions rely on accurate and detailed information on crop vitality and productivity. Remote sensing is increasingly considered a reliable information source, with many operational applications emerging to assist farmers in their daily management. However, these are mainly focused on annual. monoculture crops. For perennials such as fruit orchards, extracting the required information from remote sensing data sources has proven to be much more difficult. These difficulties can be attributed to a variety of reasons, such as the influence of the background due to the sparse coverage of the trees, the complexity of the tree structure which results in undesired effects such as variable illumination, as well as the carry-over effects of stressors over multiple growing seasons. This special issue will focus on new and innovative solutions which help to overcome these issues, and enable remote sensing to be a useful and indispensable tool to inform farmers on the vitality and productivity of the trees in fruit orchards, and/or on the variability in soil properties to better understand withinfield variability.

#### **Guest Editor**

Dr. Laurent Tits

Remote sensing department, Flemish institute for Technological research (VITO), 2400 Mol, Belgium

#### Deadline for manuscript submissions

closed (31 March 2020)



an Open Access Journal by MDPI

Impact Factor 3.4 CiteScore 6.7



mdpi.com/si/27774

Agronomy Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 agronomy@mdpi.com

mdpi.com/journal/agronomy





an Open Access Journal by MDPI

Impact Factor 3.4 CiteScore 6.7



### **About the Journal**

#### Message from the Editor-in-Chief

Agronomy draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet. Agronomy is supported by our authors and their institutes through low article processing charges (APC) for accepted papers. We hope you will support the journal by becoming one of our authors.

#### Editor-in-Chief

Prof. Dr. Leslie A. Weston

Gulbali Centre for Agriculture, Water and Environment Research, Charles Sturt University, Wagga Wagga, NSW 2678, Australia

#### **Author Benefits**

#### **Open Access:**

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### **High Visibility:**

indexed within Scopus, SCIE (Web of Science), PubAg, AGRIS, and other databases.

#### **Journal Rank:**

JCR - Q1 (Agronomy) / CiteScore - Q1 (Agronomy and Crop Science)

