



Monitoring and Forecasting Techniques in Fruit and Vegetable Production

Guest Editors:

Prof. Dr. Jingcheng Zhang

College of Artificial Intelligence,
Hangzhou Dianzi University,
Hangzhou, China

Dr. Hao Yang

1. National Engineering Research
Center for Information
Technology in Agriculture
(NERCITA), Beijing 10089, China
2. Key Laboratory of Quantitative
Remote Sensing in Agriculture of
Ministry of Agriculture and Rural
Affairs, Information Technology
Research Center, Beijing
Academy of Agriculture and
Forestry Sciences, Beijing 100097,
China

Deadline for manuscript
submissions:

closed (20 June 2022)

Message from the Guest Editors

To optimise agronomic inputs and resilience, reduce the impact from stresses and disasters and improve yield/quality and production efficiency, this Special Issue aims at highlighting state-of-the-art monitoring and forecasting techniques in fruit and vegetable production. This Special Issue invites contributions on (i) innovative monitoring techniques in fruit and vegetable production; (ii) novel forecasting modeling methodologies on yield, quality and disasters; and (iii) literature reviews or applications of monitoring and forecasting techniques. Submissions are expected to cover a broad range of topics which may include, but are not limited to, the following:

- Monitoring of growing status with remote sensing and WSNs;
- Monitoring of stresses in fruit and vegetable production;
- Open area (e.g., orchards) and indoor (e.g., greenhouse) monitoring techniques;
- Monitoring techniques associated with spectral and imaging analysis;
- Fusion of multiple sources of data in monitoring and forecasting;
- Forecasting models of yield, quality, diseases and pests and meteorological disasters;
- Theories and models for forecasting tasks;
- Novel data processing techniques in forecasting.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Leslie A. Weston

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

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.

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)

Contact Us

Agronomy Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/agronomy
agronomy@mdpi.com
[X@Agronomy_Mdpi](https://twitter.com/Agronomy_Mdpi)