

Special Issue

Application of Spectral Sensors in Agricultural Product Quality Detection

Message from the Guest Editor

The utilization of spectral sensors in agriculture has revolutionized the way producers, scientists, and engineers approach crop management and food safety. This Special Issue aims to highlight innovative research and developments in the application of spectral sensors for detecting and predicting the quality of agricultural products. It seeks to cover a broad spectrum of topics, including advances in sensor technology, data analysis techniques, and their integration into existing agricultural practices. Papers in this issue will showcase the latest breakthroughs in spectral sensor technology and its applications in agriculture. This includes novel sensor designs, improvements in data processing algorithms, and the use of artificial intelligence to interpret complex datasets. Suitable topics include, but are not limited to, the following:

- Development and validation of new spectral sensors for quality detection in various crops;
- Case studies on the implementation of spectral sensors in field conditions;
- Methods for interpreting complex data collected by spectral sensors, including the use of machine learning and artificial intelligence to predict crop quality.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

Editor-in-Chief

Prof. Dr. Les Copeland

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