Special Issue

Sensors Application in Agricultural Produce and Food Quality Control

Message from the Guest Editor

Sensor applications in assessing food quality (of both fresh produce and processed goods) is a topic of increasing interest to the food industry. Enhanced computing abilities and data processing speeds have realized the potential of sensors to be developed for factory applications such as in-line quality monitoring. A number of non-invasive technologies, such as UV-Vis-NIR spectroscopy, X-ray imaging, hyperspectral imaging, nuclear magnetic resonance, RGB imaging in combination with machine learning have shown the potential to develop cutting edge real-time food quality monitoring solutions. This Special Issue therefore to collect short communications, original research and review articles on recent advances in, technologies of, solutions, applications, and new challenges for sensors application in food quality control. Potential topics include but not limited to:

- machine learning/deep learning (ML/DL) applications;
- emerging sensor-based technologies;
- application of imaging-based technologies;
- new ways of using sensor data;
- sensor fusion;
- data-driven approaches for food quality assessment.

Guest Editor

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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