



sensors



an Open Access Journal by MDPI

Sensors and Associated Artificial Intelligence in Agricultural Applications for Specialty Crops

Guest Editors:

Dr. Marcus Nagle

Agricultural Research and
Development Program, Central
State University, Wilberforce, OH
45384, USA

Dr. Deng Cao

Mathematics & Computer
Science Faculty, Central State
University, Wilberforce, OH
45384, USA

Dr. Cadance Lowell

Department of Agricultural
Sciences, Central State
University, Wilberforce, OH
45384, USA

Deadline for manuscript
submissions:

closed (31 January 2021)

Message from the Guest Editors

Dear Colleagues,

A critical aspect of precision agriculture is not only the development and application of sensors for grain crop production, but also for the smaller-scale yet high-value fruit and vegetable commodities. This field of study continues to develop, especially with the discovery of new sensing principles and the reduced cost of existing technologies which make them practical to apply in agriculture. Smart technology and the Internet-of-Things, which have recently emerged, are assured to find their place in agricultural settings as well, and science and industry are already active with making that a reality. In this Special Issue, we welcome contributions that use established and novel sensing technologies and methods to monitor and predict growth, disease, maturation, ripening, mechanical damage, and general quality of specialty crops during production, harvest, and postharvest phases. The research presented will highlight the current work being done by various research groups around the world to make fruit and vegetable production truly 21st-century. For more information, please visit: mdpi.com/si/37498

Dr. Marcus Nagle

Dr. Deng Cao

Dr. Cadance Lowell

Guest Editors



mdpi.com/si/37498

Special Issue



sensors



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

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.

Author Benefits

Open Access : free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Ei Compendex](#), [Inspec](#), [Astrophysics Data System](#), and [other databases](#).

Journal Rank: JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)