

## Special Issue

# Crop and Animal Sensors for Agriculture 5.0

### Message from the Guest Editor

Sensors and sensing platforms are proven innovative tools that can break the bottlenecks in the agricultural value chain. From crops-focused precision agriculture, to farm animal and fisheries focused precision livestock farming, sensors have been playing a significant role in harnessing the power to drive food security and enhance production and welfare. As we are entering into the era of Agriculture 5.0 with the digitalization focus, there are still gaps in the usage of sensing technologies in measuring various factors, parameters, signals, and processes concerning crop and animal production. Future farming systems call for sensor fusion platforms; novel wearable sensors; digital twins; mechanistic models from sensors; visual animal biometrics; crop and animal biosensors; food safety biosensors; food processing biosensors; block chain tools; and many others. I invite all researchers from a multidisciplinary background to submit research papers and critical and insightful review articles for this Special Issue on “Crop and Animal Sensors for Agriculture 5.0”. I look forward to reading your contributions. Prof. Dr. Suresh Neethirajan

---

### Guest Editor

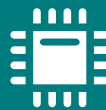
Dr. Suresh Neethirajan

Department of Animal Science & Aquaculture, Faculty of Agriculture & Computer Science, Dalhousie University, 6050 University Ave, Halifax, NS B3H 1W5, Canada

---

### Deadline for manuscript submissions

closed (30 November 2023)



## Sensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 7.3  
Indexed in PubMed



[mdpi.com/si/59777](https://mdpi.com/si/59777)

*Sensors*

MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sensors@mdpi.com](mailto:sensors@mdpi.com)

[mdpi.com/journal/  
sensors](https://mdpi.com/journal/sensors)





# Sensors

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 7.3  
Indexed in PubMed



[mdpi.com/journal/  
sensors](https://mdpi.com/journal/sensors)



## About the Journal

### 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.

---

### 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

---

### 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 (Chemistry, Analytical) / CiteScore - Q1 (Instrumentation)