



*sensors*



an Open Access Journal by MDPI

## IoT-Driven Bioacoustics Sensing

Guest Editors:

### **Dr. Gerald Kotonya**

Department of Computing and Communications, Lancaster University, Lancaster LA1 4YW, UK

### **Dr. Cornelius Ncube**

Computer Science, The British University in Dubai, Block 11, 1st and 2nd Floor, Dubai International Academic City P.O. Box 345015, Dubai, United Arab Emirates

Deadline for manuscript submissions:

**closed (10 March 2024)**

### **Message from the Guest Editors**

Dear Colleagues,

The open-access journal *Sensors* (ISSN 1424-8220, IF 3.847) is pleased to announce a Special Issue entitled "IoT-Driven Bioacoustics Sensing". Low-cost IoT devices and machine learning have been combined with acoustic sensing to monitor biodiversity. IoT-driven bioacoustics is being used to capture and classify acoustic signals and temporal metadata as a way of identifying and studying the behaviour of species. IoT-driven bioacoustics has applications in medical science, agriculture, biodiversity, pest management, and marine mammal acoustics, and there are numerous overlaps between these areas. This Special Issue will collect original research papers and novel insights into the state, modelling, design, implementation, sustainability, and case-study experience of IoT-driven bioacoustics, techniques, and systems.

- Internet of Things
- bioacoustics
- machine learning
- species
- modelling
- sustainability
- implementation
- case studies

For more information, please visit: [mdpi.com/si/139887](https://mdpi.com/si/139887)



[mdpi.com/si/139887](https://mdpi.com/si/139887)

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

## Contact Us

---

*Sensors* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sensors](http://mdpi.com/journal/sensors)  
[sensors@mdpi.com](mailto:sensors@mdpi.com)  
[X@Sensors\\_MDPI](#)