



sensors



an Open Access Journal by MDPI

Accelerating Beyond Traditional Farming through Exceptional Approaches of AI and IoT

Guest Editors:

Dr. Amit Kumar Mishra

Dr. Alfonso González-Briones

Prof. Dr. Juan M. Corchado

Deadline for manuscript
submissions:
closed (30 June 2023)

Message from the Guest Editors

This Special Issue invites individuals to submit original quality work regarding the domain of emerging technologies transforming traditional agriculture, and urges to highlight the important sub-disciplines within, but not limited to, the following topics:

- Expert systems in agriculture;
- Smart agriculture and precision farming with AI;
- Crop yield prediction using IOT and AI;
- Precision irrigation and waste reduction;
- Livestock tracking with machine learning;
- Supply chain optimization with AI and IOT;
- Tailor-made IOT devices and solution;
- Crop health monitoring and smart spraying;
- Optimal mixing of pesticides using supervised learning;
- Optimization of irrigation system with AI;
- AI-powered fertilizer recommendation system;
- Soil monitoring and management with AI.

Dr. Amit Kumar Mishra

Dr. Alfonso González-Briones

Prof. Dr. Juan M. Corchado

Guest Editors



mdpi.com/si/105776

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 & Instrumentation*) / CiteScore - Q1 (*Instrumentation*)

Contact Us

Sensors Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

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