

# Special Issue

## Artificial Intelligence in Agriculture

### Message from the Guest Editor

This Special Issue on “Artificial Intelligence in Agriculture” focuses on fundamental and applied research targeting AI in all stages of agriculture, from soil preparation to the sowing of seeds, addition of fertilizers, irrigation, weed protection, harvesting, storage, packing, and transportation. Topics of interest include but are not limited to the following:

- Smart farming and agriculture;
- AI-assisted precision agriculture;
- AI-based soil and plant nutrient analysis;
- AI-assisted sowing;
- Computer vision in agriculture;
- Spatial AI-based agricultural robotics;
- AI-based crop monitoring;
- AI-based disease detection in crops;
- AI-based pest infestation detection and management;
- Intelligent irrigation for agriculture;
- Intelligent spraying of crops;
- AI-assisted phenotyping and genotyping;
- Predictive analytics for agriculture;
- Computational intelligence in agriculture;
- Livestock health monitoring;
- Smart Internet of things in agriculture;
- Edge AI in agriculture;
- AI in food supply chain.

---

### Guest Editor

Dr. Arslan Munir

Department of Electrical Engineering and Computer Science, Florida Atlantic University, Boca Raton, FL 33431, USA

---

### Deadline for manuscript submissions

closed (30 April 2025)



# AI

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.0  
CiteScore 6.9



[mdpi.com/si/126970](https://mdpi.com/si/126970)

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

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

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





# AI

---

an Open Access Journal  
by MDPI

---

Impact Factor 5.0  
CiteScore 6.9



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

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

## About the Journal

### Message from the Editor-in-Chief

---

#### Editor-in-Chief

Prof. Dr. Kenji Suzuki

Biomedical Artificial Intelligence Research Unit (BMAI), Institute of  
Integrated Research, Institute of Science Tokyo, Yokohama 226-8501,  
Japan

---

#### Author Benefits

##### Open Access:

free for readers, with article processing charges (APC) paid  
by authors or their institutions.

##### High Visibility:

indexed within ESCI (Web of Science), Scopus, EBSCO,  
and other databases.

##### Journal Rank:

JCR - Q1 (Computer Science, Interdisciplinary Applications)  
/ CiteScore - Q2 (Artificial Intelligence)

