

## Special Issue

# Advances in Artificial Intelligence Applications in the Agri-Food Sector

### Message from the Guest Editors

This Special Issue focuses on artificial intelligence (AI) and its implications for the agri-food sector. AI has gained popularity during the diffusion of the 4th Industrial Revolution and has become crucial to the advancement of every sector. AI has the potential to alter the agricultural and food processing industries, with significant ramifications for sustainability and global food security due to its integration of sensing, modelling, planning and action, as well as its use of decision-support systems, natural perception, analytics and robotics in agri-food-related applications.

The aim of this Special Issue is to present an overview of recent advances and cutting-edge research regarding the use of AI in the agri-food sector, propose innovative AI strategies to incorporate knowledge in more complex and dynamic environments, and introduce multidisciplinary approaches to ensure proper privacy, data control, transparency and confidentiality throughout the supply chain.

---

### Guest Editors

Prof. Dr. George A. Papakostas

Dr. Eleni Vrochidou

Prof. Dr. Lazaros Iliadis

---

### Deadline for manuscript submissions

31 August 2025



## Electronics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 6.1



[mdpi.com/si/210437](https://mdpi.com/si/210437)

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

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





# Electronics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.6  
CiteScore 6.1



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



## About the Journal

### Message from the Editor-in-Chief

*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

---

### Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di  
Torino, 10129 Torino, Italy

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus /  
SciFinder, Inspec, Ei Compendex and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) /  
CiteScore - Q1 (Electrical and Electronic Engineering)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).