

## Special Issue

# Neural Networks and Image Analysis in Intelligent Agricultural Engineering

### Message from the Guest Editor

The agricultural sector is undergoing a transformation based on precision agriculture and digital livestock farming technologies, which has led to significant improvements in addressing challenges and accelerating the transition to sustainable food systems. but substantial further progress is needed. Smart farming based on digital agriculture principles and innovative governance models requires more precise and real-time platforms for the enhancement of crop production, animal welfare, and productivity.

Several challenges need to be overcome to develop efficient analytics for the dynamic and automated processing of the temporal-spatial distribution of soil, crops, animal, and environments in real time. hence, there is a need for deep learning and advanced machine learning approaches for tackling the challenges of big data and real-time series prediction for developing novel solutions in the agrifood domain. This Special Issue calls for papers concerning the role of machine vision, sensor-enabled big data applications, and the implications of neural networks for smart agricultural applications.

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### Guest Editor

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### Deadline for manuscript submissions

closed (15 June 2023)



## Agriculture

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## About the Journal

### Message from the Editor-in-Chief

*Agriculture* (ISSN 2077-0472) is an international, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

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### Editor-in-Chief

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