

Special Issue

The Future of Artificial Intelligence and Sensor Systems in Agriculture

Message from the Guest Editors

This upcoming Special Issue of *Plants*, entitled "Future of Artificial Intelligence and Sensor Systems in Agriculture", explores the dynamic intersection between technology and farming practices. In the past few decades, agriculture has undergone a significant transformation, with the introduction of automation, and improvements in both the know-how and the flow of resources within the field. Since 2015, there was a huge expansion of half- and fully autonomous cropping systems, which began to be integrated into practical agriculture. A number of technological advancements have been made in terms of precision farming, sensor systems, and artificial intelligence (AI), enabling better crop management and resource optimization. This SI aims to provide an overview of the subject and showcase potential uses of artificial intelligence and sensor systems to transform agriculture.

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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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