Advances in the Use of Artificial Intelligence (AI)/Machine Learning (ML) and IoT in the Primary Sector

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Deadline for manuscript submissions:
closed (31 July 2024)

Message from the Guest Editors

Dear Colleagues,

Artificial Intelligence (AI), and Machine Learning (ML) more generally, have been used in a variety of fields of application. Images, as well as other signals generated by IoT sensors, can be efficiently processed using AI or ML techniques. In the primary sector, AI and ML can be used to process signals from cameras and IoT sensors for crop, livestock, as well as fish culture monitoring. Diseases can be diagnosed early, and harvesting time can be optimally scheduled to achieve the highest production efficiency with the lowest cost and the lowest environmental impact.

This Special Issue of *Electronics* will provide a forum for presenting novel AI and ML approaches on data captured by IoT sensors and cameras in primary sector applications. The images can be captured from mobile devices, UAVs, or underwater cameras. Original research articles and review papers are both welcome.

Topics of Interest of this Special Issue include, but are not limited to:

- AI/ML in precision agriculture applications
- AI/ML in livestock monitoring
- AI/ML in fish cultures

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mdpi.com/si/134240

SpecialIssue

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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.

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