Special Issue

Implementation of Artificial Intelligence in Agriculture

Message from the Guest Editors

The world is shifting from conventional agricultural practices to the modern/advanced farming techniques (i.e., precision agriculture, digital agriculture, e-agriculture or smart farming). Artificial Intelligence (AI) has major contributions in latest smart farming technologies and applications. Now a days, all kind of crop management practices including intelligent irrigation systems, soil mapping, insect/pest management, weeds management, yield estimation and prediction etc., are heavily relying on AI (including machine and deep learning) based techniques and technologies. Moreover, advanced crop harvesting technologies, fruit picking robots and drones are also getting popularity in the precision agriculture. However, 4R strategy (right place, right time, right rate and right product) can help to enhance the crop production to ensure the food security globally. In this Special Issue, we invite authors to publish their research on a wide range of Artificial Intelligence (AI) applications for smart farming research (experimental–laboratory, pilot, or actual-scale) and analysis methods. For further reading, please visit the Special Issue website.

Guest Editors

Prof. Dr. Muhammad Jehanzeb Masud Cheema

Dr. Muhammad Aqib

Dr. Ahmed Elbeltagi

Dr. Shoaib Rashid Saleem

Dr. Saddam Hussain

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AgriEngineering
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agriengineering@mdpi.com

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Dr. Mathew G. Pelletier
Retired Scientist from Agricultural Research Service, United States Department of Agriculture, Lubbock, TX, USA

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