Artificial Intelligence in Agriculture

Guest Editor:

Dr. Arslan Munir
Department of Computer Science, Kansas State University, Manhattan, KS 66506, USA

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Message from the Guest Editor

This Special Issue on "Artificial Intelligence in Agriculture" focuses on fundamental and applied research targeting AI in all stages of agriculture, from soil preparation to the sowing of seeds, addition of fertilizers, irrigation, weed protection, harvesting, storage, packing, and transportation. Topics of interest include but are not limited to the following:

- Smart farming and agriculture;
- AI-assisted precision agriculture;
- AI-based soil and plant nutrient analysis;
- AI-assisted sowing;
- Computer vision in agriculture;
- Spatial AI-based agricultural robotics;
- AI-based crop monitoring;
- AI-based disease detection in crops;
- AI-based pest infestation detection and management;
- Intelligent irrigation for agriculture;
- Intelligent spraying of crops;
- AI-assisted phenotyping and genotyping;
- Predictive analytics for agriculture;
- Computational intelligence in agriculture;
- Livestock health monitoring;
- Smart Internet of things in agriculture;
- Edge AI in agriculture;
- AI in food supply chain.

Special Issue