



The Application of Machine Learning in Agriculture

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Message from the Guest Editors

Machine learning (ML) has emerged together with big data technologies and high-performance computing to create new opportunities to unravel, quantify, and understand data-intensive processes in agricultural operational environments. For precision analysis, numerous computing methods, such as neural networks, k-means, etc., have been used in the past. artificial neural networks, fuzzy information, support vector machines, decision trees, Bayesian belief networks, regression analyses, etc. are the most commonly used methods. It is essential to promote research and development of machine learning applications in the field of agriculture. Some of the application areas of machine learning are given, i.e., automated irrigation systems, agricultural drones for field analysis, crop monitoring systems, precision agriculture, animal identification, health monitoring, etc. This Special Issue focuses on the role of machine learning in the sustainable development of the agriculture industry, aims to share quality research concerning the application of machine learning techniques in the diverse agriculture sector, including pre-production, production, processing, and distribution phases.





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Message from the Editor-in-Chief

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