Special Issue

Artificial Intelligence and Automation in Sustainable Smart Farming

Message from the Guest Editors

In "The 2030 Agenda for Sustainable Development", the United Nation and international community set a target to eliminate Hunger from the world by 2030. Additionally, the world population is anticipated to reach to 10 billion by 2050, as per a report by World Resources Institutes published in 2018. Hence, to reach this anticipated increase in food demand, artificial intelligence (AI) based sustainable smart farming and precision livestock is an inevitable approach. The main purpose of this Special Issue is to identify and report innovative and novel research outcomes on applications of AI, machine learning, deep learning, remote sensing and autonomous systems in smart farming and precision livestock. Contributions may include, but not limited to, the use of autonomous tractors, sprinklers and other instruments; infestation detection and removal using UAV images; crop health monitoring and yield prediction; vaccination scheduling of livestocks; the use of big data and high performance computing for agriculture and livestock.

Guest Editors

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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