



Remote Sensing, GIS, and AI in Agriculture

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Deadline for manuscript
submissions:

closed (28 February 2023)

Message from the Guest Editors

Agriculture is undergoing a significant transformation with the advent of emerging technologies, integrating high-resolution remote sensing images (spatial, spectral, and temporal), geographic information systems (GIS), global positioning systems (GPS), artificial intelligence (AI), and Big Data analysis in cloud computing systems. Therefore, this Special Issue aims to address these technological innovations in the various topics of agronomy: agricultural monitoring, yield prediction, irrigation management, methods to optimize yield (automated and accurate application of water, fertilizers, herbicides, and insecticides), precision agriculture, pest management, and agriculture-focused ecosystem services. In this challenging field, this Special Issue seeks to collect studies and discuss solutions for advancing methodologies in reliable agricultural management, monitoring, and forecasting systems from imagery information and geospatial data considering new approaches to data processing and AI.





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Message from the Editor-in-Chief

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