

Special Issue

Remote Sensing, GIS, and AI in Agriculture

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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Agronomy draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet.

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