# Special Issue

# Geographic Information Technologies in Agriculture and Environment

## Message from the Guest Editors

Geographic Information Technologies, including Geographic Information Systems (GISs), remote sensing, photogrammetry, Global Navigation Satellite Systems (GNSSs), and spatial analysis, have transformed the collection, visualization, and management of agricultural and environmental data. These technologies offer valuable tools for informed decision-making. In addition, they enable precision agriculture through real-time monitoring of crops, soil conditions, and water resources, which helps optimize productivity while minimizing environmental impact. High-resolution imagery from satellites and Unmanned Aerial Vehicles (UAVs) provides essential data for assessing vegetation health, monitoring deforestation, predicting droughts, and detecting changes in land use. This Special Issue aims to innovative methodologies and case studies that leverage GISs, remote sensing, photogrammetry, GNSS, IoT, AI/ML, and spatial analytics to address critical challenges in sustainable agriculture and environmental management. We invite authors to submit their manuscripts showcasing the latest developments in Geographic Information Technologies applied to agricultural and environmental sciences.

## Guest Editors

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## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

## Editor-in-Chief

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