

Special Issue

Application and Promotion of Unmanned Aerial System (UAS) Technology in Agriculture and Forestry

Message from the Guest Editor

Agricultural/Forestry production faces numerous challenges because of an ever-burgeoning population and global climate change. One solution to help farmers and foresters reduce pathogens, disease and crops/trees loss to pest organisms is to use robotic unmanned aerial systems to accurately target pest organisms precisely, thus, reducing costs and harm to non-target species within the environment.

Nevertheless, technology is improving rapidly and the purpose of this special issue is to publish high-quality research articles on how users have been able to overcome these issues. We would encourage papers on cloud-based data-driven systems using machine learning/artificial intelligence (AI) on UASs that have been specifically designed to manage pest organisms. Thus, the challenge is fusing the data collected from the onboard remote sensors to predict, track and then target pest organisms. By improving BVLOS/UTM capability and developing better data management systems (using AI) we will increase the use of UASs significantly across whole landscapes for better food and forest security.

Guest Editor

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