

Special Issue

Yield Prediction Using Data from Unmanned Aerial Vehicles

Message from the Guest Editors

This Special Issue aims to present state-of-the-art methods and results of yield estimation using UAVs as platforms to collect remote sensing data in agriculture. The type of sensors used may include, but is not limited to, high resolution RGB cameras, multispectral and hyperspectral cameras, LiDAR sensors, and TIR sensors. A fusion of different UAV sensors in combination with other ground-based or satellite-based sensor systems used for modeling the yield estimation is conceivable and desirable. Different modeling approaches and comparisons between, for example, multivariate regression, decision trees, support vector machines, or artificial neural networks are also encouraged. There is no preference for the agricultural crop, but UAV data from multi-year field trials and time series datasets within the vegetation period are preferred. Additionally, contributions by validation experiments for UAV data in crop production are highly encouraged.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Drones is the only international open-access journal about the science, policy and technology of drones and its applications. Nowadays, the proliferation of drones is a reality for local policy makers, regulatory bodies, mapping authorities, startups and consolidated companies. There are many uses and benefits of drones: from the emergence of new sensors and the evolution of new platforms; to the development of specific software and the emergence of new applications. *Drones* publishes reviews, regular research papers, communications and short notes, without restriction on the length of papers. *Drones* seeks to provide a central forum for scholars engaged in drones' research and applications.

There is a need for high quality papers in this area and the *Drones* Editorial Board are widely recognized international leaders. *Drones* journal guarantees a serious peer review and a rapid publication across the whole discipline of drones.

Editor-in-Chief

Prof. Dr. Diego González-Aguilera

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