



Drone-Based Information Fusion for Agricultural and Forestry Applications

Guest Editors:

Prof. Dr. Tao Cheng

Dr. Hengbiao Zheng

Dr. Ning Lu

Dr. Kai Zhou

Deadline for manuscript
submissions:

closed (20 August 2023)

Message from the Guest Editors

In the past decade, unmanned aerial vehicle (UAV) or drone-based remote sensing has received growing attention for precision agriculture and forest monitoring. UAVs possess significant advantages of flexible integration and strong mobility for acquiring images at high spatial and temporal resolutions. Thus, UAVs could serve as valuable platforms complementary to satellite instruments for efficient monitoring during key crop and forest growth periods. Nowadays, UAV images are widely used to estimate structural, biophysical, and biochemical traits in crop growth monitoring. Meanwhile, UAVs have also been applied to estimating forest parameters detecting individual tree crowns, and monitoring forestry fire. Recent efforts have been dedicated to fusing multi-sensor data or extracting various types of information from regular drone images. These types of information could be extracted with point cloud analysis, texture analysis, multi-view analysis, or multi-angular observations, etc. We are pleased to invite you to submit original research articles and reviews to this Special Issue of *Drone-based information fusion for agricultural and forestry applications*.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Diego González-Aguilera

Cartographic and Land
Engineering Department, Higher
Polytechnic School of Avila,
University of Salamanca, Hornos
Caleros, 50 05003 Avila, Spain

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [Inspec](#), [Ei Compendex](#) and [other databases](#).

Journal Rank: JCR - Q1 (Remote Sensing) / CiteScore - Q1 (Aerospace Engineering)

Contact Us

Drones Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/drones
drones@mdpi.com
[X@Drones_MDPI](#)