# Special Issue

# Acquisition and Reliability of Geospatial Data from UAV Platforms for Environmental Management and Monitoring

### Message from the Guest Editors

UAVs have transformed geospatial data acquisition, offering efficient, accurate mapping of land and infrastructure. Equipped with advanced sensors, UAVs gather diverse information, reaching inaccessible locations. Multi-sensor data integration provides a comprehensive view, benefiting spatial planning, resource management, environmental monitoring, and more. Articles may cover, but are not limited to, the following topics: - Mapping through photogrammetry from UAVs;
- Innovative techniques for 3D reconstruction of land structures and infrastructures;
- Innovative sensors and tools for 3D data acquisition;
- AI algorithms applied to UAV images;
- Image classification, feature extraction and change detection;
- Data processing and multi-sensor data fusion;
- Urban monitoring applications;
- Environmental and/or structural monitoring through UAVs;
- Multi-spectral and thermal imagery from UAVs for disaster prevention and monitoring. We welcome original research articles and reviews in these areas.

### Guest Editors

Dr. Domenica Costantino

Dr. Vincenzo Saverio Alfio

Dr. Massimiliano Pepe

### Deadline for manuscript submissions

closed (20 December 2024)

**Drones**

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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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