Special Issue

Rapid Disaster Assessment and Post-Disaster Recovery Using UAV Remote Sensing

Message from the Guest Editors

This Special Issue of *Drones* aims to collect original research articles and review papers focusing on the use of UAV-based remote sensing for disaster response and recovery. Contributions should explore both theoretical advancements and practical implementations, highlighting the role of UAVs in supporting resilient, informed, and sustainable disaster management strategies. The proposed theme aligns closely with the journal's scope by showcasing innovative drone applications for remote sensing in high-impact real-world scenarios.

- Rapid mapping techniques using UAVs for post-disaster assessment;
- 3D reconstruction of damaged environments;
- Change detection and semantic segmentation in disaster zones;
- Integration of UAV data with GIS and satellite data;
- Machine learning and AI applications for UAV data analysis;
- Multi-sensor UAV platforms for rescue and recovery;
- Case studies on real-world disaster response using drones;
- Legal, ethical, and logistical considerations in UAV emergency deployments.

Guest Editors

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Dr. Vincenzo Di Pietra

Dr. Miguel Angel Maté-González

Deadline for manuscript submissions

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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

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