

Special Issue

Advanced Sensing Technologies for UAV-Based Environmental Monitoring Applications

Message from the Guest Editors

The use of unmanned flight systems has increased in recent years and currently includes many different areas of application. Environmental monitoring with miniaturized devices or special detection systems installed on drones is a young discipline, but it promises a very high level of flexibility regarding the choice of place of use and of measurement parameters, as well as rapid operational readiness in contrast or in support to ground-based and permanently installed measuring devices. This Special Issue of *Sensors* aims at collecting original research papers to contribute to the discussion on the use of drones in the field of environmental monitoring: It includes the following (but is not limited to them):

- Radioactivity measurements
- Smoke, Aerosol and bio-aerosol measurements
- Measurements of hazardous substances in the air as well as on difficult to access grounds
- Measurements of meteorological parameters and air quality
- Agriculture applications
- Gas and particle measurements on volcanoes
- Data management, transfer, visualization of measurements with drones
- Post processing and data assimilation
- Miniaturization of reference methods for use on drones

Guest Editors

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Deadline for manuscript submissions

closed (30 April 2023)



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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

Editor-in-Chief

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