

Special Issue

UAV Photogrammetry for Environmental Monitoring

Message from the Guest Editors

At present, unmanned aerial systems have evolved into a mature technology. The miniaturization of components (GNSS/INS), developments in carrier platforms, ground control stations and communication data links, autopilot systems, new sensors (RGB, multi- and hyperspectral, thermal, LiDAR, etc.), falling prices, as well as new developments in data processing (mainly SfM/MVS), have opened a broad range of new applications in environmental monitoring. This Special Issue seeks innovative and well-documented articles where UAV-based data/photogrammetry are/is used in the field of environmental monitoring. Submitted manuscripts may cover, although not limited to, topics related to: novel systems and methods for data acquisition (passive and active sensors, multi-sensor approaches); georeferencing (indirect vs. direct orientation); point cloud generation and processing; DSM/DTM analysis; orthoimagery and 4D modelling; and spatial-time evolution for environmental applications (catastrophes, hazards, erosion, floods, landslides, coastal monitoring, glaciology, change detection, forestry, natural heritage preservation, fauna and flora monitoring and identification).

Guest Editors

Prof. Dr. Javier Cardenal Escarcena

Prof. Dr. Jorge Delgado García

Dr. Joaquim João Sousa

Deadline for manuscript submissions

closed (31 July 2022)



Remote Sensing

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Impact Factor 4.1
CiteScore 8.6



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About the Journal

Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

Editor-in-Chief

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