Special Issue

Novel Applications of UAV Imagery for Forest Science

Message from the Guest Editors

Dear colleagues, This Special Issue aims to collect studies related to forest observation and monitoring that employ UAVs for capturing data. We place no limitations on the sensorial configuration of the UAVs; therefore, a wide range of sensors, including RGB cameras, lidars, GNSS, IMU, and hyper-spectral cameras are accepted. We also welcome research works that cover different aspects of challenges involving UAVs as data collectors. These topics could cover anything from employing low-cost uncalibrated sensors to costly state-of-the-art sensors, or concern problems such as communication, synchronization, localization, hardware design, onboard or cloud design, etc. We will also accept comprehensive literature reviews on the mentioned topics. Articles may address, but are not limited, to the following topics:

- Forest inventory;
- Biomass estimation;
- Deforestation;
- Real-time mapping of forests;
- Large-scale mapping of forests by UAV clusters;
- Tree type classification in forests;
- Forest fire detection;
- Forest tree disease detection.

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Deadline for manuscript submissions

closed (16 December 2024)

Remote Sensing

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 8.6

mdpi.com/si/127632

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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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