



## Novel Applications of UAV Imagery for Forest Science

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submissions:

**closed (25 April 2024)**

### 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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