



## **UAVs and Satellite Data for Forest Protection: Remote Sensing, Monitoring, Fire Detection and Emergency Management**

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Deadline for manuscript  
submissions:

**closed (31 August 2022)**

### **Message from the Guest Editors**

Dear Colleagues,

Forests are subject to several risks, spacing from illegal logging to desertification and wildfires, which require the employment of complex protection systems that use a broad spectrum of specialized technologies. In this direction, UAVs offer the capability of remotely monitoring vast areas and dynamically responding to emergency scenarios, a feature that ground sensor networks and human operators cannot provide as effectively.

This Special Issue aims at providing an overview of the latest applications and developments in forest protection systems that benefit from aerial drones, also encouraging contributions that combine satellite information and ground data with aerial measurements.

Potential topics of interest include but are not limited to:

- Fire detection;
- UAV patrolling and surveillance systems;
- Formation control;
- Flight control systems;
- Remote sensing hardware design;
- UAV intelligence;
- Data fusion techniques for forest protection;
- Machine learning for pattern recognition and anomaly detection.





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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.

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