...

fire

IMPACT FACTOR
3.0

CITESCORE
3.1

Unmanned Aircraft in Fire Research and Management

Guest Editors:

Dr. Adam C. Watts
Fire and Unmanned Systems, Division of Atmospheric Sciences, Desert Research Institute, 2215 Raggio Parkway, Reno, NV 89512, USA

Dr. Jason W. Karl
Rangeland Ecology, Department of Forestry, Rangeland, and Fire Sciences, College of Natural Resources, University of Idaho 875 Perimeter Drive, MS 1135 Moscow, ID 83844-1135, USA

Deadline for manuscript submissions:
closed (30 June 2020)

Message from the Guest Editors

Dear Colleagues,

Unmanned aircraft systems (UAS) and their payloads are especially well-suited to improve fire management and research. This Special Issue will provide a forum for sharing some of the most up-to-date information regarding the following topics:

- Platforms, systems, and general characteristics of UAS suited for field use in fire science and management
- Case studies of UAS used for fire observation, mapping, suppression, or effects monitoring
- Payloads for remote sensing applications, especially in the context of fire-related applications
- Regulations applicable to the use of UAS both away from the fireline and during active fires. (Submissions may choose to focus on individual large countries with complex airspace regulations such as the USA, or to provide survey and overview of regulations in multiple areas if warranted.)
- Lighting and fighting fires with UAS
- Remote sensing of fire behavior and effects
- Operational monitoring of firelines and UAS use for situational awareness

Dr. Adam C. Watts
Dr. Jason W. Karl
Guest Editors

mdpi.com/si/12688

Special Issue