GeoHazards

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Advances in Applied Wildfire Research

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Wildfires are major ongoing worldwide natural hazard. Urban development and a changing climate are exposing increasing numbers of people, homes and infrastructure worldwide to the risk and impacts of these events. However, ongoing developments in simulation and modeling, remote sensing, data gathering and geospatial intelligence are increasing our ability to understand these events, as well as guide operational wildfire management, recovery and resilience. The abundance of readily available cloud-based computing resources can provide detailed information on wildfires allowing strategies to be developed for their control, management and prevention. This SI covers these themes, with a focus on the latest techniques in wildfire observation, data processing, machine learning, simulation and risk analysis under changing regimes, as well as interrelations between these disciplines and the subsequent impact and outcomes for future wildfires.

For more information, please view the following link:
https://www.mdpi.com/journal/geohazards/special_issues/applied_wildfire