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## Advances in the Assessment of Fire Impacts on Hydrology

Guest Editors:

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Deadline for manuscript  
submissions:

**closed (31 October 2023)**

### Message from the Guest Editors

Wildfires can radically change the hydrologic response of burned watersheds since they remove protective vegetation and disturbances of the soil properties of the area. The destruction of the topsoil organic matter and eco-hydrological processes and functions can increase overland flow, rapid runoff responses, elevated erosion and high loads of sediment and debris delivery to streams, and greater potential for mass movements and landslides. Higher runoff rates and increased soil erosion can lead to flooding and loss of soil productivity.

This Special Issue aims to review and synthesize all the contributions and the newest progress of methodologies and models, assisted by the innovative tools of Remote Sensing and GIS, in post-fire effects on surface hydrology. Also, it intends to describe the fire regime and the nature and duration of post-fire effects on a range of hydrologic features and to propose a research schedule that can address key knowledge gaps in post-fire hydrology.



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# Special Issue