Special Issue

Advances in the Assessment of Fire Impacts on Hydrology

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.

Guest Editors

Dr. Emmanouil Psomiadis
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Dr. Michalis Diakakis

Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

Fire is an international open-access journal about the science, policy, and technology of fires and how they interact with communities and the environment. *Fire* seeks to provide a forum to help the fire science community convey how we can live with fire in a changing world. *Fire* seeks submissions from interdisciplinary studies that take a pyrogeography perspective of fires occurring in natural, cultural, and industrial landscapes and how they interact with communities in the science-policy interface. *Fire*'s Editorial Board are widely recognized international leaders. The journal emphasizes quality and innovation and has a rigorous peer-review process. I strongly recommend *Fire* for the rapid publication of your innovative research publications and case studies.

Editor-in-Chief

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