



fire



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Socio-Ecological Problems of Fire in Rangelands Wrought by Global Change

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Message from the Guest Editors

Rangelands are working landscapes that support both biodiversity and rural livelihoods worldwide. Fire is frequently an influential ecosystem process, but myriad aspects of global change have the potential to disrupt or alter essential ecosystem function. This Special Issue highlights research on the impacts of global change on rangeland fire regimes from both social and ecological perspectives. Wicked Problems related to wildland fire at the interface of rangeland ecosystem integrity and human well-being are addressed by considering how aspects of fire regimes are altered by global change and how specific elements of the fire regime can be managed to mitigate these effects. Relevant aspects of global change can include but are not limited to the following: environmental changes such as average or extremes in temperature, precipitation, or nutrient inputs; invasive plant or animal species, or changes in ecosystem management, that affect the amount, type, condition, and configuration of fuelbeds; changes to land-use from agriculture, forestry, or energy development that contribute to landscape alterations such as fragmentation, settlement patterns, and broad vegetation types.



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Special Issue