Special Issue

Understanding Heterogeneity in Wildland Fuels

Message from the Guest Editors

We are delighted to announce a Special Issue entitled “Understanding heterogeneity in wildland fuels”. Fuel models serve as a go-between between real fuels, with all their complexity and heterogeneity, and the inputs required by fire models. Fire models use fuel data with varying levels of abstraction, both in the specific attributes used to describe fuels, and in spatial resolution, ranging from coarse raster data (30m or larger), used widely in incident support applications, to arrays of 3D voxels of a few meters or less. New mapping data sources and approaches enable us to capture fuel structures and other properties with even finer detail. However, our understanding of the nature and role of fuel heterogeneity is still limited. Wildland fuels are heterogeneous in multiple ways (i.e., composition, structure, condition, and dynamics, to name a few). This Special Issue seeks to explore the topic of fuel heterogeneity, from within-plant, to stand and landscape scales, within the realms of fire science, modeling, and ecology.

Guest Editors

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Deadline for manuscript submissions

closed (20 December 2023)

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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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