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Wildfire Behavior and Risk: From Fundamental Research to Pioneering Modeling Approaches

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Message from the Guest Editors

Dear Colleagues,

Wildfire regimes have shaped ecosystem dynamics in many bio-climatic regions of the world. There is evidence that climate, land use, and socio-economic changes are altering fire regimes and will affect future wildfire patterns in terms of frequency, size, intensity, and seasonality. Accurate predictions of wildfire behavior, spread, and risk are used by land managers and policy-makers to target and optimize prevention, management, and suppression activities and resources. In this Special Issue, we encourage the submission of manuscripts on any field of wildfire behavior and risk, including the effects of environmental factors on wildfire spread and hazards, the strategies for optimizing wildfire management, and the development of wildfire simulation and monitoring techniques and systems, along with new findings and insights that may contribute to expanding our knowledge of wildfire behavior and risk evaluation.

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Special Issue

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Message from the Editorial Board

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