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# Fires and Modelling for Succession in Forests

Guest Editor:

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Deadline for manuscript submissions:

closed (10 December 2021)

## Message from the Guest Editor

Dear Colleagues,

Fire regimes are recurrent extreme perturbations that play a major role in forests. Post-fire vegetation dynamics are highly complex and encompass multiple processes. Alternative successional trajectories may result in sharp vegetation shifts and produce major losses in ecosystem service supplies. Trade-offs among fire resistance, post-fire regeneration, resilience to other stressors and plant competition play different roles. General frameworks and more detailed models for successional dynamic forecast management should developed. and forest be Understanding the interaction between global change drivers and successional dynamics is crucial to anticipate the vulnerability and fate of endangered forests.

This Special Issue is focused on experimental data or models on the processes affecting state transitions and community change following forest wildfires. Original articles and reviews related to this topic are welcome. Specific topics include but are not limited to: potential effects of the changing climate; the role of erosion processes; shifts in ecosystem services; fire-induced deforestation; competition models; non-linear models; exotic species invasions.











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## **Editor-in-Chief**

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# **Message from the Editor-in-Chief**

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network

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