Special Issue

Vegetation Fires, Greenhouse Gas Emissions and Climate Change

Message from the Guest Editors

The aim of this Special Issue is to present current research on fire management practices that lead to a reduction in greenhouse gas emissions, taking into consideration the determinants and effects of fire in each region, and the projected impacts of climate change. In some ecosystems, such as the tropical savannas, reducing gas emissions can be obtained by carrying out controlled burning in the early part of the dry season to prevent more frequent and intense fires later in the dry season. In other ecosystems, such as the temperate forests, prescribed fires are a tool for the long-term reduction of large wildfires and greenhouse gas emissions.

The submission of articles regarding the following topics will be most appreciated: applications of remotely sensed data for fire and vegetation monitoring; estimation of greenhouse gas emissions from vegetation fires; fire dynamics and carbon cycle; spatiotemporal trend analysis of fire incidence at regional and global scales; prescribed fires; land use/land cover–fire relationships; impacts of climate change on fire regimes; drivers of land cover/land use change; fire management practices.

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Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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