Forest Fires Prediction and Detection

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Message from the Guest Editors

Dear Colleagues,

In recent years, the frequency and intensity of global fires has increased, significantly threatening the loss of biodiversity in forest areas. In addition to the loss of biodiversity in these regions, fires negatively affect the economic sector and increase the number of victims. With the most recurrent forest fires and the increase in air temperature and the presence of more intense weather phenomena, in addition to the great anthropic intervention in these regions, forests are, in turn, decreasing their fire resilience capacity and drastically reducing their areas. Understanding the relationships between meteorological elements, remote sensing, and statistical prediction models to associate the degree of fire hazard in these regions is important to understand the effects of climate change on these regions. This will also allow the development of strategic plans for growth and rational use of forest resources.

Special Issue

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