Special Issue

Tropical Forests, Water Cycle, Global Cycles of Greenhouse Gases and Climate Change

Message from the Guest Editors

The consequences of climate change on human societies and terrestrial ecosystems are mainly experienced through changes to the global water cycle. As a result of global climate change, it is urgent to understand how tropical forests will be affected by more frequent and intense climatic extremes. Improvements in data to be used on climate models since the Fifth Assessment Report (AR5-IPCC) are related to inherent climatic model limitations (e.g., atmospheric convection, cloud–aerosol interactions, and land surface processes). Efforts to better understand how tropical forests interact with climate and water cycle and the role of tropical forests in the global cycles of greenhouse gases are urgently needed. Considering the increase in frequency and intensity of natural disturbance regimes and anthropogenic disturbances such as timber extraction, fire, extreme droughts, and the uncertainty on how climate change will affect tropical forests. In this Special Issue, we encourage and welcome studies that improve our understanding of the ecology of tropical forests to hydro-climatic extremes in both data-driven and dynamic vegetation models.

Guest Editors

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Forests (ISSN 1999-4907) is an international and cross-disciplinary, scholarly forestry journal. The distinguished editorial board and refereeing process ensures the highest degree of scientific rigor and review of all published articles. Original research articles and timely reviews are released online, with unlimited free access. Our goal is to have *Forests* be recognized as one of the foremost publication outlets for high quality, leading edge research in this broad and diverse field. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global forestry community.

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