Special Issue

Climate Change and Terrestrial Vegetation Processes

Message from the Guest Editor

Terrestrial vegetation plays a vital role in determining regional and global climate through biogeochemical and biogeophysical processes, and the climate in turn affects ecosystem processes and functions. Improving our understanding on the climate-vegetation interaction is urgent as it forms the science basis that helps make polices to mitigate and adapt the climate change. Models that describe the physical, chemical, and biological processes occurring in the biosphere and the atmosphere are basic science tools for us to investigate the complex coupling between the climate and terrestrial vegetation: including but not limited to, identification and understanding of processes not yet included in the models or unexplored feedbacks that are related to climate and vegetation, newly developments of numerical models of the biosphere-atmosphere system and its components, comprehensive evaluations and comparisons of previously published models of the biosphere-atmosphere system using field and remote sensing observations, and novel model expriments and applications that help improve our understanding on climate change and terrestrial vegetation.

Guest Editor

Prof. Dr. Qinchuan Xin
School of Geography and Planning, Sun Yat-sen University, Guangzhou 510275, China

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Plants
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
plants@mdpi.com

mdpi.com/journal/plants

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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

Editor-in-Chief

Prof. Dr. Dilantha Fernando
Department of Plant Science, University of Manitoba, Winnipeg, MB R3T 2N2, Canada

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