Special Issue

Tree Growth and Physiological Properties under Ongoing Global Climate Change

Message from the Guest Editors

It is known that forest ecosystems, as a significant sink of atmospheric carbon, play a pivotal role in the global carbon cycle, especially under ongoing global climate change (GCC). GCC, characterized by weather and climatic anomalies that primarily include increasing air temperatures and changes in the precipitation distribution during the growing season, significantly affect the provision of forest ecosystem services. GCC also increases forest ecosystems' vulnerability to abiotic and biotic stressors. Therefore, forest adaptation measures promoting tree/ecosystem resistance, resilience, vitality, growth, stability, and sustainability of material and energy fluxes are necessary to ensure secure and sustainable producing and non-producing forest functions. New original research and review papers devoted to "carbon forestry" worldwide will be appreciated and are encouraged to be published in this Special Issue. Potential topics:

- Adaptation strategy;
- Anatomical/Physiological/Morphological adaptability;
- Carbon sequestration;
- GCC mitigation;
- Multiple ecosystem services;
- Resource use;
- Resilience/Resistance of tree species;
- Sustainable forest management.

Guest Editors

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Deadline for manuscript submissions

closed (31 August 2024)

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Message from the Editor-in-Chief

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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