

Special Issue

The Relationship Between Forest Vegetation and Water and Its Regulation in Changing Environments

Message from the Guest Editors

Extensive afforestation has contributed to the mitigation of some environmental problems, but has also led to severe soil water deficit and water yield reduction. In water-limited regions especially, forest growth is gradually limited by the coupled effects of excessive tree density and water shortages; such water use conflicts are likely to be further exacerbated by climate change, particularly global warming. This Special Issue aims to present an overview of the most recent advances in the field of the hydrological impacts and responses of forests to changes in water-related conditions in diverse spatiotemporal scales. Papers of all theoretical, methodological, and practical studies on forest–water relationships and management are welcomed:

- Water use through evaporation and/or transpiration;
- Hydrological modelling;
- Impact of afforestation on the hydrological process and water yields;
- Tree water use strategy;
- Forest growth and water use;
- Vegetation carrying capacity of water resources;
- Coupled climate–landform–soil–vegetation–water processes;
- Integrated forest–water management.

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About the Journal

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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