



water



an Open Access Journal by MDPI

Water and Nutrient Balance, Flow/Loading Dynamics in Forest System

Guest Editors:

Dr. Devendra M. Amatya

PhD, PE, Research Hydrologist,
USDA Forest Service, Center for
Forested Wetlands Research,
Cordesville, South Carolina, USA

Dr. Jamie E. Nettles

PhD, Research Hydrologist,
Weyerhaeuser Company,
Columbus, Mississippi, USA

Prof. Dr. Mohamed Youssef

PhD, Professor, Biological and
Agricultural Engineering
Department, North Carolina
State University, Raleigh, North
Carolina, USA

Deadline for manuscript
submissions:

closed (31 March 2019)

Message from the Guest Editors

Dear Colleagues,

Forests are an integral component of the landscape, and maintaining their functional integrity is fundamental for the sustainability of ecosystems and societies alike. Forests play an important role in regulating the regional, continental, and global hydrologic and nutrient cycles and patterns. Forests in headwaters, as well as downstream riparian systems, affect net ecosystem water balance, carbon sequestration, and greenhouse gas emissions, mitigating and being modified by climate change. Anthropogenic and natural disturbances to forest ecosystems may alter water and nutrient balances in ways that affect biodiversity, water quality, and human health as well as the global climate. Fossil fuel reduction efforts may drive cellulosic-based bioenergy crop production in managed forests, altering water and nutrient balance as well as biodiversity, but only a limited information is available in the literature. [...]

For further reading, please follow the link to the Special Issue Website at:

http://www.mdpi.com/journal/water/special_issues/Nutrient_Dynamics_Forest



mdpi.com/si/16439

Special Issue



water



an Open Access Journal by MDPI

Editor-in-Chief

Dr. Jean-Luc PROBST

Laboratory of Functional Ecology and Environment, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, France

Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, PubAg, AGRIS, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q2 (*Water Resources*) / CiteScore - Q1 (Water Science and Technology)

Contact Us

Water Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/water
water@mdpi.com
[X@Water_MDPI](https://twitter.com/Water_MDPI)