



water

an Open Access Journal by MDPI



Modeling Global Change Impacts on Water Resources: Selected Papers from the 2019/2020 SWAT International Conferences

Guest Editors:

Dr. Paul Wagner

pwagner@hydrology.uni-kiel.de

Prof. Dr. Balaji Narasimhan

nbalaji@iitm.ac.in

Dr. Javier Senent Aparicio

jsenent@ucam.edu

Dr. Abeyou W. Worqlul

aworqlul@brc.tamus.edu

Deadline for manuscript
submissions:

closed (31 October 2020)

Message from the Guest Editors

Dear Colleagues,

Global change strongly affects water resources, impairing both water quantity and water quality. Assessments of the hydrologic impacts of climate change and land use change are, therefore, carried out in many parts of the world. However, the simultaneous effect of the two stressors on water resources is not often comprehensively investigated. Do impacts of land use and climate change add up or do they balance out on the catchment scale? We welcome modeling studies that use SWAT or APEX to assess global change impacts on the catchment scale. These may incorporate the use of climate and land use change scenarios for future predictions, as well as the assessment of past impacts. The use of climate model ensembles and land use model predictions is encouraged to address the uncertainty associated with global change impact assessments. Studies may focus on all kinds of water, sediment, and nutrient fluxes. We also invite contributions with a methodological focus. We sincerely hope that these research papers contribute to a better understanding, assessment, and modeling of global change impacts on water resources.

Guest Editors



mdpi.com/si/28461

Special Issue



water



an Open Access Journal by MDPI

Editor-in-Chief

Dr. Jean-Luc PROBST

ECOLAB, 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](#), [AGRICOLA](#), [AGRIS](#), [CAPlus / SciFinder](#), [Inspec](#), and many [other databases](#).

Journal Rank: [JCR](#) - Q2 (*Water Resources*) / [CiteScore](#) - Q1 (*Geography, Planning and Development*)

Contact Us

Water
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com

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