Special Issue

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

Message from the Guest Editors

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

Dr. Paul Wagner

Prof. Dr. Balaji Narasimhan

Prof. Dr. Javier Senent Aparicio

Dr. Abeyou W. Worqlul

Deadline for manuscript submissions

closed (31 October 2020)

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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.

Editor-in-Chief

Dr. Jean-Luc PROBST
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