Special Issue

Impacts of Landscape Change on Water Resources

Message from the Guest Editor

Continuous changes in land use and land cover can have many drivers, including population growth, urbanization, demand for food, evolution of socio-economic structure, policy regulations, and climate variability. Potential impacts due to these changes could range from changes in water availability (due to changes in losses of water to evapotranspiration and recharge) to degradation in water quality (increased erosion, salinity, chemical loadings, and pathogens). Fields studies are conducted to understand this complexity at local scales, while analyses at regional or watershed scales adopt modeling and simulation strategies. A range of tools, including hydrological, biophysical, ecosystem models are used (stand alone or in combination) to investigate important questions regarding impacts in order to inform the decision making process. In this Special Issue, we will include research and discussion topics from field investigations, as well as analytical and modeling studies to better understand the connection between landscape change and water resources at various scales.

Guest Editor

Prof. Dr. Manoj K. Jha

Department of Civil Engineering, North Carolina A&T State University, Greensboro, NC 27411, USA

Deadline for manuscript submissions

closed (15 January 2020)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/15729

Water
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

mdpi.com/journal/water

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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
Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, France

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