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Multiscale Impacts of Anthropogenic and Climate Changes on Tropical and Mediterranean Hydrology

Guest Editors:

Dr. Luc Descroix

Dr. Gil Mahé

Dr. Alain Laraque

Dr. Olivier Ribolzi

Dr. Guillaume Lacombe

Deadline for manuscript submissions:
closed (31 July 2020)

Message from the Guest Editors

Dear Colleagues,

In most Tropical and Mediterranean areas, landscapes, soils and territories are experiencing new vulnerabilities, facing global warming and profound changes in terms of land use. Long droughts, dry spells, rainfall intensification, and an increase in number of storms and cyclones make agriculture as well as land management and water and sediment control more difficult. In many regions, the population increase is too strong to allow cropping and rural activities to easily reach a “boserupian” behavior. The intensification of the climatic cycle commonly leads to an acceleration of the hydrological cycle, increasing the occurrence of flooding, inundation, as well as droughts and water shortages. Human actions and overall rural activity can strongly modify water runoff and infiltration, then water balance, by increasing infiltration and buffering the water cycle, or on the contrary, by increasing runoff and accelerating the water cycle.[...]

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Tropical_Mediterranean_Hydrology

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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

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.

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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