



Impacts of Anthropogenic Activities on Watersheds in a Changing Climate

Guest Editors:

**Prof. Luís Filipe Sanches
Fernandes**

Department of Engineering,
University of Trás-os-Montes and
Alto Douro, Portugal

lfilipe@utad.pt

**Prof. Fernando António Leal
Pacheco**

Department of Geology,
University of Trás-os-Montes and
Alto Douro, Portugal

fpacheco@utad.pt

Deadline for manuscript
submissions:

24 April 2019

Message from the Guest Editors

Dear Colleagues,

In developed and developing countries, watersheds have been and are still subject to multiple anthropogenic pressures, at progressively accelerated paces. Meanwhile, the climate has changed and continues to change. Steadily increasing temperatures and decreasing precipitation in some regions are expressions of this change. The coupled influence of climate change and anthropogenic pressures, including land use changes, continue to produce a significant impact on watersheds, because both circumstances induce an amplification of hydrologic events, namely, floods, droughts, a decline in aquifer recharge, and the deterioration of water quality and ecosystems. The impact includes water erosion, a decline in soil fertility, a shortage of groundwater resources, and a disturbance of ecosystem functions, among others.

The purpose of this Special Issue is to allow authors the publication of retrospective or prospective studies focused on the coupling of climate change and environmental impact assessments at the catchment scale. Studies on the direct influence of climate change on water resources are also welcome, as well as studies on the environmental impact of anthropogenic activities in multiple-use watersheds. [...]

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

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





water

IMPACT
FACTOR
2.069

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Arjen Y. Hoekstra

Twente Water Centre, University
of Twente, Enschede, The
Netherlands

Message from the Editor-in-Chief

The relevance of water in human development and sustaining life, fuels general and scholarly interest in the world's water resources. A better understanding of all aspects of water and its relation to food supply, energy production, human health, and the functioning of ecosystems is key in managing this precious resource in a sustainable, efficient and equitable manner. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications. 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 by the **Science Citation Index Expanded** (Web of Science), Ei Compendex and other databases.

CiteScore 2017 (Scopus): **2.29**, which equals rank 37/191 (Q1) in the category 'Water Science and Technology' and 43/199 (Q1) in 'Aquatic Science'.

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