



water



an Open Access Journal by MDPI

Soil Hydrology for a Sustainable Land Management: Theory and Practice

Guest Editors:

Prof. Dr. Artemi Cerdà

artemio.cerda@uv.es

Dr. Simone Di Prima

sdiprima@uniss.it

Dr. Mirko Castellini

mirko.castellini@crea.gov.it

Dr. Jesús Rodrigo-Comino

rodrigo-comino@uma.es

Deadline for manuscript
submissions:

closed (30 April 2019)

Message from the Guest Editors

Dear Colleagues,

Soil hydrology determines the flow of water in the Earth's system. Soil acts as an interface within the atmosphere and lithosphere, and regulates the runoff discharge, aquifer recharge and soil water content. Soil hydrology also affects the life, plant growth and soil fauna. This is why soil hydrology is a key component to achieving sustainable management. Land use changes and land management alters the soil hydrology. There is a need to develop new methods to assess those changes from a soil hydrology perspective. This Special Issue is open to advanced research on soil infiltration, soil water content, runoff discharge at different scales (from the pedon to the basin scale), plant–soil and fauna–soil relationships, and soil erosion. We wish to compile research works that will show the state-of-the-art, but also recent and advanced achievements. Theoretical, methodological and study case papers are welcome.



mdpi.com/si/18641

Special Issue

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](#)