Special Issue

Challenges in Supplying Safe Drinking Water in Rural Communities

Message from the Guest Editor

The geography, economics, and land-use in rural communities often render the provision of safe onsite or centralized drinking water challenging. Not surprisingly, rural regions in both the developed and developing world generally lag behind urban areas with regards to access to reliable infrastructure that can provide point of use drinking water for meeting national and global health standards. Without effective water treatment, rural communities are potentially more vulnerable to source water quality changes accompanying land-use changes, such as increased agricultural activity or resource extraction. This Issue aims to do the following: (1) critically discuss and examine the geographic and socio-economic challenges framing the development of a sustainable rural water infrastructure; (2) describe the waterborne exposome (i.e., microbial and chemical contaminants) of rural communities in a variety of national and climatic landscapes; and (3) propose potential innovative strategies and/or systems designs to improve access to reliable and high-quality water at point of use.

Guest Editor

Prof. Dr. Leign-Anne H. Krometis

Virginia Polytechnic Institute and State University, Department of Biological Systems Engineering, Blacksburg, VA, United States

Deadline for manuscript submissions

closed (31 August 2020)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/27639

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

mdpi.com/journal/water

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/journal/water

About the Journal

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

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, PubAg, AGRIS, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank:

JCR - Q2 (Water Resources) / CiteScore - Q1 (Aquatic Science)

MDPI