



water

an Open Access Journal by MDPI



Water Disinfection: Safe Water for All

Guest Editor:

Prof. Dr. José Alberto Herrera-Melián

Department of Chemistry,
University of Las Palmas de Gran
Canaria, 35017 Canary Islands,
Spain

Deadline for manuscript
submissions:

closed (31 October 2019)

Message from the Guest Editor

Dear Colleagues,

In developing countries, diarrhea caused by ingesting contaminated water continues to be a cause of important mortality in children. Although there are many methods capable of disinfecting water, both physical and chemical, the most commonly used are UV radiation, ozone and chlorine. Although the first two may be preferable to chlorine because they do not add flavor to water, and the formation of chlorinated products is negligible, their lower efficiency and higher economic cost reduce their applicability. Chlorine, in its different chemical forms, has many advantages, namely low economic cost, efficiency, and above all the permanence of a residual chlorine that helps to prevent future reinfections. However, the production of carcinogenic compounds such as trihalomethanes has generated distrust and concern. Therefore, it is essential to develop disinfection methods that are efficient, economical and easily applicable, that allow access to safe drinking water and the treatment of wastewater with sufficient health guarantees.

Prof. Dr. José Alberto Herrera-Melián
Guest Editor

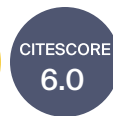


mdpi.com/si/16504

Special Issue



water



an Open Access Journal by MDPI

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

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

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

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](https://twitter.com/Water_MDPI)