



## Application of Risk Management and Modelling on Drinking-Water and Sanitation Systems

Guest Editors:

### Dr. Katherine Pond

Center for Environment and Health Engineering, Department of Civil and Environmental Engineering, University of Surrey, Guildford GU2 7XH, UK

### Dr. Susan Hughes

Department of Civil and Environmental Engineering, University of Surrey, Guildford GU2 7XH, UK

Deadline for manuscript submissions:  
**closed (22 February 2022)**

### Message from the Guest Editors

Drinking-water and sanitation systems are key components in the protection of human health. Water quality is the end point of the pressure applied by critical drivers of vulnerability and, at the same time, the start point of an increased risk of water-related illnesses. Vulnerability drivers include climate, land use, overexploitation of resources, unsafe use of new sources of water, urban/rural population, and assets. In order to strengthen these systems, there is a need to model dynamic, adaptive measures that will consider all risk elements and be able to cope with a wide range of scientific disciplines. It is not only a problem of engineering or financial investments but of building a long-term risk management approach with consensus from stakeholders at all levels. This Special Issue of *Resources* deals with research related to risk management and modelling of water and sanitation systems. Papers in this area which address the pressures on drinking water systems and those which present measures to mitigate potential health implications associated with water quality and sanitation systems are warmly welcomed.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Benjamin McLellan

Graduate School of Energy  
Science, Kyoto University,  
Yoshida-honmachi, Sakyo-ku,  
Kyoto 606-8501, Japan

## Message from the Editor-in-Chief

Responsible prosperity is underpinned by sustained access to resources. *Resources*, publishes excellent science and scholarship which transforms understanding, practices and policies for conserving all natural resources—from water, land and air; to plant and animal biodiversity; to minerals and energy and their interconnection across scales. Significantly, we invite high quality submissions from natural and social sciences.

Build impact from your research by submitting to *Resources*, an open-access journal connecting you with data, insights, ideas and evidence needed to shape a better world.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, ESCI (Web of Science), GEOBASE, GeoRef, PubAg, AGRIS, RePEc, and other databases.

**Journal Rank:** JCR - Q2 (Environmental Sciences) / CiteScore - Q1 (Nature and Landscape Conservation)

## Contact Us

---

Resources Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/resources](http://mdpi.com/journal/resources)  
[resources@mdpi.com](mailto:resources@mdpi.com)  
[X@resources\\_mdpi](https://twitter.com/resources_mdpi)