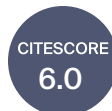




*water*

an Open Access Journal by MDPI



## About an Important Phenomenon—Water Hammer

Guest Editors:

**Dr. Kamil Urbanowicz**

Department of Mechanical  
Engineering and Mechatronics,  
West Pomeranian University of  
Technology Szczecin, Piastów 19,  
70-310 Szczecin, Poland

**Prof. Dr. Helena M. Ramos**

Department of Civil Engineering,  
Architecture and Environment,  
CERIS, Instituto Superior Técnico,  
University of Lisbon, 1049-001  
Lisbon, Portugal

Deadline for manuscript  
submissions:

**closed (30 June 2023)**

### Message from the Guest Editors

Dear Colleagues,

When flow in pipes under pressure is forced to stop, start or change direction, suddenly, wave propagation associated with the water hammer phenomena takes place. This phenomenon never used to be as popular as it is today. Due to the importance of this issue in regard to practical engineering, the number of works related to this complex topic is systematically increasing from year to year.

From a historical point of view, engineers have contended with water hammer since the invention and use of pipes for transporting liquid from one place to another. Over 2000 years ago, Marcus Vitruvius Pollio had already described the effects of water hammer and cavitation on clay and lead pipelines supplying water to the contemporary water supply systems being built by the Romans. [...]

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

[https://www.mdpi.com/journal/water/special\\_issues/water\\_hammer](https://www.mdpi.com/journal/water/special_issues/water_hammer)



[mdpi.com/si/96220](https://mdpi.com/si/96220)

# 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](http://www.mdpi.com)

[mdpi.com/journal/water](http://mdpi.com/journal/water)  
[water@mdpi.com](mailto:water@mdpi.com)  
[X@Water\\_MDPI](https://twitter.com/Water_MDPI)