

## Special Issue

# Biofiltration and Physicochemical Filtration for Water Treatment

### Message from the Guest Editor

This issue of the journal is focused on the treatment of all types of effluents through filtration: Drinking water, urban wastewater, industrial wastewater and stormwater. The focus of the papers can take into consideration different benefits in terms of sustainability: contaminants removal, by-products recovery, energy efficiency and cost, carbon footprint. We encourage submissions reporting findings on elimination of emergent contaminants, heavy metals or specific contaminant organic compounds. Both physical-chemical or microbiological testing approaches are welcome. The optimisation of operational conditions is also a very interesting point: Washing (frequency, protocols, intensity), evolution of head loss, optimum aeration, pH and redox potential control, material loss, reagents dosification (influence on efficiency and costs, optimum point of dosification), impact of returns on efficiencies. Finally, we encourage submissions analysing different materials as filtering medium.

### Guest Editor

Prof. Dr. Francisco Osorio

Department of Civil Engineering, Universidad de Granada, Granada, Spain

### Deadline for manuscript submissions

closed (28 February 2021)



## Water

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.0  
CiteScore 6.0

---



[mdpi.com/si/20136](https://mdpi.com/si/20136)

*Water*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[water@mdpi.com](mailto:water@mdpi.com)

[mdpi.com/journal/](https://mdpi.com/journal/)

[water](https://mdpi.com/journal/water)





# Water

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.0  
CiteScore 6.0



[mdpi.com/journal/  
water](https://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)