

## Special Issue

# Mathematical Modelling and Model Analysis for Wastewater Treatment

### Message from the Guest Editors

In the current context of the potable water crisis, the need to treat wastewater such that it can be reused in various fields of activity is becoming increasingly evident. Before wastewater can enter treatment stations, it is necessary to conduct quality analysis that presupposes, in most cases, the use of polluting chemicals. For this reason, the mathematical modeling of wastewater analysis and/or treatment processes could be an eco-friendly analysis and control solution for both monitoring and treatment processes. Therefore, this Special Issue aims to highlight original research and review articles on Mathematical Modelling and Model Analysis for Wastewater Treatment. Manuscripts should consider innovative and integrated research on mathematical modelling and model analysis applied to wastewater analysis.

---

### Guest Editors

**Dr. Mihaela Timofti**

1. Department of Chemistry, Physics and Environment, Faculty of Sciences and Environment, Dunarea de Jos University of Galati, 800008 Galati, Romania
2. REXDAN Research Infrastructure, Dunarea de Jos University of Galati, 800008 Galati, Romania

**Dr. Ashwani Kumar Tiwari**

School of Environmental Sciences, Jawaharlal Nehru University, New Delhi 110 067, India

---

### Deadline for manuscript submissions

closed (31 July 2023)



## Water

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.0  
CiteScore 6.0



[mdpi.com/si/159035](https://mdpi.com/si/159035)

*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](#)





# 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)