

## Special Issue

# New Approaches to Water Treatment: Challenges and Trends

### Message from the Guest Editors

The objective of this Special Issue is to gain insights into the main challenges and trends related to water treatment (e.g., drinking water, rainwater, desalination, wastewater, etc.). Articles focused on the development of new technologies and digitalization in water treatment are also of interest. We welcome the submission of original research articles, both methodological and experimental, and reviews covering all issues related to the above-mentioned topic. Possible topics include (but are not limited to) the following:

- Drinking water treatment;
- Desalination;
- Rainwater purification systems;
- Wastewater treatment;
- Reclaimed water and wastewater reuse;
- Modelling and simulation;
- Digitalization;
- Water–energy nexus;
- Energy optimization,

For more information on the Special Issue, please visit [LINK](#)

[https://www.mdpi.com/journal/applsci/special\\_issues/S\\_T0099H790](https://www.mdpi.com/journal/applsci/special_issues/S_T0099H790)

---

### Guest Editors

Dr. Luz Marina Ruíz

Department of Civil Engineering, School of Civil Engineering, Canals and Ports, University of Granada, Fuentenueva University Campus (Polytechnic Building), 18071 Granada, Spain

Prof. Dr. Miguel Ángel Gómez

Department of Civil Engineering, School of Civil Engineering, Canals and Ports, University of Granada, Fuentenueva University Campus (Polytechnic Building), 18071 Granada, Spain

---

### Deadline for manuscript submissions

closed (20 January 2025)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/187322](https://www.mdpi.com/si/187322)

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

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





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



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



## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

---

### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

---

### 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, Inspec, Embase, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )