

## Special Issue

# New Technologies for Water Quality: Treatment and Monitoring

### Message from the Guest Editor

This Special Issue aims to cover all related aspects of new technologies for water quality, i.e., treatment, monitoring, their development, implementation, characterization, validation, application, etc. The growing presence of emerging contaminants that cannot be effectively removed using conventional treatment technologies and methods has created an urgent need for innovative solutions. Water quality treatment and monitoring technologies are based on advanced systems with purification and analytical capabilities that enable real-time assessment and improvement of water quality parameters, particularly for challenging contaminants such as pharmaceuticals, personal care products, microplastics, and endocrine disrupting compounds. These new technologies are being developed for many different applications to address the most critical needs in areas such as environmental protection, public health, industrial process control, and sustainable water management.

### Guest Editor

Dr. Manolia Andredaki

School of Civil Engineering and Built Environment, Liverpool John Moores University (LJMU), Liverpool, UK

### Deadline for manuscript submissions

30 December 2025



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/242857](https://mdpi.com/si/242857)

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

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





# 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, CAPlus / SciFinder, and other databases.

#### Journal Rank:

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