



## Application of Multifunctional Materials in Water Treatment

Guest Editors:

**Dr. Ning Li**

School of Environmental Science and Engineering, Tianjin University, Tianjin 300354, China

**Prof. Dr. Xiuwen Cheng**

Key Laboratory for Environmental Pollution Prediction and Control, College of Earth and Environmental Sciences, Lanzhou University, Lanzhou 730000, China

**Prof. Dr. Yanbiao Liu**

College of Environmental Science and Engineering, Donghua University, Shanghai 201620, China

### Message from the Guest Editors

This Special Issue is devoted to applications of multifunctional materials in water treatment. Environment functional material has played an important role in water treatment including organic and inorganic contaminants removal. Novel adsorbents, catalysts and membranes are welcomed for water treatment. Accordingly, the adsorption, advanced oxidation and filtration systems will be considered in this issue. The preparation methods, performance of multifunctional materials and related mechanism for wastewater remediation will be discussed. Moreover, the process design is crucial for the practical applications of multifunctional materials in water treatment. In particular, the coupling systems of any two technologies are of interest. This Special Issue will publish communications, full text papers and critique reviews.

Deadline for manuscript submissions:

**closed (30 April 2023)**





an Open Access Journal by MDPI

## Editor-in-Chief

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

## 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.

## 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), Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

## Contact Us

---

Applied Sciences Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[applsci@mdpi.com](mailto:applsci@mdpi.com)  
[X@Applsci](#)