

## Special Issue

# Fate, Treatment and Impact of Natural and Synthetic Compounds

### Message from the Guest Editors

Rapid urbanization and the frequent disposal of wastewater to surface water both cause the widespread contamination of water supplies with emerging contaminants, such as pharmaceuticals, pesticides, surfactants, heavy metals, rare earth elements and endocrine disruptors, including hormones. Although these compounds may be present at trace levels, their adverse effects on aquatic life, animals and even humans are a growing concern. Therefore, the interest of this Special Issue would be in gathering the knowledge about those components, their fate and possible treatment, mechanisms and biomarkers related to an animal's capacity to cope with them, and possible strategies for the management and biomonitoring of their negative effects.

---

### Guest Editors

Prof. Dr. Caterina Faggio  
Prof. Dr. Valbona Aliko  
Dr. Marko Prokic

---

### Deadline for manuscript submissions

closed (31 May 2022)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/73296](https://mdpi.com/si/73296)

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

[applsci](https://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 )