

## Special Issue

# Monitoring and Chemical Analysis for a Sustainable Environment

### Message from the Guest Editor

Environmental sustainability represent a critical issue that has gained significant attention in recent years, as the world grapples with the pressing challenges posed by climate change, resource depletion, and the need for a green future. Monitoring and chemical analysis for a sustainable environment highlight the scale and urgency of these environmental challenges, underscoring the importance of developing innovative solutions to achieve sustainable development. We are interested in articles that explore the current state of environmental issues in relation to analytical chemistry, the role of technology innovation in addressing them and the developed appropriate analytical techniques addressing sampling, preparation, and analysis. Potential topics include, but are not limited to, the following:

- Determination of contaminants present in water, soil, and air;
- New analytical techniques for environmental monitoring and remediation;
- The use of big data and artificial intelligence in environmental analytical chemistry.

---

### Guest Editor

Prof. Dr. Heidis Cano

Department of Civil and Environmental Engineering, Universidad de la Costa, Barranquilla 080002, Colombia

---

### Deadline for manuscript submissions

closed (20 November 2025)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/218713](https://mdpi.com/si/218713)

*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 )