

Special Issue

Advances in Environmental Monitoring and Radiation Protection

Message from the Guest Editors

This Special Issue aims to highlight recent advancements in environmental monitoring techniques and radiation protection strategies. It covers innovative methodologies for detecting and assessing environmental pollutants, radiological hazards, and their impact on ecosystems and human health. Topics of interest include cutting-edge sensor technologies, remote sensing applications, data-driven modeling approaches, and risk assessment frameworks for radiation exposure. Additionally, this issue explores regulatory developments, mitigation strategies, and best practices in radiation safety across various sectors, including nuclear energy, medical applications, and industrial processes. Contributions addressing emerging challenges, such as climate change-driven radiological risks and novel remediation techniques, are particularly encouraged. This Special Issue welcomes original research, reviews, and case studies that enhance scientific understanding and policy development in environmental monitoring and radiation protection.

Guest Editors

Dr. Ileana Radulescu

Department of Life and Environmental Physics (DFVM), Horia Hulubei National Institute for Physics and Nuclear Engineering, 30 Reactorului Street, 077125 Magurele, Romania

Prof. Dr. Alina Catrinel Ion

Department of Analytical Chemistry and Environmental Engineering, Faculty of Chemical Engineering and Biotechnologies, National University of Science and Technology POLITEHNICA Bucharest, 1-7 Polizu Str., 011061 Bucharest, Romania

Deadline for manuscript submissions

30 May 2026



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/233770

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

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)