Special Issue

Advances in Landfill Leachates Treatment

Message from the Guest Editors

Landfill leachate is a highly contaminated liquid formed when water seeps through solid waste, creating significant environmental and technical challenges due to its complex composition. It often contains high levels of organic matter, ammonia, heavy metals, xenobiotic compounds, and inorganic salts. Recent years have seen growing environmental regulations and sustainability concerns, prompting advancements in leachate treatment that shift from traditional methods to more innovative solutions. Effective management of landfill leachate is critical to prevent environmental contamination, especially of soil and water resources. Recent developments focus on improving the efficiency, sustainability, and cost-effectiveness of existing technologies while addressing conventional methods' limitations.

This Special Issue is dedicated to presenting cutting-edge research, practical applications, and emerging trends in landfill leachate treatment. It aims to emphasize the transition toward sustainable management practices and offer insights into future directions for optimizing treatment efficiency, reducing environmental impact, and ensuring compliance with regulatory standards.

Guest Editors

Dr. Eleni Grilla

Dr. Petros A. Kokkinos

Prof. Dr. Ioannis K. Kalavrouziotis

Deadline for manuscript submissions

25 February 2026

Environments

an Open Access Journal by MDPI

Impact Factor 3.7
CiteScore 5.7

mdpi.com/si/243461

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

mdpi.com/journal/environments

Environments

an Open Access Journal by MDPI

Impact Factor 3.7
CiteScore 5.7

mdpi.com/journal/environments

About the Journal

Message from the Editor-in-Chief

Environmental issues are quickly becoming central political, economic and academic topics of the twenty-first century. A large number of modern challenges are directly or indirectly caused by complex interactions between environmental issues. Such issues require interdisciplinary research, knowledge and insights to understand and, ultimately, for solutions to be found. Through the journal Environments, we strive to create a platform for meaningful discourse by accepting contributions from a wide range of fields. We sincerely hope you will consider publishing your distinguished work in this highly-accessible, peer-reviewed journal.

Editor-in-Chief

Prof. Dr. Sergio Ulgiati
1. Department of Science and Technology, Parthenope University of Naples, Centro Direzionale, Isola C4, 80143 Napoli, Italy
2. School of Environment, State Key Joint Laboratory of Environment Simulation and Pollution Control, Beijing Normal University, No. 19 Xinjiekouwai Street, Beijing 100875, China

Author Benefits

High Visibility:

indexed within Scopus, ESCI (Web of Science), PubAg, AGRIS, GeoRef, and other databases.

Journal Rank:

JCR - Q2 (Environmental Sciences) / CiteScore - Q1 (Ecology, Evolution, Behavior and Systematics)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.2 days after submission; acceptance to publication is undertaken in 3.4 days (median values for papers published in this journal in the first half of 2025).

MDPI