

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.

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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.

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