## **Special Issue**

## Advanced Technologies in Landfills

## Message from the Guest Editors

Over the past few decades, the rapid increase in the global annual production of solid wastes. Up to now, sanitary landfills have been the main method of solid waste disposal all around the world. Advanced landfill technologies have been developed to ensure the safe and stable operation of landfills, and to effectively process the leachate, gas and heat generated by landfills, thereby realizing resource utilization. This Special Issue concerning the advanced technologies in landfills is therefore proposed. The following are some of the major areas which could be addressed in this Special Issue:

- Composite liner performance;
- Closure cover:
- Cutoff wall:
- Slope stability;
- Stabilization of solid wastes:
- Leachate treatment;
- Gas collection;
- Heat recovery:
- Resource utilization;
- Land contamination and remediation;
- Laboratory and field testing methods;
- Field monitoring;
- Environmental assessment;
- New and emerging issues and technologies.

**Keywords:** landfill; municipal solid waste; fly ash; composite liner; slope stability; closure cover; leachate treatment; gas collection; heat recovery

## **Guest Editors**

Dr. Shi Shu

Geotechnical Engineering Research Institute, Hohai University, Nanjing 210024, China

Dr. Yuping Li

Geotechnical Engineering Research Institute, Hohai University, Nanjing 210024, China

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

mdpi.com/journal/applsci





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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 multidimensional network.

## Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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