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Study and Design of Municipal Solid Waste Landfill

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Deadline for manuscript submissions:
closed (28 February 2022)

Message from the Guest Editors

The aim of this Special Issue is to investigate the performance of municipal solid waste landfills. This may include the following aspects: contaminant transport in landfill liner systems, gas and water transport in landfill cover systems, preferential flow in solid waste landfills, detection technologies for the leakage of landfill barrier systems, gas emission control of landfill, engineering properties of municipal solid wastes, interface properties of landfill barrier systems, groundwater and soil pollution induced by landfill leachate transport, settlement and stability of landfills and leachate characteristics, etc. Studies on emerging pollutants including microplastics and perfluoroalkyl and polyfluoroalkyl substances in the landfill leachate, centrifuge modeling of landfill stability, and dynamic properties of municipal solid wastes and landfill barrier systems are particularly welcomed. The remediation technologies for existing uncontrolled landfill are also a very import aspect of this Special Issue.

Keywords:

- landfill
- leachate
- landfill gas
- liner system
- cover system
- geosynthetics
- landfill settlement

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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.

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