



Study and Design of Municipal Solid Waste Landfill

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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 important 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

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