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Sustainability in Geotechnics

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Deadline for manuscript
submissions:
closed (30 April 2024)

Message from the Guest Editors

Dear Colleagues,

Human development and the development of societies have posed huge challenges to geotechnics. Since the adoption of the Sustainable Development Goals established in the United Nations Agenda 2030 (adopted in 2015), it has become imperative to seek sustainable solutions that respect the environment and contribute to the mitigation of climate change, without compromising the safety and stability of structures. Therefore, papers focusing on new materials, technologies or approaches related to the sustainability of geotechnical works are welcomed.

Suitable topics for this Special Issue include, but are not limited to:

- Sustainability in geotechnics;
- Climatic effects in geotechnical works;
- Environmental geotechnics;
- Use of smart materials, smart soils and smart geosynthetics;
- Nature- and bio-based materials;
- Use of nanotechnology in geotechnics;
- Use of artificial intelligence techniques in geotechnics;
- New constitutive soil models and computer modelling;
- Behavior of new and sustainable geomaterials;
- Energy geotechnics;
- New technologies for the design, construction and survey of geotechnical works.



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Special Issue



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Editor-in-Chief

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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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