



Advances in Sustainable Geotechnical Engineering and Civil Engineering

Guest Editor:

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Message from the Guest Editor

This Special Issue presents two perspectives on sustainability in geotechnical and civil engineering. The first section considers the role of innovations and practices within geotechnical/civil engineering in achieving the United Nations Sustainable Development Goals (UN SDGs), while the second section focuses on sustainable methods within geotechnical/civil engineering.

With respect to geotechnical/civil engineering, emphasis is placed on submissions that can demonstrate how the profession contributes towards accomplishing the following ideals of the UN SDGs: Affordable and clean energy; innovations involving research and industry practices; sanitation and water management; cities and communities that are sustainable and/or smart; mitigation of climate change; conservation and restoration of natural resources and the environment (land, forests, water bodies, and biodiversity).

In regard to exploring how the practice of geotechnical and civil engineering can be made sustainable, the emphasis is on the methods employed in geotechnical/civil engineering, covering areas such as digital solutions and technology, materials engineering, and construction management and costs. Innovations and best practices involving but not limited to the following techniques can be presented: Building Information Modeling (BIM), Geographical Information Systems (GISs), geological modeling, digital rock mapping, and laser scanning.





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Message from the Editor-in-Chief

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