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# Advancing Sustainability in Geotechnical Engineering

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Geotechnical engineering is a key element linking engineering construction with the earth, including foundation engineering, slope engineering, tunnel engineering, mining engineering, etc. To promote the sustainable development of geotechnical engineering, it is necessary to fully utilize the bearing capacity of rock and soil mass; reduce the amount of building materials with high carbon emissions, such as concrete and reinforcement; and minimize the workload. To achieve engineering construction objectives, it has become a hot topic of global concern to modify rock and soil mass; improve the anti-floating, anti-flood, and anti-seismic capabilities of geotechnical engineering; and avoid polluting, damaging, and influencing the ecological environment around geotechnical engineering sites.

The aim of 'Advancing Sustainability in Geotechnical Engineering' was to require geotechnical engineers to actively respond to various natural disasters, implement energy conservation and emission reduction, and achieve friendly, coordinated and sustainable development of geotechnical engineering and the ecological environment during the investigation, design, and construction processes. In addition, in this Special Issue, we hope to showcase original and innovative research papers highlighting the most challenging new methods, materials, equipment, and techniques relevant to promoting sustainable development in geotechnical engineering.

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