applied sciences

IMPACT FACTOR 2.5

CITESCORE 5.3

an Open Access Journal by MDPI

Mechanical Properties and Engineering Applications of Special Soils

Guest Editors:

Prof. Dr. Xianwei Zhang
State Key Laboratory of Geomechanics and Geotechnical Engineering, Institute of Rock and Soil Mechanics, Chinese Academy of Sciences, Wuhan 430071, China

Dr. Xinyu Liu
School of Civil and Hydraulic Engineering, Huazhong University of Science and Technology, Wuhan 430074, China

Dr. Ran An
School of Civil Engineering, Hefei University of Technology, Hefei 230009, China

Deadline for manuscript submissions:
20 July 2024

Message from the Guest Editors

Dear Colleagues,

We are inviting submissions to this Special Issue on "Mechanical Properties and Engineering Applications of Special Soils".

Geotechnical design and construction all over the world are constantly challenged by a variety of special soils, including residual soil, loess, frozen soil, expansive soil, glacial till, and contaminated soil. The mechanical properties of special soils are significantly different from those of common sedimentary clays and sands, which poses great difficulties for engineering applications. The detailed characterizations of these special soils are of great importance if the related engineering is to be conducted in a secure and economical way. This Special Issue serves as an opportunity for researchers to present their high-quality works toward mechanical properties and engineering applications of special soils.

Sample topics of interest of this Special Issue include but are not limited to mechanics, theory, in situ and laboratory tests, and numerical analysis of special soils. Special soil engineering cases such as foundation excavation, ground improvement, slope, tunnel, and geohazard are also welcomed.

applied sciences

IMPACT FACTOR 2.5

CITESCORE 5.3

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.
Journal Rank: JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us

Applied Sciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
𝕏@Applsci