Special Issue

Engineering Geology of Clay and Clay Soils

Message from the Guest Editor

Clay and clay soils are some of the most important geological materials, and they have a great influence on the engineering geology properties of soils. The main engineering geological problems associated with clay-bearing soils are their low strength, high compressibility, high level of volumetric changes, low permeability, settlement, and extreme affinity to water. On the other hand, clay is desirable in many cases due to its properties, which may be used to benefit a geotechnical engineer's design. The study of the mechanical and hydraulic properties of compacted clays and their long-term stability under a range of temperatures in engineered barriers (high-level radioactive waste) has also been an important area of engineering geological experimental research work during the last few decades. The type of clay mineral, mineralogical and chemical composition, and fundamental properties are very important factors controlling the physical and geotechnical behavior of clay soils.

- Engineering geology
- Clay minerals
- Clay soils
- Microfabric

Guest Editor

Dr. Meaza Tsige

Associate Professor, Department of Geodynamics, Complutense University of Madrid, 28040 Madrid, Spain

Deadline for manuscript submissions

closed (20 October 2021)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/62095

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

MDPI

About the Journal

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.

Editor-in-Chief

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

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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)