Special Issue

Advanced Construction Technologies in Underground Engineering

Message from the Guest Editors

Underground construction, referring to the construction of underground tunnels, shafts, chambers, excavations, and passageways, is vital for human communities. It encounters a number of challenges, including geotechnical issues of deformation and stability and ecological assets. The Special Issue entitled “Advanced Construction Technologies in Underground Engineering” aims to collect the latest technologies related to underground engineering and designs for the future. This Special Issue welcomes investigations into underground space design, interactions between geotechnical media and underground structures, novel construction approaches, advanced monitoring, equipment, and waterproof methods, retaining/support technologies, lessons learned from high-quality case histories, and topics relevant to underground infrastructure engineering with cost-effective and efficient construction.

Guest Editors

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Deadline for manuscript submissions

closed (30 September 2022)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/98978

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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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