Special Issue

Sustainability Assessment of Earth-Retaining Wall Structures

Message from the Guest Editors

Earth retaining walls (ERWs) are ubiquitous in the civil engineering landscape. Many different types of wall solutions are available to designers, with advantages and disadvantages depending on the application. Design methodologies for these structures are well-established and proven. ERWs can be broadly classified into conventional (cantilever and gravity) and mechanically stabilized earth (MSE) categories. However, there are other (even particular-specific) different wall types that can be designed to perform the same function. The use of new structural materials and construction processes to optimize ERW systems, as well as the use of marginal fills as well as recycled materials as backfill, are key topics of interest in the field.

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