Special Issue

Low-Cost Seismic Base Isolation in Civil Structures

Message from the Guest Editors

The recent series of earthquakes in Turkey, Syria, and Japan has once again demonstrated the destructive power of this natural disaster and highlighted the need for high-quality earthquake-resistant buildings. The use of low-cost seismic base isolation has attracted much attention in recent years. The need for this type of seismic base isolation stems from the fact that most earthquake victims live in developing regions of the world where it is not possible to use expensive forms of seismic isolation due to low economic resources. Therefore, it is important to utilise low-cost alternatives. Low-cost seismic base isolation can be defined as a technological approach that involves the use of a continuous layer of low-modulus materials under a building foundation to mitigate seismic risk in low-rise buildings constructed on solid ground. Research papers that include analytical and numerical modelling of soil–foundation–structure systems, shake table tests, and field tests are welcome. Proposals for contributions reporting approaches and results related to all these topics are welcome for this Special Issue.

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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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