

Special Issue

Modern Material and Methods for Infrastructures

Message from the Guest Editors

Engineers have been continuously striving to improve the efficiency of conventional material, solutions, and the testing methodology used for infrastructure. In recent times, with advances in material science, different composite materials have been introduced in the construction industry. The traditional methods of underlying theories and testing methods cannot be performed. Additionally, in other places, these modern materials may be exposed to extreme natural or non-natural loading circumstances during their service life, which can cause tremendous fatalities and property loss in terms of infrastructure.

The relevant topics include but are not limited to:

- Innovative materials for infrastructures: cement replacement material, strengthening materials (HFRC and FRP, etc);
- Composite materials for geotechnical engineering;
- Engineering cementitious material;
- Modern theory for composite materials;
- Computational mechanics;
- Monitoring of infrastructures through novel techniques;
- Artificial Intelligence for infrastructures;
- Soft computing methods for infrastructures

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Deadline for manuscript submissions

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