

## Special Issue

# Flexural Strengthening of Reinforced Concrete Beams

### Message from the Guest Editors

Dear Colleague, Recently, advanced construction materials have been widely applied to concrete structures due to the flexural strengthening of reinforced concrete. Advanced construction materials have been used for the strengthening of concrete structures in various methods. Various methods have also been used for the flexural strengthening of reinforced concrete and prestressed concrete structures. The goal of this Special Issue is to disseminate original research and review studies that address (experimental, theoretical) advances, trends, challenges, and future perspectives regarding the development, characterization, and application of strengthening method to concrete structures. The topics proposed for this Special Issue include but are not limited to the following:

- Flexural performance of reinforced concrete beams;
- Strengthening of concrete structures using various methods;
- Effect of strengthening method for reinforced concrete beams;
- Numerical modeling of reinforced concrete beams;
- Failure mechanism of strengthened concrete structures;
- Advanced material application;
- Innovative applications for the construction industry.

### Guest Editors

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### Deadline for manuscript submissions

closed (25 March 2022)



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## About the Journal

### Message from the Editor-in-Chief

The journal is devoted to academic researchers, working in the main fields of civil engineering, who want to spread their findings in the scientific community. Topics include: solid mechanics, structural and earthquake engineering, environmental and geotechnical engineering, survey and geo-spatial engineering, coastal and harbor engineering, building physics and sustainable materials, municipal or urban engineering, engineering and economy, and construction engineering. Contributions which are a good mixture of rigorous theoretical principles and experience-based technical solutions are especially welcome. Purely numerical or experimental approaches are also accepted, provided they are accompanied by a strong speculative investigation, finalized to extract a physical interpretation, and useful for enlarging the general knowledge of the problem.

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### Editor-in-Chief

Prof. Angelo Luongo

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indexed within Scopus, ESCI (Web of Science), Ei Compendex and other databases.

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