



Reinforced Concrete Structures, Seismic Reliability and Sustainability

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Message from the Guest Editors

We are pleased to introduce this Special Issue on the reliability and sustainability of reinforced concrete structures.

In spite of reinforced concrete structures not being generally the most sustainable solutions from an environmental point of view, reinforced concrete is preferred for most situations due to the other advantages that it presents. One of this is its optimal behavior in middle–high-risk seismic areas thanks to an obtainable ductility–strength combination.

Therefore, in this Special Issue, each of you is invited to propose solutions which are able to integrate sustainability and seismic reliability in the design of reinforced concrete structures and/or strategies for intervention on existing structures aiming to increase seismic reliability while avoiding the higher impact of reconstruction after demolition.

- structural sustainability
- reinforced concrete sustainability
- economy and sustainability
- life-cycle analysis
- material quality impact
- seismic behavior of sustainable concrete structures
- case studies
- improvement or retrofitting of existing structures





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Message from the Editor-in-Chief

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