



## Study on the Modification and Compressive Properties of Concrete Buildings Materials

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Deadline for manuscript  
submissions:

**15 February 2021**

### Message from the Guest Editor

Most of the important achievements in architecture during the twentieth century were constructed in reinforced concrete. However, many decades after their construction under specific environmental conditions, these buildings are now facing a series of preservation challenges. In this context, the compressive properties of concrete building materials are usually evaluated to assess the quality of concrete in its different material composition and application, in order to satisfy the structural design purposes responding to the current needs and to guarantee the future ones.

The articles published in this Special Issue will cover different topics on concrete modification and performance, ranging from numerical to experimental studies that includes both fieldwork and laboratory research to evaluate the compressive properties of concrete both in its current form and in cases where it has been retrofitted or upgraded. The issue includes papers on monitoring and nondestructive testing methods, aiming to control material modifications during its service life in order to ensure safety, durability, and functionality, as well as sustainability of the concrete buildings.





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## Message from the Editor-in-Chief

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