## **Special Issue**

## Cutting-Edge Additive Manufacturing Technologies for Construction Applications

## Message from the Guest Editors

Additive Manufacturing (AM) technologies are the most suitable technologies for construction applications in the fourth industrial revolution. These techniques such as extrusion printing, binder jetting (inkjet) printing, powder bed fusion, robocasting and smart dynamic casting are among the most usable printing techniques for construction applications. These techniques could be used to create 3D printing composite materials in the cast-in-situ or precast structures, this will be highly efficient to make a sustained environment. However. there are limited studies that could be found on this topic. This special issue could assist researchers, engineers and scientists to share their new conceptual, experimental, theoretical and numerical methods of AM technology in order to optimise the materials mix and process. Accordingly, selecting proper materials and AM technologies could be measured as a vital stage to increase the potential of 3D printing for construction applications.

Keywords: additive manufacturing; extrusion 3DP; binder jetting 3DP; powder bed fusion; construction materials; construction application; curing; post-processing

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## Deadline for manuscript submissions

closed (10 May 2022)



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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 multidimensional network.

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