Special Issue

Innovative Solutions for Concrete Applications

Message from the Guest Editor

Concrete is an incredible human-made material which has been evolving for more than 2000 years and will continue to transform from self-healing to Martian in the years to come. Concrete is the second most used material after water on Earth, and this material may become the best building material in the Solar System. Traditional concrete is not an environmentally friendly material to make or use and is also impervious; therefore, eco-friendly forms of concrete are currently being developed. The last decade has brought a splendid innovation into concrete development: self-healing concrete, innovative 3D printing of unusual concrete structures geometries, UHPC, AAMs etc. This Special Issue, "Innovative Solutions for Concrete Applications", aims to provide an overview of current innovative tendencies in concrete technology and structures, which have the potential to be implemented in the industry in the future, covering all recent developments in the construction sector. **Keywords:** concrete; AAMs; mix design; waste and byproduct recycling in construction materials; 3D printed concrete; real-time monitoring; structures; survey

Guest Editor

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