# Special Issue

# Incorporating Advanced New or Recycled Materials in Reinforced Concrete Structures

**Message from the Guest Editors**

This Special Issue will focus on emerging concepts that enable the design of reinforced concrete structures including new, improved, or recycled concrete materials, as well as the characterization of the properties of typical reinforced concrete structures. We invite submissions of authoritative review articles and original research papers describing recent findings in the field of reinforced concrete structures using advanced new or recycled materials, covering a range of topics.

- Material innovation in concrete 3D printing;
- Design of reinforced concrete structures using advanced new or recycled materials;
- High-performance fiber-reinforced concrete composites;
- Multifunctional fiber-reinforced concrete composites;
- Ultra-high-performance fiber-reinforced concretes;
- Cementitious materials in reinforced concrete structures;
- Green concrete in reinforced concrete structures;
- Structural performance of rubberized reinforced concrete structures;
- Structural application of advanced fiber-reinforced concrete composites;
- Experimental and finite element investigations into typical reinforced concrete structures.

**Guest Editors**

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Dr. Antonio Caggiano

Prof. Dr. Baoguo Han

**Deadline for manuscript submissions**

20 February 2026

**Materials**

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## Message from the Editor-in-Chief

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

## Editor-in-Chief

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