

## Special Issue

# Composite Materials for Bridge Engineering Applications: Experiences and Future Studies

### Message from the Guest Editors

Composite materials were and still are extensively used for strengthening and retrofitting structure life-cycle prolongation. However, composite material bridges are currently built in various limited situations, mainly as footbridges of different possible designs. Notwithstanding the enormous efforts of academic researchers and industry, new research and results for potential applications of composite materials for bridge engineering are needed. This Special Issue plans to overview the most recent advances in composite materials and their applications in bridge engineering. It will also provide the synthesis of potential calculation procedures that will support the designed process of future composite materials structures. Potential topics include, but are not limited to:

- Reinforcement of existing bridge structures by composite materials;
- Composite materials as structural tissue of new bridges;
- Vibration serviceability of composite materials footbridges;
- Structural health monitoring of composite materials bridges;
- Proposals of new calculation procedures for composite materials bridges.

### Guest Editors

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Mr. Marco Damiani

### Deadline for manuscript submissions

closed (20 October 2023)



## 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.

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