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Composite Materials for Bridge Engineering Applications: Experiences and Future Studies

Guest Editors:

Dr. Izabela Joanna Drygała

Faculty of Civil Engineering,
Cracow University of Technology,
Warszawska 24, 31-155 Krakow,
Poland

Dr. Nicola Nisticò

Department of Structural and
Geotechnical Engineering,
Sapienza University of Rome, Via
Eudossiana, 18, 00184 Roma, RM,
Italy

Mr. Marco Damiani

Department of Structural and
Geotechnical Engineering,
Sapienza University of Rome, Via
Eudossiana, 18, 00184 Roma, RM,
Italy

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Message from the Guest Editors

Dear Colleagues,

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.



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Editor-in-Chief

Prof. Dr. Maryam Tabrizian

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Professor of Biomedical
Engineering, Professor of
Bioengineering, Professor of
Experimental Surgery,
Department of Biomedical
Engineering, Faculty of
Medicine/Faculty of Dentistry,
McGill University, Duff Medical
Science Building, 3775 University
Street, Montreal, QC H3A 2B4,
Canada

Message from the Editor-in-Chief

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Contact Us

Materials
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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