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Latest Advancements in the Development of a Sustainable and Carbon-Neutral Concrete and Pavement

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Deadline for manuscript submissions:
closed (20 February 2022)

Message from the Guest Editors

This Special Issue focuses on novel and fundamental research that paves a way towards developing carbon-neutral and sustainable cement concrete that also encourages the recycling of various waste streams.

The potential topics of interest for this Special Issue include, but are not limited to:

- Carbon dioxide curing and mineralization in cement concrete;
- Carbon sequestration from various waste streams in cement concrete;
- Development of zero cement composites;
- Development of cement composites with low carbon footprint;
- Recycling of various waste materials for the replacement of cement and/or aggregates;
- Physicochemical and microstructure studies of blended cement/concrete composites;
- Impact on indoor air quality, fire resistance, thermal insulation, and acoustic properties;
- Long-term mechanical and durability studies.

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Message from the Editor-in-Chief

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