



Use of Industrial Solid Wastes for Sustainable Construction

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Deadline for manuscript
submissions:
closed (31 January 2023)

Message from the Guest Editors

Dear Colleagues,

Whether as an additive or a replacement for the aggregates or binder, the incorporation of waste materials in mortar and concrete serves to reduce the adverse environmental impact associated with the cement industry, preserve natural resources, provide a means of sustainable waste management, promote sustainable construction, and endorse the concept of a circular economy. This special issue focuses on the utilization of industrial solid wastes to enhance the sustainability of construction materials. Original articles, review articles, and case studies are welcomed. Topics include but are not limited to:

- Characterization of waste materials
- Mixture proportioning of waste-derived mortar and concrete
- Classification and processing techniques of industrial wastes
- Alkali-activated materials and geopolymer composites
- Novel applications of waste materials
- Optimization and analytical techniques
- Performance and microstructure evaluation of waste-derived products
- Cleaner production and life cycle assessment





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Message from the Editor-in-Chief

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