



Urban and Buildings Regeneration Strategy to Climatic Change Mitigation, Energy, and Social Poverty after a World Health and Economic Global Crisis: 2nd Edition

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Message from the Guest Editor

We have suffered the effects of an unexpected global health crisis that has led to an even worse global economic crisis. We spent even more time in our homes; this has brought to light the weaknesses and strengths of our system and our way of building and designing.

This SI aims to publish research projects and papers that contribute to reactivating the Construction Sector. Such an effort will particularly focus on solutions that improve indoor air quality in buildings, thus strengthening the circular economy in an eco-efficient way to rehabilitate the buildings and neighborhoods of our cities. Determining how artificial intelligence or controlling the cost of construction could aid in achieving the sustainability of our planet is another critical aim of this Special Issue.

- economic crisis
- circular economy
- decarbonization of the construction sector
- refurbishment of buildings
- neighborhood regeneration
- eco-efficient construction solutions
- construction and waste management
- indoor environmental quality
- resource efficiency
- artificial intelligence
- building and urbanism cost control
- nanoparticles applied to the construction industry





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