Special Issue

Green Lime Technologies in Construction Materials

Message from the Guest Editors

Green and sustainable construction is of the utmost importance for achieving a cleaner environment in the future. Lime as a building material offers numerous ecological benefits, and can be used both in retrofitting and new construction projects. It can be seen as an environmentally friendly material that is safe for building operators and users, in addition to requiring low energy input to produce . Lime-based materials can also be upgraded to improve their green credentials, especially in relation to durability and energy efficiency. Lime is a traditional building material with a long history, which brings a great deal of knowledge about its manufacturing and use. The urgently needed CO2 abetment requires a rethinking of traditional approaches to maintaining continuity where necessary, as in the building conservation sector, while providing modern solutions for contemporary architecture. This Special Issue welcomes research on construction materials based on lime from production to application technologies in a green and sustainable way.

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Current urban environments are home to multi-modal transit systems, extensive energy grids, a building stock, and integrated services. Sprawling neighborhoods are composed of buildings that accommodate living and working quarters. However, it is expected that the cities and communities of the future will face complex and enormous challenges, including maintenance, interconnectivity, resilience, energy efficiency, and sustainability issues, to name but a few. A smart city uses advanced technologies and a digital infrastructure to improve the outcomes in every aspect of a city's operations. A smart building optimizes the experience of occupants, staff, and management by using a modern and connected environment. Innovations in technology that can bring dramatic improvements to design, planning, and policy are critical in developing the cities and buildings of the future.

Editor-in-Chief

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