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Research on Vernacular Architecture

Guest Editor:

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Deadline for manuscript submissions:
closed (31 October 2023)

Message from the Guest Editor

Dear Colleagues,

Vernacular architecture can be defined as a type of regional construction made with techniques and local materials native from a particular area, representing a knowledge generally transmitted from one generation to the next. Its constitute a rich heritage and an important source of popular wisdom in order to make the best possible use of available resources to maximize the comfort of people. Despite the fact that it comprises more than 75% of the world's existing buildings, it is scarcely studied and its conservation represents a major challenge.

This Special Issue is dedicated to presenting current research on vernacular architecture worldwide. Contributions addressing traditional building materials and construction techniques, typological analysis, preservation problems and solutions, cultural value, climate adaptation and reuse of vacant traditional buildings, among some others, are welcome.

Dr. José María Fuentes-Pardo
Guest Editor

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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.

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