



Use of Agro-Wastes in Building Materials

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Message from the Guest Editor

Dear Colleagues,

Today, globally, environmentally friendly materials are being rediscovered. A sustainable approach to construction is allowing research to focus on indoor environment comfort, studying hygrothermal and air quality aspects. Recently, agro-waste materials have been used for sustainable buildings in different forms: bricks, plasters, mortars, and panels. The use of vegetable fibers is firmly connected to the significant reduction of the environmental impact of the production process.

The use or the addition of natural fibers, originating from agro-waste (i.e., straw) or industrial by-products (i.e., sawdust) helps improve the physical properties of final products, enhancing thermal, hygric and acoustic performances. Furthermore, the use of vegetable fibers, thanks to their sustainable life cycle can be considered a way to improve the whole sustainability of building materials. Studies on different uses of the agricultural waste for different applications are expected for this Special Issue.

Dr. Stefania Liuzzi
Guest Editor





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