

Special Issue

BIM-Based Life Cycle Sustainability Assessment for Buildings

Message from the Guest Editor

Numerous current investigations try to analyze and evaluate building and construction alternatives, using different methodological approaches. However, the application of these tools and procedures generally consumes a large amount of time, energy and resources when applied to construction and building systems, mainly due to the qualitative and quantitative complexity of the building phenomenon. Fortunately, in recent years, the use of building information modeling (BIM) platforms have proven to be an innovative, useful and effective aid to the development of building assessments, especially in the process of calculating inventories, obtaining and visualizing results and, more recently, optimizing systems from the life cycle perspective. In order to present the current approaches and trends in this field and to show their practical applications, this Special Issue will compile a selection of research projects that use BIM platforms as a methodological basis and are carried out in the context of the environmental, economic and social assessment of construction, building and urban systems.

Guest Editor

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I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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