



Novel Concept and Technologies of Sustainable Building Design

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Message from the Guest Editor

Sustainable design parameters may be visualized as the genetic code of a building's specific performance requirements—similar to the DNA of all living entities.

Back in 2001, a highly networked, expertise-orientated, integrated design strategy of “Form Follows Performance” was coined in our offices and research centers in Germany, India and Sri Lanka, primarily for complex industrial projects and passive housing. In planning processes, “Virtual Twins” used state-of-the-art 3D-BIM modeling for architecture, structure and utilities integrated with dynamic climatic simulations and CFD analysis, sustainable parameters and cradle-to-grave lifecycle systems.

A German government BMBF- and DAAD-funded program will culminate in a web-portal and app climatehub.online. Holistic design strategies and academic research will open a wider audience, a collaborative and deeper understanding of the topics on hand and a one-of-a-kind e-learning platform-program.

Special Issue Link:

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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