

Special Issue

Sustainable Building Decarbonization

Message from the Guest Editors

Achieving the global energy and climate goals will be impossible without the sustainable decarbonization of building stock. A large share of existing buildings were built before the first energy efficiency regulations. Many resent country and union policies aiming to achieve a fully decarbonised building stock by 2050. The successful implementation of the set goals depends largely on the results of ongoing research. They are the ones that allow us to evaluate the effectiveness of the solutions used, to propose new standards and methodologies, as well as to increase the availability and reliability of data. Particularly important areas seem to be the development of a fast and reliable methodology for identifying buildings with the worst energy performance, increasing the reliability of the data used to calculate the embedded carbon footprint, and obtaining information on the actual energy consumption of buildings in relation to the quality of the indoor environment.

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Deadline for manuscript submissions

31 December 2025



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/224862

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