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PROCEEDINGS BOOK

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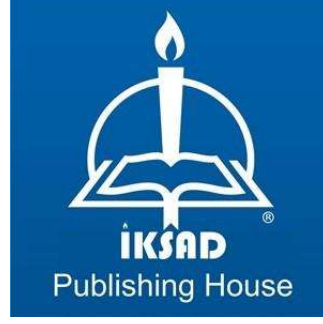
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(Abstracts & Full Texts)

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GREEN BUILDING FOR URBAN SUSTAINABLE DEVELOPMENT

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ABSTRACT

Green building is an important component of the urban sustainable development concept, which aims to ensure a balance between economic growth, social justice and environmental protection. The concept of green building has gradually developed with the growing public awareness of environmental protection, which also encompasses a wide range of elements. Green building is a fundamental platform for sustainable development. A solution for the multidimensional and balanced development of green building has been proposed. Since green building is a trend in the construction industry development, it provides an opportunity to mitigate the effects of global warming, achieve energy efficiency and ensure sustainable urban development. Buildings are the largest human-made objects that cause huge carbon emissions. In addition, buildings are the city's largest energy-consuming asset, accounting for 40% of the world's total energy consumption. Thus, reducing carbon emissions during the life cycle and energy consumption of buildings is the key to reduce the impact on the environment, economy and society and achieve the sustainable development goals. To promote the process of green building development, it is extremely important to raise the awareness of stakeholders. The government should launch campaigns aimed at encouraging developers and tenants to adopt green construction, which could increase the buildings value. Green building in the concept of urban sustainable development demonstrates a strategic approach to the formation of the urban environment, which is aimed at achieving harmony between economic development, social justice and environmental protection. It emphasizes the integration of technology, innovation and social aspects to create cities that provide a high standard of life quality while preserving natural resources and the planet for future generations. Green building constantly requires the search for innovations and new technologies to increase the efficiency of construction and reduce its impact on the environment. This may include the development of new materials, methods of energy saving and optimization of construction processes, which is aimed at creating a healthy and comfortable environment for residents; the use of natural lighting, ventilation and green spaces improves air quality and general well-being of people. Green building in the concept of urban sustainable development should return urbanized areas to healthier, more viable and environmentally friendly places. It contributes to the creation of cities that not only meet the needs of the present generation, but also preserve the possibilities of future generations of our planet.

Keywords: Green Building, Sustainable Development, Energy Efficiency, Environmental Safety.