

عنوان مقاله:

Investigating the implementation system and plant species of green walls in order to maintain sustainability

محل انتشار:

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خلاصه مقاله:

Construction and maintenance of buildings have negative effects on the environment and communities need a stable environment for living. Therefore, the challenge of the construction industry is to use the least energy and produce the least pollution. The use of green coverings, especially in the internal and external environments of buildings, can be effective in keeping energy consumption low and reducing greenhouse gas emissions, interactive green walls in order to make cities sustainable and a modern solution to problems. It is also a city. The purpose of this research is to investigate different types of vegetation in green walls and to evaluate various types of implementation systems in green walls. The method of research and data collection in this research is a descriptive method based on studies and library documents. According to the investigations carried out in this research, there are various types of green wall implementation systems, including modular green wall, cable green wall, network green wall, polymer felt and hydroponic green wall, and each of them was investigated. Also, depending on the climatic conditions and the location of the building, the type of vegetation is very important, and its correct selection can be very effective in achieving sustainability, therefore, the types of vegetation suitable for internal and external walls were divided into four categories, which features Each of them was evaluated in this research

کلمات کلیدی:

Green building, environment, green wall, sustainability, plant species

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