

عنوان مقاله:

Contribution of façade and green roofs to residential occupancy in order to achieve a sustainable architecture approach

محل انتشار:

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خلاصه مقاله:

Green roofs are sustainable and healthy and provide landscape of roof which is a new element of ecological architectural design. Green walls (vertical gardens), are also living coating systems with similar benefits in which various plant species grow on the facades of buildings. Therefore using approaches such as green roofs and green walls, thereby designing along with nature rather than against nature, could help a more sustainable contemporary architecture and urbanism, especially in residential occupancy and a reliable development with environmental protection and continuity of human life. Green Architecture is derived from sustainable architecture and sustainable development which is also due to the need to deal with adverse outcomes of today's consumable and industrial world. Architecture and technology can learn from each other. Green architecture (eco-technology) is against technology architecture with the rigid logic of macro production and precipitous use of technology combined with severe functionalism which is leading to neutral and useless environments. The issues that green architecture covers them aim to address the future generation and protect the environment. This author in addition to explaining different aspects of sustainability, studies green roof and green wall designation. The results, using a descriptive analytical research method, show that in order to achieve a sustainable design, creation of related infrastructures in .an undeniable necessity. At the end, guidelines to create these infrastructures are provided

کلمات کلیدی:

green wall, green roof, sustainable development, sustainable architecture, eco-technology

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