Abstract:

The environmental problems which face us today have now grown to the point that they affect our very quality of life. There is increasing demand for a limited supply of natural resources used in the industry. In view of present global crises - population expansion, natural resource depletion and ecological disasters - there is an urgent need to align development and the practice of architecture with the concept of sustainability. Green architecture is one of these concepts and it is not a style, trend nor a vernacular and neither is it new. So, Green Architecture is a term used to describe economical, energy-saving, environmentally-friendly, sustainable development. It was important to find a way to assess the quality of these buildings, which is called the Green Architecture Assessment Tool. The Purpose of this research is to discuss some of the Green Architecture assessment tools around the world. Then it holds a comparison between them in order to reach a better understanding of these tools. Also to find out the basics which must be found in any rating tool in any other place in the world?

Keywords:

Green Architecture, Assessment tool, Rating system, LEED, BREEAM, Green Star, BERDE, Estidama, Green Star, GRIHA.

Published In:

مجلة العلوم الهندسية (JES), كلية الهندسة، جامعة أسيوط، مصر. العدد 42, المجلد 4052-1023-1052.