

## The Feasibility of Using Green Architecture in the Desert Areas and Its Effectiveness

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**Abstract :** The green architecture represents the essence of the sustainability process and the fundamental rule in the desert areas' reconstruction seeking to maintain the environmental balance. This study is based on the analytical descriptive approach, to extract the objectives of green architecture in the desert areas, and reveal the most important principles that contribute to highlight its economic, social, and environmental importance, in addition to standing on the most important technical standards that can be relied upon to deal with its environmental problems. The green architecture aims: making use of the alternative energy, reducing the conventional energy consumption, addressing its negative effects, adapting to the climate, innovation in design, providing the individuals' welfare and rationalizing the use of the available resources to maintain its environmental sustainability.

**Keywords :** green architecture, the warm-dry climate, natural lighting, environmental quality, renewable energy, weather changes

**Conference Title :** ICCAE 2016 : International Conference on Civil Society and Architectural Engineering

**Conference Location :** Jeddah, Saudi Arabia

**Conference Dates :** January 26-27, 2016