

## **The role of green buildings in energy conservation**

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### **Abstract:**

The world is now witnessing increasing interest in environment and sustainable development issues. Over the past three decades, there has been a growing realization that current development model is no longer sustainable, after its consumption lifestyle has been linked to serious environmental crises.

Studies confirm that humankind is currently facing two problems, the first of many resources which we consider to be extinct in near future. The second relates to the increasing pollution that our environment is currently experiencing, resulting from large amount of harmful waste that we produce. The common pressures of increasing awareness scarcity of future and growing problem toxicity in world have led to emergence issue of environmental conservation sustainability through rationalization of energy consumption as an important subject both in field of thought politics recently in architecture, At present preservation environment and sustainability, logical natural resources appropriate management of buildings contribute saving scarce resources and reduce energy consumption improve environment while taking into account whole life cycle building as well as environmental quality, functional aesthetic.

The aim of research to highlight the role of green buildings and sustainable architecture in reducing rationalizing consumption of energy, water and resources and improving public health by designing implementing buildings conform traditional architecture using modern technological systems.

### **Keywords:**

green buildings, energy conservation, sustainable development