

Bioclimatic Interior Architecture

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Research Summary:

There is a global trend to reduce the effective use of energy in construction, vehicles, and various industries with the aim of limiting the use of fossil fuels and thermal emissions and facing global warming. Researchers in Europe and America. Energy is one of the main ingredients for civilized societies. And all sectors of society need it.

Research Problem Research problem

The research deals with one of the problems of internal architecture represented in ignoring the environmental dimension, which is reflected in the performance of residential buildings, as it lacks the elements of sustainability, which are greatly increasing with the continuous consumption of energy, so the design of sustainable residential buildings works to avoid existing problems, and raises their efficiency The research discusses a number of points to reach solutions to the problem effectively, namely:

- Not achieving thermal comfort inside the building. through a series of thermal exchanges of the human body and environmental conditions, so the human body is considered a state of thermal balance produced and missing heat.
- Not to use environmental design, as the designer faces several problems due to the loss of the link between the basics and mathematical equations and their application within energy measuring programs and the inventory of environmentally compatible results.
- Not to use traditional climatic elements affecting the building as the energy consumption control.
- The buildings have an increasing impact on the destruction of the environment, as a result of the fuel consumption, as this makes a subject like sustainable architecture. or what we call them in integrated biometric architecture. that it is the correct and logical entrance to deal with the environment.
- Weak environmental awareness, due to the presence of designers who are ignorant of climate architecture, and they deal with architecture as a fashion.
- Reflection of modern architectural models and its association with the design of internal spaces, and the role of technology in the development of design and implementation of modern contemporary architecture

Keywords:

Environmental Studies, Climatic Architecture, Architecture, Thermal Comfort, Green Architecture