

Sustainability standards and their impact on contemporary sculpture design

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Abstract:

Recently, all efforts aim to preserve the environment through sustainable design to activate the positive impact of the environment on human welfare and health. The sculptor has always been keeping pace with the spirit of the times, and using technology according to the requirements of each stage he lives in. He had to be the first to be interested in preserving the environment, which had a clear impact on the designs of his sculptural works, and since sustainability is achieving compatibility between man, society and his environment, and through the four principles for the application of sustainability, which are "Sustainability Scope - Resources - Technology - Sustainability Scale". The research presents how the sculptor deals with these principles to achieve presence as an active element in that environmental system through his sculptural works, which in turn lead an aesthetic message and a utilitarian goal to reach the design standards imposed by the principle of sustainability on design through three main styles exposed to applied sculptural works based on the principle of sustainability which are:

- 1- Works implemented through the use of natural environment materials, which are sustainable and environmentally friendly.
- 2- Works implemented through the use of waste and previously used raw materials, and transforming them into aesthetic forms.
- 3- Works implemented through the use of contemporary technologies, which would show the data of science to serve the environment and society.

The research ended by deducing the design criteria associated with the principle of sustainability and some considerations for the design standards to be taken into consideration and followed when carrying out the design process and the types of design standards that should be guided when working with sustainability as an applied sculptural trend.

Keywords:

Sustainable Materials, Sustainability, Sculpture Design, Applied Sculpture, and Design Standards