

“Applications of simulating Bio-architecture in design of printing women’s fabrics using blue print technology.”

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Abstract:

The research tends to the analytical study of the patterns of modern vital architecture represented in the works of the architect Santiago Calatrava as a source of inspiration in the field of designing women's fabric printing, and applying it using blue printing technology. Despite the variety of sources from which textiles printing designs can be inspired, nature is the richest source of ideas that are suitable for inspiration in many arts, such as architecture and others. The source of their inspiration was from nature, such as Bioformation, as the simulation of nature sought to demonstrate the basic role of nature to solve problems associated with contemporary reality in creating an integrated architecture called the science of simulation Nature or bioarchitecture. Manual printing is considered one of the practical applied arts that is characterized by unlimited richness in techniques and methods, which results in many plastic and aesthetic values, and its applicability to different surfaces, which makes manual printing one of the best experimental fields, from which an infinite number of designs of privacy and distinction can be obtained. One of the non-traditional printing methods is the blue printing method that many researchers have not dealt with, which is a method that is not used in the field of hand textile printing, in which some chemicals that consist of iron salts are used, those materials used in the method of photography and photographic printing.

Key words:

Printing applications - Simulating nature - Blue printing –Thermal transfer printing- Designs of women's printed fabric.