

The Third dimension Design of glass painting art between theory and application

Assist. Prof. Dr. Yasser Saeed Mohamed Bendary

Assistant Professor in, glass department, faculty of applied arts, Helwan University

yaser2hm@yahoo.com

Abstract:

the glass painting art has a qualitative development according to the design trends and styles development and the ability of development of technologies to express the aesthetic and functional requirements of the design itself, So The problem of design is appeared in expression the third dimension of the glass painting art to show the shape ,the form and the perspective by using the basic forming elements, this is the biggest problem faced designers when they design glass painting art, Which requires formulate alternatives and solutions for design problem in order to activate the ability to design the third dimension that is compatible with the design requirement and the desire of the designers and artists, and Because of the ordinary techniques, the technology of applying on the glass surface did not achieve the requirements and design variables and application for the appearance of the glass surface, Although these ordinary techniques were able to express the aesthetics of design, they were unable to express (simulate or create) to the many styles and trends of glass panting art . And because the oil colors drawing has ability and unique aesthetics in design like rich texture “Physical and sensory”, different techniques ,color forming, construction method and applications because of the variety of shaping tools and the nature and type of raw materials and intermediate with their individual characteristic, For this purpose, we choose oil painting method and its methodology to be a reference case study to develop the design integrated system of the (appearance of the glass surface, its application, selection of its materials, appropriate tools and techniques) to expresses the aesthetics of glass panting art, In order to absorb many of the aesthetics on glass painting art by inspiring Third dimension Design in glass painting art to confirm the third dimension by sense, or design and application a relief texture with special colors and tools to confirm the physical third dimension on the glass surface.

Therefore, **the problem of research was identified by:** The need to activate the third dimension design ability of glass panting art, taking advantage of the aesthetics and techniques of painting in oil colors.

The objective of the research is: Create a proposal of design and application system and its application for glass painting art, to simulate the aesthetics and techniques of oil colors application.

The importance of the research: enrich the added value of the Artistic, architectural and industrial glass, with an innovative integrated design system and its application for glass painting art.

The study assumes: Create an Innovative techniques to design the third dimension of the glass painting art by making a proposed for third dimension design system and its application, taking advantage of the aesthetics and techniques of painting in oil colors "With a sense of inspiration, or certainly physically ." **Through the analytical- experimental approach.**

Research is determined in: Create an Innovative techniques to design the third dimension of the glass painting art by simulate aesthetics and its application of painting in oil colors. Through the development of the design system and its technique.

The most important results, including: Create a proposal of design and application system to design third dimension for glass painting art and Create an Innovative techniques by simulate the aesthetics and techniques of oil colors application , and designed an applied study to implement some of these models.

Key words: Design - Third dimension- painting art –glass.