Utilization of The Diversity of the Islamic Arts to Create 3Dimensional Models That Serve the Field of Glass Design Second axis; heritage "Identity & belonging"

Doaa Hamed

Faculty of applied arts- Helwan university

doaahamed2015@yahoo.com

Abstract:

Islamic arts are characterized by great diversity and richness, which made it a source for creativity and for designers to utilize it and start process of creativity and design. There is no doubt that contemporary changes and technological developments that we are witnessing today are much faster from being absorbed and applied in computer modeling. 3D models with simple and available materials such as wooden sticks to create models that serve the architectural, technical and industrial glass design.

The research problem was:

-The need for a systematic program for the work of three-dimensional models (wooden sticks) with graded complexity to be utilized in the design of glass using the engineering networks of Islamic art.

Therefore, the objectives of the research are:

-Access to a program that helps designers to create 3D models that serve different areas of glass design.

- Enriching and diversifying designs through the use of engineering networks for Islamic art.

The importance of research is determined by:

-Developing the creative ability of designers by activating the characteristics of Islamic art to create three-dimensional models.

-Preserving the heritage by activating it in modern models for different areas of glass design (artistic-architectural-industrial).

The research concluded with some of the relevant conclusions and recommendations:

To conclude that; the emphasis on the Islamic identity using elements of Islamic art as a source of design led to the diversity and richness of different designs.

The designer acquired the planning, design and implementation skills of the model from the initial ideas through the executive drawings to the final product. The research recommended directing the designers to take care of the Islamic civilization and its historical origins and to use them in asserting the Islamic identity in different fields of design, especially glass design.

Key words:

3D models- design-glass.