

**Innovative technological methods to form glass paste  
-Applied to artistic three- dimensional shapes with Islamic style-**

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Abstract:

Artistic heritage of Islamic civilization has a diversity of shapes, materials, methods and ways of production, glass is one of basic raw materials in the Islamic art and affected it because of its inherent aesthetics and techniques which opened the doors of creativity to this art, glass formed to many of the artistic three- dimensional shapes such as lamps, vases, architectural fillings and other products that are still witness to the importance and the aesthetics of the glass in the Islamic artistic heritage.

Artistic three- dimensional shapes are those shapes with three-dimensional surfaces, which are usually formed to glass with variety of ways and methods of both hot molten glass, kiln forming or with cold working, Thus diversity in degrees of difficulty forming, the more of the shape design complexity the more of its forming difficulty, hence **the research problem** is the need to develop the handicraft heritage emerged through the development of the production methods facilitate the formation of three- dimensional glass shapes with Islamic style, using mixtures of glass pastes, which is made up mainly of glass powder and binders, and has a high capability of formation freely to variety of glass shapes.

**The goal of research** is the development of the freely formation methods of three- dimensional glass shapes with Islamic-style using glass pastes. **The importance of research** for the promotion and development of handicraft heritage through the development of glass forming techniques of three- dimensional glass shapes with Islamic style, therefore **the research assumed** that using a variety of mixtures of glass paste can form a glass freely to three- dimensional Islamic shapes with high artistic value