

## **Aesthetics of Kufic calligraphy in Islamic architecture as a source for digital design of metal jewelry**

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### **Abstract:**

Research problem: How can the aesthetics and characteristics of Kufic calligraphy be taken advantage, "Which are compatible with Islamic architectural solutions" as a source for digital design of metal jewelry? hypothesis :The aesthetics and characteristics of Kufic calligraphy compatible with Islamic architectural solutions is an important formative resource in the digital design of metal jewelry Objectives Benefiting from Kufic calligraphy aesthetics and characteristics "Which are compatible with Islamic architectural solutions in designing metal jewelry that combines tradition and modernity ,studying of some contemporary digital design methods for metal jewelry, Benefiting of technological development in the formation of contemporary metal jewelry limits: Analyzing selections of the Kufic calligraphy in the Islamic architecture of Al-Aqmar Mosque, conducting a self-experiment through digital CAD techniques using Matrex program, forming the prototype using CAM machine, casting prototype , Crafting metal jewelry using Manual techniques, Methodology: descriptive and analytical and experimental Methods, Importance: The development of creativity in the art education field by studying modern digital design and shaping methods, supporting metalworking curricula by reviewing Modern digital design and modeling methods, supporting the jewelry design field with some formulations traditional plastic with characterized artistic characteristics by originality and contemporary, results : the aesthetics and characteristics of Kufic calligraphy "which are compatible with Islamic architectural solutions" is an important formative source in the contemporary digital design of metalwork, finding creative solutions for metalwork designs by integrating Manual techniques with technological techniques, recommendation: activate the role of modern digital design to support metalworking curricula.

### **Keywords:**

Kufic calligraphy Islamic architecture digital design metal jewelry