



CAIRO UNIVERSITY  
FACULTY OF SPECIFIC EDUCATION  
POST GRADUATE  
ART EDUCATION DEPT.

**Aesthetic values of Nanoparticles pathetic Bosra  
To build contemporary figurative sculptures  
(An Experimental study)**

**A Study Submitted by Researcher  
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Education .**

**Education Art (Sculpture)**

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# Summary

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### Search title:

**Aesthetic values of the Nano particles as a visual stimulant to build models of Contemporary Sculpture.**

### Research goals:

- Nanoparticles study aims to development of the technical and visual view of students in the field of sculpture.
- The study of the aesthetic values of the nanoparticles contributes to the enrichment of the plastic and expressive values of contemporary figurative sculptures.

### The main importance of the research:

١. Emphasize the importance of the relationship between the art in general and sculpture in particular, and aesthetic values of the nanoparticle in developing new structural formulas.
٢. Establish new entries for Contemporary Fine Art by connecting the outputs of arts science and nanotechnology.
٣. The micro-particles study also contributes to enrich the artistic visions of the student.
٤. The study of the aesthetic values of the nanoparticle (organic material or non-organic materials) to create a new entrance to the contemporary stereoscopic art.

The research problem is determined to answer the following question:  
To what extent can take advantage of the aesthetic values of the Nano particles acts as a visual stimulant to build a contemporary figurative sculpture?

### The study included the following chapters:

#### **Chapter One: the general framework of the study:**

This chapter addresses the research background to the problem of the research, research objectives, the importance of research, research hypotheses, outlines of research and research methodology. Also, studies and associated terminology.

#### **Chapter II: Nanotechnology science and the art:**

This chapter deals with the study of the eternal relationship between the art and the science ,and the impaction of the science on

visual creativity and the marriage between creativity and science .also, including models for artists influenced by their technological possibilities, and dealing with the study of nanotechnology in its conception and founded tools such as scanning electron microscopy SEM and force TENS and Tunneling scanner STM, also deals with the study of the nature and its relationship with Nano Technology and the relationship between the micro-particles tiny knowledge of physical chemistry and molecular biology ,and dealing with the study of nanotechnology and its relationship to the art.

### **Chapter III: The aesthetic values of the micro-particles in the formation of structural formulas to be sculptured:**

This chapter deals with the study of the structural formulas of micro-particles and their classifications and types of composition of shapes and systems, structural particles then study the aspects that go into a visual stimulant to build models of sculptural and contemporary studies of the structural dimensions of the physical works , and study the cognitive elements of plastic in the construction of sculptural work inspired by the elements of the micro-particles a young age and then study the aesthetic values in terms of the concept of values and beauty and in terms of trends abstract expressionism art assembly and installation, and the types of movements in the art and the cofactors on the success of the sculpture inspired by the micro-particles and then study the aesthetic values in the art works and analytical study of the micro particles then deals with the study of the stages inspired from the aesthetics of tiny micro particles and then dealing with the study of the aesthetics forms of DNA, protein, and crying Paul fullerenes and carbon nano-tubes as micro particles forms .

### **Chapter IV: Analysis of the sculptural works of plastic artists inspired from micro-particles forms.**

### **Chapter V: Experimental framework of the research:**

This chapter dealt with the study of the experimental framework of the research, as applied to the study of student experiment on the fourth band of 14 students and a student of Art Education Department - raising the quality of Cairo University, where the first focus of the work of a dish was rated .also, where the original single form in nature and then use the zoom style and miniaturization and the application of the second axis acts dish in which more than a single severity of the artwork one, and then dealt with student business description, and finally addressed the findings and the recommendations of the research.