

## **Employing recent scientific developments as an input to enrich the field of woodworks**

**Prof. Elhamy Sabah Amein**

**Professor of Woodworks Department of Art Works and Folklore Faculty of Art Education Helwan University**

**Dr. Mohamed Hussein Mahmoud Mohamed**

**lecture of Woodworks Department of Art Works and Folklore Faculty of Art Education Minia University**

**Assist. Lect. Asmaa Elsayed Yahya Elsayed Talaat**

**Assistant lecture in the Department of Art Works and Folklore Faculty of Art Education, Minia University**

**[Dr.amrooahmad@gmail.com](mailto:Dr.amrooahmad@gmail.com)**

### **Abstract:**

The current research revolves around modern scientific developments and their impact on contemporary wooden crafts. Relying on modern sciences in art enables the artist to proceed to reveal the secrets of the world, through a new art that differs from the previous arts, from which the researcher divided the role of science and its impact on art into three parts, The first section is the use of science in art and includes practices that have used the study of science as art, such as bio art, the use of genetic engineering in art, the use of modern raw materials technology in art, the use of photography in art, and the second section in various forms of art that cooperate with technology Modern art as a medium for the production of artworks, which are multi-form arts that include the use of computers or other electronic devices to produce artworks, and the third section presents some artworks that illustrate the impact of modern scientific developments on contemporary woodcrafts, as it helps open new horizons for a creative vision because of its philosophies Deep works to enrich the artwork, as well as help develop the look of the wooden crafts.

The aim of the current research is to shed light on the importance of modern scientific developments in influencing art in general and the field of woodwork in particular, and to identify new forms of art that were based on modern science, and to propose new approaches based on modern scientific developments to enrich contemporary woodwork.

The research reached a set of results and recommendations Such as the possibility of taking advantage of the characteristics of the materials in developing the look of contemporary wooden crafts, The possibility of relying on the results of science to create unconventional artifacts, by relying on original intellectual sources, and the research was able to clarify the impact of scientific developments in the presentation of many creative ideas.

### **Key words:**

Modern scientific developments - science - a relationship between science and art - wooden crafts