

## Modern Technical Variables and Their Impact on Fresco painting (Experimental descriptive research)

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### **Astract:**

Traditional materials and ancient techniques no longer satisfy the expressive and creative requirements of students and artists in the current modern and contemporary art era. This prompted them to use modern techniques and raw materials from their surroundings and adapt these materials in innovative and different ways to use on the surface of their art work. The progress of modern technologies and the development of raw materials have contributed to the enrichment of fresco art, however, an appropriate way of implementation within the Department of Painting, which recognizes and matures current twenty-first century knowledge on fresco painting, is still required.

Here we will discuss an important question; what recent changes have occurred with regards to the methods and materials used in the creation of fresco art (plaster painting)? How will we benefit from utilizing modern materials to enrich fresco art? How can we avoid the use of ancient raw materials that created for artist ill-health and replace them with new materials that are both easier to obtain and are safe for the fresco artist to use?

The goal of the research is to provide an introduction into the art of fresco and identify new treatments of modern plastic materials that can be adapted for use in fresco art. The use of these materials is both time and cost effective for the students, derived from historically accurate methods, in a contemporary manner.

The study aims to study the methods of treatment of modern techniques and materials used in fresco through the descriptive research method carried out by the researcher on a sample of third and fourth year students over the four years from 2014 to 2018.

The limits of research is the study of the historical development of art And used in this research new materials and techniques such as latex paste, stucco and white glue in certain percentages to reach the mortar used to draw it using oxides and water colors.

This research has demonstrated that technical and technological progresses play a great role in the development of new materials for artists. The researcher recommends alternative solutions via the employment of modern technologically-based materials to reveal and enhance the most important characteristics and features of the fresco art work.

**Keywords:** Fresco - Modern technical variables - Modern building materials - Experimental descriptive approach - Skills and methods of performance.