

## **Microscopic photography of plant cells and benefiting from it in creating contemporary painting works**

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### **Abstract:**

The research deals with microscopic photography of plant cells and benefiting from it in producing contemporary painting works, as nature is the greatest inspiration for art and beauty at many aspects, Science tries to reveal the rules and beauty of nature through the microscope, as it plays a major role in revealing the beauty of nature as an approach in scientific research, It is a direction which has made some consider it a kind of art. Modern technology and many tools such as optical microscope are really an intermediary for the producing works of art; It is considered a fertile field that helps an artist to see the items and elements of nature and its components, which cannot be seen with the naked eye, Study its visual attributes, observe beyond nature and discover its laws and building systems. It is considered a fertile source of colors, laws, shapes and relations between elements and items in expressing and artistic to structures, this urges the artist to innovate and open new horizons for the innovative vision which has varieties lead to the richness of works of art.

The question of the research lies in the following:

The extent of benefiting from the technique microscopic photography of plant cells

The research aims at contemplating in God's creative ability and diving into the depths of nature which has not been discovered yet, It also aims to benefit from the excretions of microscopic photography as a source of seeking inspiration which contributes in enriching visual vision, That helps in creating modern works of painting, and finding various experimental entrances for that. The importance of the research lies also at emphasizing the importance of the relationship between science and fine art and their interrelation, upgrading innovative practice in the field of painting and benefiting from microscopic photography technology in creating contemporary painting works. The research also concerns seeking inspiration from the outcome of microscopic photography of plant cells, and making self-applications based on seeking inspiration of painting works inspired from microscopic photography of plant cells, The research uses the descriptive, analytical and quasi-experimental methodology.

The results are as follow:

The painter artist can make use of from digital technology with its contemporary data.

The importance of microscopic photography, as it is an addition helps the artist contemplate the microorganisms that nature contains.

The outcome of microscopic photography is a fertile material which evokes the visual visions in contemporary painting.

The researcher recommends the following:

Opening new creative entrances the composition of contemporary painting works through practicing the creative process and the existence of labs in schools and universities which contributes in enriching visual visions at students .

### **Key Words**

Microscopy - digital technology - plant cells