

الرؤية البصرية للنسجة الحيوية كمصدر الالهام لتصميم المعلقات النسجية المطبوعة
**Optical Vision of microscopic living tissue as a Source for innovative Design
in Printed Textile Hangings**

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Abstract:

At the beginning of the second half of the last century, and with the development of electronic microscopes of enormous magnification power, it was possible to identify the exact details of the outer shape and internal components of living cells, as well as the detection of viruses, these discoveries led to great development in the fields of biological sciences, medical and genetic engineering. As a result of scientific research in the previous fields, hundreds of images of Electronic microscopy were produce. It became clear that these images enjoy aesthetic values, formality and color are enormous and distinct and surprising and visually different from what used to visual vision of things. With the analysis of these images, strong relation between the composition and functionality of living cells are indicated, without prejudice to aesthetic values.

The current study is concerned with the study of under the electronic microscope images of some types of cells and living tissues as well as some known viruses, both formally and constructively as well as their aesthetic values, and then inspired the number of (8) innovative design ideas for printed textile hanging using the effect of the stencil and the elements of microscopic images of live tissues. Then printed in a digital printing style, which reflect the progress of contemporary scientific in the field of biological and medical .

Keywords: Optical vision, Living tissues, printed hanging textile