

Micro cell art: innovated inspiration source of printed soiree dresses.

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Abstract:

One of the crucial and fundamental sources for inspiration for artistic and design work in the various branches of the arts is the natural world. In the field of ready-made garments, the natural environment plays a major role as a rich source of inspiration for wonderful clothing designs, where nature can be relied upon to draw inspiration for the lines, colors and texture of the dress sometimes. Recent years have witnessed the convergence of science and art in creating artistic creations in various fields, and the aesthetic image of bio cells under the microscope lenses and their irregular technical and structural formations and the diversity of textures and plastic blocks of the cell as well as the harmonious and homogeneous color mixture is one of the most important stimuli for the interest of any designer, and that was a motive for the researcher to Choosing it as an inspiration for soiree dresses for women, which prompted the researcher to search for more pictures of these inspirational cells to design a group of(6) innovative designs of soiree dresses and to make a questionnaire for five design criteria, as the first design achieved the highest rate of quality.

Keywords :

Art and Science, Sources of inspiration, Bio cell art, printed fabric

References :

- 1- Antigoni Avramouli, Maria Gonidim, Maria Lambropoulou :2017” Microscopy as a form of art”, *Technoetic Arts: A Journal of Speculative Research*, Volume 15 Number 2.
- 2- Ball P.: 2001” Life’s lessons in design”. *Nature*;409(6818):413–6.
- 3- Chen, T. Y., & Peng, L. H. (2015) :”Nature-inspired Fashion Design through The Theory of Biomimicry”. Doctoral Program, Graduate School of Design, Department of Creative Design.
- 4- Eckert, C., Stacey, M., & Clarkson, J. (2000), *Algorithms and Inspirations: “Creative Reuse of Design Experience”*, Proceedings of the Greenwich 2000 Symposium: Digital Creativity, pp. 1-10.
- 5- Goldschmidt, G. (2001), *Visual Analogy: “A Strategy for Design Reasoning and Learning, Design Knowing and Learning”*: Cognition in Design Education, Elsevier, pp. 199-219.
- 6- J. Diamond and E. Diamond:1994” Fashion apparel and accessories”, Chapter 3, Delmar Publications Inc., USA,.
- 7- Kurt Thorn:2017” A quick guide to light microscopy in cell biology”, *Molecular Biology of the Cell*, The American Society for Cell Biology, Vol. 27, No. 2, 13 Oct.
- 8- Kuo, John (2014), *Electron Microscopy: Methods and Protocols*, New York: Springer.
- 9- Lelio Orci and Michael S. Pepper:2002,” Microscopy: an art?”, *PERSPECTIVES, NATURE REVIEWS | MOLECULAR CELL BIOLOGY, VOLUME 3 | FEBRUARY*, © 2002 Macmillan Magazines Ltd.
- 10- Mete, F. (2006), The creative role of sources of inspiration in clothing design, *International Journal of Clothing Science and Technology*, Vol. 18, No. 4, pp. 278-293.
- 11- NaeimehAnzabi(2016),” Nature Inspired Clothing Design Based on Biomimicry”, *INTAN management journal*, ISSN No: 0128-3324, 2016 (12): 241-251.
- 12- Spector, David L. and Goldman, Robert D. (2006), “Basic Methods in Microscopy Protocols and Concepts from Cells”*A Laboratory Manual*, New York: Cold Spring Harbor Laboratory Press.
- 13- <https://www.you-be-fit.com/2016/06/01/10-amazing-photos-of-the-human-body-under-a-microscope/>
- 14- <https://www.cell.com/pictureshow/art-under-the-microscope>
- 15- <https://www.rosemarieoleary.com/component/tags/tag/microscopy>
- 16- <https://www.dailymail.co.uk/femail/article-2585493/A-fashion-line-inspired-disease-Theatre-professor-designs-gowns-look-like-microscopic-photos-cancer-cells.html>

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