

Using 3D Printing Technology to Embody Kandinsky's Motifs in Fashion Designs for Women

Assist. Prof. Dr/ Olfat Shawki Mohamed Mansour

Assistant professor, Apparel Department, Faculty of Applied Arts, Helwan University.

Abstract

Technological innovation is an important factor for innovative projects because coupled with creativity can provide differentiated aesthetic innovations. Fashion design is a sector that is always attentive to innovations, which may enable a different design on a final product with, higher quality, sustainability and many other factors that can add value to creation. 3D printing technology is used in fashion to engage creatively and exciting potential values inspiring, extending fashion designers' range of work and provides new aesthetic perspectives.

The most important advantages offered by 3D printing are cost reduction, time reduction, accuracy, sustainability and the separation of product design from manufacturing capabilities. Like any other technology, 3D printing has a series of disadvantages and limitations, the printed 3D garments are fairly strong and water-resistant and they cannot be treated like many popular materials we use daily such as cotton and silk.

The research aims to use woven fabrics and 3D printings in combination to embody Kandinsky's motifs and provides new aesthetic perspectives in fashion designs for women. It is also aims to draw attention to the diverse use of 3D printing technology in fashion design.

Keywords:

3D printing technology, Fashion Design, Kandinsky