



Short Communication

Fashion technology and Textile Engineering: Current Perspective

Erik Hansen-Hansen*

Fashion technology and textile engineering is an amalgamation of science, arts, technology and engineering. The fashion industry is emerging as one of the most promising and reliable sources of revenue generation as the demand for general, advanced and fashionable clothes is increasing by the day. Students with a passion for fashion can opt for a career in fashion technology where there is tremendous scope for creativity, experimentation, hard work, and dedication.

Fashion technology includes designing of clothing, sketching, manufacturing, & tailoring of garments, finishing, and even retailing. Prospective students of fashion technology need to have adequate and up-to-date knowledge of fundamental aspects and basic technicalities of garment designing, color theory, textile theory, fabric study, etc. In addition to sketching and designing, fashion technology also includes several specializations such as pattern making, garment construction, textile engineering, quality control, portfolio development, and commercial merchandising. There seems to be an immense potential for growth in the fashion technology industry. The demand for textiles for diverse applications such as safe driving jackets, space suits, school uniforms, protective clothing, laboratory aprons, and several other occupations is growing and consequently the scope for technological innovations in the fashion industry is also on the rise.

Textile engineering deals with the systematic development of clothing from yarns, fibers, fabrics and other raw materials. The textile industry is prominent all across the world and more particularly in South Asia region with some reputed textile institutions. Traditional textiles are being transformed with modern wearable, computational, and intelligent systems that are integrated into clothing. Therefore, integration of clothing and upholstery with support accessories, as well as several other technological principles and applications with enhanced comfort and safety features has become the core of research and innovation in textile engineering. Material science and material characterization of raw materials such as cotton, wool, silk, and jute is also becoming an integral part of fashion technology and textile engineering. The investment in spinning and weaving equipment is also increasing among textile-producing countries. The textile industry has the potential to grow by up to 18 percent per annum. New infrastructures are being set up. The export

potential is also growing at a steady pace. Innovative ideas and concepts in logistics and supply chain of products including e-commerce, quality control, and branding of products will be a key for providing sustainable growth in textile industry products. Similarly, development of technology for intelligent clothing in combination with electronics and information technology and their integration into textiles will also hold great relevance for future of textile industry. New solutions for defense and military applications and also for leisure and safety clothing needs to be worked upon for securing the textile industry.

Journal of Fashion Technology and Textile Engineering, established in the year 2013, is one of the leading scientific journals in this field. The journal publishes quality peer-reviewed articles at a frequency of one issue in four months. The academic and editorial activities of the journal are being monitored by an expert editorial team constituted by eminent scientists and professionals from ten different countries. The journal supports the open access initiative and all the published versions of the articles are rendered freely available to the readers all across the world. This Journal aims to present a compact yet a comprehensive body of work in the field of fashionable technology and textile engineering. The journal covers the entire range of topics from fiber to fabrics and their conversion to clothing for specific application and merchandising including testing of fibers, yarns, and fabrics, processing, environmental issues, and their solutions. The journal focuses on new raw materials for clothing, printing, and dyeing of textiles, and conversion of fabrics into garments for special applications.

Some of the important topics that the journal covers include fiber science, new textile material, clothing and apparel technology, colors & dyes, aesthetics, textile finishing and treatment technology, fashion designing, marketing, wearable electronics, branding and textile composites. Recently, the journal has published research and review articles on surface textile design of polar fleece using laser engraving technique, improvement on the performance of thermal underwear, consumer demands, lingerie styles, material study, accessories, protective gears for bikers, finite element analysis of materials, hand behavior of fabrics produced from different natural and man-made fibers, film industry and fashion, the role of crown height to achieve perfect fit in two-piece sleeve and effect desizing, scouring and bleaching chemicals on the properties cotton and viscose fabrics during pre-treatment [1-5], contributed by sixteen authors from all across the world.

References

1. Seo M, Koo YS (2021) Surface Textile Design of Polar Fleece Using Laser Engraving Technique. J Fashion Technol Textile Eng 9:2.
2. Kandarkar S (2021) 'Lingerie –Secret Styles Amalgamated with Pink City'. J Fashion Technol Textile Eng 9:4
3. Phebe Aaron K, Krishnaraj , Suresh Kumar D, Madhushankar P (2021) Study on the Materials, Accessories Used in Protective Gears for Bikers and Selection of Material there of Using Finite Element Analysis - A Review. J Fashion Technol Textile Eng 9:4.

*Corresponding author: Erik Hansen-Hansen, Danish Centre for Design Research & School of Design, Denmark, E-mail: erichasen@yahoo.com

Received: May 12, 2020 Accepted: May 24, 2021 Published: May 31, 2021

4. Singh MK (2021) A Study on Comparative Hand Behaviour of Fabrics Produced from Different Natural and Man-made Fibers. J Fashion Technol Textile Eng 9:4.
5. Daberao AM, Gupta KK, Jain MM (2021) Effect of Process (Desizing, Scouring and Bleaching) Chemicals on the Properties of the Fabrics used (Cotton and Viscose) during Pre-Treatment. J Fashion Technol Textile Eng 9:3

Author Affiliations

Danish Centre for Design Research & School of Design, Denmark