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Editorial

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A Perspective of Publicizing Fashion Technology and Textile Engineering

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Fashion technology is emerging as one of the major sectors leading to greater market potential and career-building options. It involves creativity and scientific experimentation. On the other hand, textile engineering takes into account the development of clothing from fibers, years, and fabrics. Journal of Fashion Technology & Textile Engineering is an open-access peer-reviewed journal established in the year 2013 publishing different forms of science communications at quarterly issue release frequency. The journal focuses on emerging technologies originating from the latest academic explorations and industrial research. The journal includes a wide range of aspects of fashion technology and textile engineering including designing, manufacturing, finishing, and retailing. The specific topics covered by the journal include fiber, yarn, fabric production, fundamental designing, color theory, textile theory, fabric study, pattern making, garment construction, merchandising, quality control, chemical processing, manufacture of the garments, printing, and dyeing of textiles, testing of materials as well as braiding, plaiting, and bonding of fibers and recycling. The journal focuses on various properties of fabrics and fibers and their conversion into clothing using advanced technologies including nanotechnology.

In the current issue, the Journal has published review and research article on primary hand, total hand value, tensile energy, compression energy, fullness, thermal comfort, air permeability, leather, reflectors, armors, impact, and stress. The safety of the bikers is of paramount importance in the rapidly growing motorcycle segment. Therefore the design of the biker's jacket needs to consider the safety aspect. The development of high-impact resistant material has enabled the designing of safe and stylish jackets. Aaron et al. [1] have reviewed the materials, accessories that are used for fabricating protective gears used by bikers including finite elemental analysis to facilitate the selection of material used in biker's protective jackets. It was reported that biker jackets were designed with wing and heat deflection to withstand the impacts. The study suggested that, in addition to polyurethane, Polyether sulfone, Styrene butadiene, and thermoplastic polyurethane can be considered for making the armors in motorcycle jackets.

Fibrous materials used for making clothes have different mechanical properties including stiffness, fiber length, convoluting surface, and crimp. Singh [2] studied the comparative hand behavior of natural and artificial fibers in both pure and blended forms. A Study on Comparative Hand Behavior of Fabrics Produced from Different Natural and Man-made Fibers. The study observed that wool blends in winter and silk in summer exhibited typical hand behavior depending on the properties of the blended fiber and polyester in its virgin form was found to be poor fiber with regards to hand value and further suggested that polyester fiber needs further structural modification for satisfactory hand behavior. This report provides various fiber properties and is of relevance in the designing of superior hand fabrics.

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