

Hanging by a Thread: Fashion Waste Reimagined

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Abstract : This research investigates the sustainable utilisation of textile waste within the fashion industry, with a particular focus on the wearable art piece titled "Hanging by a Thread." Through the framework of Life Cycle Assessment (LCA), this study examines the environmental implications of repurposing textile scraps and explores the potential for scalability and wider application of innovative techniques. Fashion's substantial contribution to environmental pollution, particularly through textile waste generation, underscores the urgency for sustainable practices. Drawing upon empirical evidence and scholarly insights, this research highlights the pressing need for waste reduction strategies in both the production and consumption phases of the fashion lifecycle. The innovation showcased in "Hanging by a Thread" exemplifies a paradigm shift towards circular economy principles and waste minimisation. By repurposing old textile scraps through experimental techniques, this piece embodies the transformation of waste into valuable resources, thereby challenging conventional notions of disposable fashion. Through meticulous experimentation and analysis, this study delves into the technical intricacies of the "threads on fabric" technique employed in creating "Hanging by a Thread." Insights gleaned from extensive research and testing elucidate the optimal parameters for achieving desired outcomes, thereby contributing to the advancement of sustainable textile innovation.

Keywords : fabric-manipulation, sustainability, textiles, waste, wearable-art

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