A systematic review of zero waste fashion construction techniques

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Introduction
There are a number of techniques, strategies, alternative processes and approaches to sustainable design products having a low environmental impact and positive social purpose in fashion. However, this study is only focused on the zero waste fashion construction techniques globally addressed as one of the sustainable design to give rise to the attention of fashion designers and garment manufactures.

Background
Zero waste fashion is attended to produce garments with little or no textile waste [1]. This technique can be applied to the design stage as well as the pattern cutting, fabric cutting, and production stages to facilitate material efficiency and waste reduction.

Methodology
This review aims to map literature on the techniques of Zero Waste fashion with a focus on construction aspects. The adopted search strategy involves physical and electronic databases by examining the titles and keywords, and screening abstracts descriptively to extract the relevant outcomes for the classification of the study [2].

Key Findings

1. Drape and Cut

Draping

The original lengths and widths of fabric are used with no cutting that is draped on the body or minimum cutting to reduce fabric waste.

2. Jigsaw

This approach is the same for embedded designs as for traditional jigsaw approaches [3].

3. Technologies

Technologies enable speed, efficiency and cost savings and also can enhance creativity and drive innovation.

4. Multifunctional Clothing

This technique is designing design a garment which can be worn in multiple ways including reversible design or editable components [4].

Conclusion
This systematic review provided the opportunities to re-think and re-organise the zero waste fashion construction techniques to brings a new logic and for fashion design and the fashion sector as a whole. This study also presented the parameters to the sustainable demands of the fashion industry by highlighting various zero waste construction techniques.

References