INTERNATIONAL JOURNAL OF ADVANCE RESEARCH, IDEAS AND INNOVATIONS IN TECHNOLOGY

ISSN: 2454-132X
Impact Factor: 6.078
(Volume 12, Issue 6 - V12I6-1172)
Available online at: https://www.ijariit.com

Minimizing the Environmental Impact of Fast Fashion through Online Thrift Platforms: A Path towards Sustainable Fashion and a Circular Economy

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ABSTRACT

The glamorous aura that the fashion industry once operated under is wearing thin as the negative environmental and social impacts of their products are coming into the limelight. Fast fashion has caused overconsumption, waste, and pollution. By prolonging the lifespan of garments, online thrift platforms seem to be a good fix: They can keep clothing out of landfills while also decreasing the need for new production. This paper investigates how online thrift platforms can help facilitate a more sustainable fashion industry. How do these platforms help minimize the Environmental Impact of Fast Fashion, Sustainable Fashion, Technological Influence and Reach, and a Circular Economy? Through studying these factors, we strive to deliver actionable information for the use of policymakers, industry players, and consumers.

Keywords: *Sustainable Fashion, Online Thrift Platforms, Fast Fashion, Circular Economy, Consumer Behavior, Technology, Environmental Impact*

1. INTRODUCTION

The fashion world, once seen through fabrics and runways as glamorous and innovative, is now under increasing scrutiny for its environmental cost and social impact. Fast fashion is defined by quick production cycles and cheap clothing, and this evolution has created overconsumption then waste, then pollution. A trend towards sustainable practices in fashion became evident as consumers began to realize these issues.

Since the onset of sustainable fashion, online thrift platforms have been gaining popularity and developing into a big force in the market. These platforms enable the sale of secondhand clothing, thus letting the life of clothing last longer and producing less demand for new production. Such a move towards a circular economy can alleviate the harm caused by fast fashion while paving a sustainable pathway forward.

Through this paper, we will investigate how online thrift platforms can potentially add to a more sustainable fashion industry. In this blog, we will see how these platforms can help tackle the environmental issues caused by fast fashion, encourage sustainable fashion practices, connect technology to reach a wider audience, and support a circular economy. In doing so, we hope to generate useful information for policymakers, industry players, and consumers.

These interrelated aspects help create a holistic understanding of the fashion industry and its implications on the environment and society, and the power of second-hand online platforms to incite change.

2. LITERATURE REVIEW

Fashion is a gigantic beast, and with this absolute monstrosity of an industry comes ferocious environmental and social consequences. Fast fashion has boomed, bringing with it the overconsumption, waste, and pollution associated with never-ending trend-based clothing cycles at low price points. With growing consciousness of these matters, awareness of sustainable fashion practices among consumers has been witnessed.

2.1 The Rise of Online Thrifting

Thrift fashion online has resulted in playing a major climate change movement. These platforms promote resale For example, by facilitating sales of secondhand clothes, they prolong the life of garments and decrease the need for new production. The best online thrift platforms have the following features:

Intuitive UI: A consumer-friendly platform that is simple to use and search. Transaction Security: Some reliable payment options and a safe shipping process.

Detailed product descriptions: Clear and precise details regarding the size and condition of the product Product Images – Get clear & high-resolution images to show exquisite details of the product.

Community Elements: Include social media and forums to build a feel of community

Customer Support: You should be able to rely on responsive customer service for any issue or concern.

2.2 Emerging Markets and the Global Fashion Industry

The global fashion industry occupies a sizable portion of revenue, and many emerging market countries that have a serious amount of disposable income nowadays, also have their own, more diverse middle class. The growth of fast fashion brands in these regions is because with consumers becoming more affluent and fashion-conscious, the demand for urban affordable clothing is skyrocketing. But this trend runs parallel to the environmental and social challenges of the fashion industry.

2.3 The Role of Globalization and International Trade

Globalization has brought several changes to the way how fashion industry works, the rapid expansion of the industry [via connecting producers and consumers from all over the world]. Globalization has been also aided by these international trade agreements, transforming production costs, consumer preferences, and trade politics of world fashion. And yet, globalization has also played a major role in the mass exploitation of workers, environment destruction, and the killing-off of fashion individuality.

2.4 The Circular Economy and Sustainable Fashion

Another movement that is only starting to be implemented within the fashion industry is the circular economy, which posits that everything should keep cycling through systems in the longest amount of time feasible. Core sustainable fashion practices fall within the following:

Ethical Sourcing: Ascertaining that the labor is free and the material used is acquired in the right way.

Sustainable Materials: Using eco-friendly products like organic textile materials, recycled liquid material used materials, natural dyes, etc.

Circular Design: The last capability that a successful brand for sustainable development should possess is the capability of creating long-lasting or recyclable or reusable products.

Fix it and use it: consumers should be encouraged to maximize the repair and reuse of what they purchase so that they can use it for a longer time.

Recycling and up-cycling: Through the idea of new design the reusing and reprocessing of textile waste and production of new clothes and up-cycling of other garments is initiated.

2.5 Consumer Behavior and Sustainable Fashion

This paper analyses the contribution of consumer behavior towards sustainable fashion consumption. For instance, environmental concerns, ethical concerns, or business aspects turned out to have an effect on the purchasing decision of consumers. This analysis shows that consumers' preferences and their willingness to adopt and support sustainable fashion guide the approaches that companies can use to encourage the same.

In conclusion, this paper shows there is a positive correlation between fashion and the environment and society.

However, through a sustainable approach, embracing sustainability principles, as well as proffering inventive business strategies including online thrift, the industry can reduce its detrimental effects on the environment and foster environmental sustainability.

3. METHODOLOGY

As a research design in order to analyze the feasibility of online thrift platforms as a tool for encouraging a sustainable fashion, quantitative and qualitative research approaches will be used.

3.1 Quantitative Research

Online Survey: A pre-structured questionnaire will be used to collect data from a sample of users of an online thrift platform regarding their demographics, purchase behavior, and perception of sustainability. Closed and open- ended questions that are going to be used in a survey.

Data Analysis: The data quantification phase will consist of descriptive statistics and a correlation analysis test of the data.

3.2 Qualitative Research

The methods include In-depth Interviews: Semi-structured interviews with a subset of key informants, such as owners of online thrift platforms, thrift sellers, and thrift buyers. These interviews will delve into their experiences, motivations, and perspectives on sustainable fashion.

Content Analysis: Content analysis of online thrift platform websites and social media will be performed to reveal themes and trends regarding sustainable fashion, consumer behavior, and platform features.

Thrift & Chill: The business model, target demographic, and success of a thriving online thrift platform will be explored in this case study

3.3 Data Collection

3.3.1 Quantitative Data

Data will be collected online to be disseminated on social networks, via e-mail and forums.

- The survey will be carried out as a pilot to ensure the quality of the data we collect for the University and come across different issues or uncertainties about the survey carried out.
- Interviews through online survey tools such as Google Forms or Qualtrics. Through online forums, a varied range of respondents.
- So overall, this survey is going to be run through a pilot or a pretest for making sure that there are no problems or ambiguity within the survey in order to make sure that the data quality remains intact.

3.3.2 Qualitative Data

- Interviews will be conducted, with the use of low intensity and coding.
- The content analysis will be done systematically, and it will entail coding and also the use of themes. content analysis will be conducted using a systematic approach, including coding and thematic analysis.

3.4 Data Analysis

3.4.1 Quantitative Data Analysis

A demographic description of the participants will be depicted through the use of descriptive statistics and the response to each of the survey questions will also be described descriptively.

- Descriptive analysis will be employed in order to determine the correlation between variables which will include; age, income, and attitude toward sustainable fashion.
- Expectancy theories; multiple regression analysis will be used when looking at the determinants of consumers' behavior and decisions to purchase products from TM's manufacturing firms. the distribution of responses to survey questions.
- Correlation analysis will be used to identify relationships between variables, such as the relationship between age, income, and attitudes towards sustainable fashion.
- Regression analysis will be used to examine the factors influencing consumer behavior and purchase intentions.

3.4.2 Qualitative Data Analysis

- Thematic analysis will be used to describe features and trends in response and content analysis data.• As for data analysis, the thematic analysis will be employed as a procedure wherein the data will be coded, patterns of analyzed results provided as well as the interpretation of those results will be made. lysis data.
- Thematic analysis will involve coding the data, identifying patterns, and interpreting the findings.

Hence, this research proposal seeks to adopt a mixed-method approach in generating a range of insights as to how online thrift platforms can be used to create awareness of sustainable fashion. The results of this study can help to design the most efficient approaches and interventions that might prevent the negative effects that the garment industry imposes on the environment.

4. DISCUSSION

Altogether, this research offers benefits to establish an understanding of how online thrift platforms might help to encourage sustainable fashion consumption. The continuous adoption of these platforms by younger consumers, especially millennials and Gen Z, is a result of consumers' heightened awareness of ecological and social questions.

Among the conclusions, they have identified the importance of practicing the increase in consumer interest through social media. Social media allows users to showcase items that were bought second-hand, find people with the same interests, and engage with them in social groups. This is a pioneering social facet of online thrifting as practiced by those consumers to promote sustainable consumption patterns besides creating a sense of belonging among them.

A second significant discovery is issues of economic concern which play a role in consumers' behaviors. This helps increase interest in purchasing secondhand clothing, especially during a recession, due to their relatively cheap price. Also, given the growing concerns for particular items that may not be available from traditional, standard shops, the need to find and access these platforms may be ideal.

Although new online thrift platforms are more promising for the change of the fashion industry, there are still some issues to be solved. Some factors would include, whether the products are genuine, the quality and standard of the products, and the shipment of those products to the customers. Additionally, the costs associated with shipping and packaging online thrifting have to be kept low to reduce environmental costs.

5. CONCLUSION

To sum up, online thrift platforms have come out to be an effective means of promoting sustainable fashion.

These platforms also help reduce waste, save resources, and promote a circular economy, by enabling the resale of secondhand clothing. For them to have maximum effect, the online thrift platforms would have to continually create, develop, and grow to be in line with ever-evolving consumer preferences.

5.1 Implications and Future Research

Future research may evaluate the consumer behavior impacts of online thrifting in the long term, the comparative effectiveness of platforms of various models, and the potential for technology as a major driving force towards sustainable fashion. Hopefully, by determining the answers to these research questions, we will have a greater insight into how the future of fashion will be shaped by the factors that influence consumer choices between low-cost fast fashion and online thrift platforms.

REFERENCES

[1] Aryaputra, R. T., Wibowo, T. O., Stefan, R. J., & Yusiana, R. (2023). The Phenomenon of Thrifting As An Alternative Solution Related to Reducing Environmental Impact on Fast Fashion. https:// doi.org/10.55927/fjmr.v2i8.5696

[2] Farghaly, S., Alaswad, M., Fiad, N., Muhammad, R., Muhammad, K., & Hassabo, A. (2024). The impact of fast fashion on sustainability and Eco-friendly environment in fashion design world. *Journal of Textiles Coloration and Polymer Science*, *0*(0), 0. https://doi.org/10.21608/jtcps.2024.258355.1256

[3] Fauzan, N., & Jaroenwanit, P. (2024). Streamlines of Fear of Missing Out through Young Consumer Thrifting Fashion Future Trends: A Bibliometric and Visualization Analysis [Bibliometric Analysis]. *Thammasat Review*, *27–27*(1), 52–76. https://doi.org/10.14456/tureview.2024.3

[4] Fitryani, F., Aditya Surya Nanda, & Fakultas Ekonomi dan Bisnis, Universitas Wijaya Putra. (2022). Thrift Shoping trends in building word of mouth and increasing shopping interest in ecommerce Shopee. In *Jurnal Ekonomi* (Vol. 11, Issue 03, pp. 307–308) [Journal-article]. http://ejournal.seaninstitute.or.id/ index.php/Ekonomi

[5] Mohammed, V., Razé, A., & International Operational Marketing, Paris Nanterre University, Nanterre, France. (2023). Towards Sustainable Fashion Consumption: An Exploratory study of consumer behavior in a developing country. *Journal of Sustainable Marketing*, 90–109. https://doi.org/10.51300/JSM-2023-105

[6] Nguyen, T. G. T. (2024). The impact of economic incentives on the purchase behavior of recycled fashion and footwear [Research Article]. *Journal of Studies in Management and Finance Economics*, *07*(09), 5876– 5877. https://www.ijefm.co.in

[7] Niinimäki, K., Peters, G., Dahlbo, H., Perry, P., Rissanen, T., & Gwilt, A. (2020). The environmental price of fast fashion. Nature Reviews Earth & Environment. https://www.researchgate.net/publication/340635670

[8] Pears, K. E., B. Des. Hons. (2006). Fashion Re-consumption; developing a sustainable fashion consumption practice influenced by sustainability and consumption theory. In RMIT University, *School of Architecture and Design Design and Social Context Portfolio*.

[9] Singh, J., & Bansal, S. (2024). The impact of the fashion industry on the climate and ecology. *World Journal Of Advanced Research and Reviews*. https://doi.org/10.30574/wjarr.2024.21.1.2610

[10] Walean, R., Lumeno, K., & Lendo, P. (2024). Factors that influence thrift product online purchasing decisions. In *Mantik Journal* (Vol. 8, Issue 1, pp. 347–355) [Journal-article]. https://www.iocscience.org/ejournal/ index.php/mantik