

Role of Digital Marketing in Influencing Women's Perception towards Sustainable Products

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Abstract: *In recent years, the intersection of digital marketing and sustainability has garnered significant attention. This paper delves into the pivotal role digital marketing plays in shaping women's perceptions towards sustainable products. With women increasingly becoming key decision-makers in household consumption and showing a growing interest in sustainability, understanding how digital marketing strategies influence their perceptions is crucial. Furthermore, it investigates how factors such as informational content, visual appeals, and interactive engagement influence women's cognitive processes and decision-making regarding sustainable consumption. By examining various digital marketing tools and tactics, along with psychological and socio-cultural factors, this paper aims to provide insights into how sustainable brands can effectively leverage digital platforms to engage and influence female consumers positively.*

Keywords: Consumer Buying Behaviour, Digital Marketing, Green Products, Social Media, Sustainable Consumption, Women's Perception

I. INTRODUCTION

The depletion of natural resources and the rising amounts of waste generated by economic expansion have drawn the attention of governments and society to sustainable production and consumption. The United Nations (UN) established a 2030 agenda in 2015 that included 17 Sustainable Development Goals (SDGs), one of which was "Responsible Production and Consumption," which aims to achieve social inclusion, economic growth, and environmental protection. In addition to the recommendations made by NGOs and national governments, academics have recently recorded the rising level of environmental awareness among consumers, who are becoming more conscious of their role and duties and exhibiting a more positive attitude towards sustainable products [1-3]. As more companies are recognizing the benefits of environmentally friendly practices, they are starting to adopt greener production processes to tap into new business opportunities[4].

Businesses are attempting to accomplish these goals in a variety of ways, including by investing in cutting-edge technologies, developing new sustainable products intended to capture untapped markets, investing in image and brand equity, achieving quality standards and certifications, and using less harmful production processes [5-7]. Researchers began examining the variables that influence sustainable consumer behaviour and the elements that can influence the purchase of sustainable goods, frequently producing contradictory findings[8,9]. Social and psychological aspects are considered in some of the most popular methods. These studies focus on the influence of factors like consumer attitudes towards sustainable products, consumer values and beliefs, and the influence of society to explain consumer behaviour. They are based on well-known sociological and psychological theories, such as the theory of planned behaviour or the value-norm-belief theory[10,11].

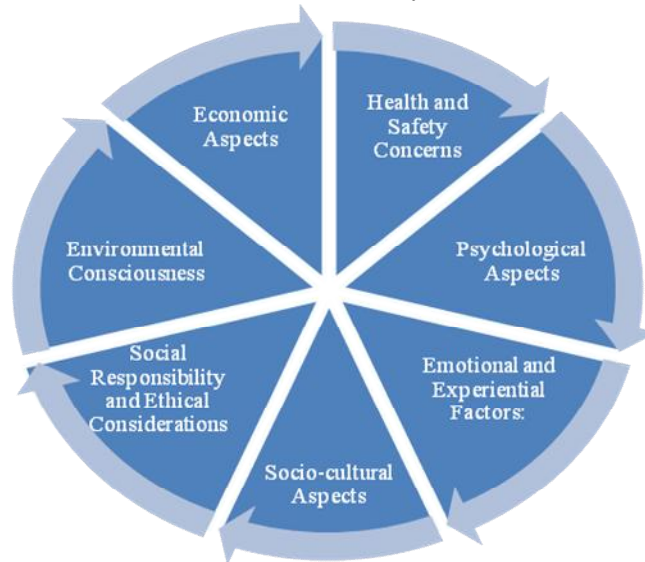
The results of these studies indicate that the market share of sustainable products does not exceed 3-4%, even though many consumers claim to be aware of environmental issues and to intend to buy sustainable products by altering their consumption patterns and paying a higher price [12,13]. The term "intention-behavior" gap refers to this issue [14,15]. Other studies take a different tack on the issue, differentiating between functional and environmental effect elements, which helps to elucidate the causes behind this disparity. The former takes into account the elements—like the adoption of sustainable materials and production methods—that improve the sustainability of the product. The latter

comprise conventional performance metrics like cost, longevity, and aesthetics. As a result, numerous studies examine how these two elements' categories interact in an attempt to explain consumer choices [16, 17].

However, the research examining customers' perceptions of sustainable products still gives unclear and inconclusive conclusions, despite the volume and significance of the contributions. It is typical for various research to give comparable factors varying degrees of relevance. For instance, the authors in [15] discover that customers of organic food have purchasing behaviour that is positively influenced by intention and adversely influenced by subjective norms, based on the notion of planned behaviour. While acknowledging the beneficial impact of attitude, The author also looks into how customers view organic food and makes the claim that subjective standards are irrelevant [18]. According to the literature, customers' perceptions of sustainable products are influenced by various elements, which vary based on the product's features, type, and context. In spite of this, the majority of research concentrate on the impact of individual variables and components, producing isolated findings. For instance, a lot of research examines how much price affects consumers' decisions to buy sustainable goods[19,20]. The triple bottom line framework [21] offers an alternative to these strategies by recommending that businesses adopt a comprehensive strategy for sustainability in their operations that takes into account the three aspects of social development, environmental preservation, and economic performance [22–24]. However, very few research take into account how these three dimensions interact.

Consequently, a critical analysis is necessary due to the absence of systematisation in the literature studying the aspects impacting customers' perceptions of sustainable products. Women represent a significant consumer demographic with considerable influence over household purchasing decisions, including those related to sustainable products. Understanding the factors that shape women's perceptions of sustainability is essential for businesses and marketers seeking to engage this influential demographic effectively. This paper aims to explore the various digital marketing strategies influencing women's attitudes towards sustainable products, providing valuable insights for businesses aiming to develop targeted marketing strategies in this domain. By analysing and synthesising digital marketing tactics that offer a comprehensive perspective on the elements impacting women's perceptions of sustainable products, this study seeks to make a contribution.

1.1 Factors Influencing Women's Attitudes towards Sustainability



Environmental consciousness is the awareness of environmental issues and the commitment to sustainable activities of individuals [25]. High environmental consciousness women are more likely to place a high value on sustainability when making purchases because they are concerned about pollution, resource depletion, and climate change. When choosing items, women frequently put their own and their families' health and safety first [26]. Women tend to select sustainable options that support both environmental and personal health because they want non-toxic, chemical-free products. Women's attitudes towards sustainability are greatly influenced by social responsibility and ethical issues [27]. Women

are more likely to support companies and goods that share their commitment to justice, fairness, and moral business conduct.

Women's opinions about sustainability are greatly influenced by their values, beliefs, and sense of self [28]. Individuals who place a high priority on social and environmental issues are more likely to be in favour of sustainable goods that uphold their moral principles and advance constructive social change. Women's views towards sustainable consumption are greatly influenced by social norms and peer pressure [29]. Women's views about sustainability are reinforced or challenged by the actions and viewpoints of the people in their social circles, such as friends, family, and online forums. Women's opinions of sustainable products are also influenced by experiential elements and emotional reactions [30]. They are more likely to embrace and promote sustainable options when they have had positive experiences, strong emotional bonds, and appealing sensory experiences.

One significant factor influencing women's attitudes towards sustainable products is the effectiveness of digital marketing strategies in promoting eco-friendly options. Digital marketing channels offer businesses a means to inform, involve, and motivate female consumers to make sustainable choices. Previous studies indicate that content marketing campaigns, like educational blog posts and films, can successfully increase women's understanding of sustainable behaviours. Furthermore, it has been demonstrated that social media marketing, which features sustainable products and lifestyle options on sites like Instagram and Pinterest, influences women's purchase decisions. By leveraging digital marketing, businesses can tailor their messaging to appeal to women's values and preferences, ultimately driving the demand for eco-friendly products.

II. DIGITAL MARKETING STRATEGIES THAT TAILORED WOMEN'S PURCHASE EXPERIENCES OF SUSTAINABLE PRODUCTS

In recent years, there has been a significant rise in consumer interest towards sustainability, particularly among women. As key decision-makers in household purchases, women play a crucial role in driving demand for sustainable products. To cater to this growing segment of environmentally-conscious female consumers, businesses need to develop digital marketing strategies that effectively engage and resonate with them.

- **Personalized Content Marketing:** Personalization is paramount in capturing the attention of female consumers interested in sustainable products. By leveraging data analytics and insights, businesses can create personalized content that aligns with women's values, preferences, and purchasing behaviours. Content such as blog posts, social media updates, and email newsletters can highlight the sustainability efforts of the brand, eco-friendly product features, and their positive impact on the environment. Tailoring content to address specific concerns and interests of women enhances their engagement and fosters a sense of connection with the brand.
- **Influencer Partnerships:** Collaborating with influencers who share the same values of sustainability can be an effective strategy to reach and influence female consumers. Women often seek recommendations from trusted individuals who embody the lifestyle they aspire to lead. Partnering with influencers who authentically promote sustainable living can amplify the brand's message and appeal to a wider audience. Influencers can create engaging content showcasing how they integrate sustainable products into their daily lives, thereby inspiring their followers to make similar choices.
- **Interactive Digital Experiences:** Interactive digital experiences provide women with a more immersive and engaging shopping journey. Features such as virtual try-on tools, interactive product demonstrations, and augmented reality applications allow consumers to visualize and experience sustainable products in a personalized way. These interactive elements not only enhance the shopping experience but also address common barriers such as uncertainty about product suitability and efficacy. By offering a seamless blend of entertainment and information, brands can captivate women's interest and encourage them to make informed purchase decisions.
- **Community Building:** Building a community around sustainable living can foster a sense of belonging and empowerment among female consumers. Digital platforms such as online forums, social media groups, and dedicated mobile applications provide spaces for women to connect, share experiences, and support each other on their sustainability journey. Brands can facilitate these communities by creating branded channels where

consumers can engage in meaningful discussions, participate in challenges, and access exclusive content and rewards. By nurturing a community-driven approach, brands can strengthen their relationship with female consumers and cultivate brand loyalty over time.

- **Transparent Communication:** Transparency is essential in building trust and credibility, particularly when promoting sustainable products. Women value authenticity and honesty from brands, especially regarding their environmental and social impact. Digital marketing strategies should emphasize transparent communication about the sourcing, manufacturing, and packaging processes of sustainable products. Providing detailed information about certifications, eco-friendly initiatives, and ethical practices demonstrates a commitment to accountability and integrity. By being transparent, brands can instil confidence in female consumers and differentiate themselves in the competitive market landscape.

By embracing personalization, leveraging influencer partnerships, creating interactive experiences, building communities, and prioritizing transparent communication, brands can effectively connect with female consumers and empower them to make environmentally-conscious choices. As sustainability continues to shape consumer preferences, businesses must adapt and innovate their digital marketing approaches to meet the evolving needs and expectations of women in the sustainable marketplace.

III. NAVIGATING CHALLENGES IN DIGITAL MARKETING STRATEGIES FOR WOMEN'S SUSTAINABLE PRODUCT PURCHASE EXPERIENCES

While women's purchasing experiences with sustainable products present big prospects, firms must effectively traverse certain hurdles associated with digital marketing strategies tailored to women's buying experiences:

- **Information overload:** Women may find it difficult to choose between businesses and products that are truly sustainable due to the deluge of information available online. It can be difficult to cut through the clutter and convey a brand's sustainability efforts through clear, succinct language.
- **Greenwashing:** The act of deceiving customers about the environmental advantages of a brand's goods or operations is practiced by certain companies. Enthusiastic about sustainability, women are becoming more critical of brands and may even start to distrust them. To prevent charges of greenwashing, marketing communications must uphold authenticity and transparency.
- **Skepticism and Trust Issues:** Women could be wary of sustainability claims made by brands, particularly if they have been duped in the past or if the company lacks transparency. It is essential to establish trust by regular, open communication, but overcoming pre-existing scepticism takes time and work.
- **Cost Considerations:** Sustainable products are often more expensive due to the use of environmentally friendly materials, ethical labour methods, and other sustainable activities. If women think these products are too costly, especially given their limited budgets, they could be reluctant to purchase them. For marketers, the promotion of sustainability while maintaining cost is a tricky balance.
- **Limited Accessibility:** Owing to things like geographic location or constrained distribution channels, certain women may not have convenient access to sustainable products. It is imperative for digital marketing strategies to tackle accessibility concerns by guaranteeing the availability of sustainable products on online platforms and providing convenient and reasonably priced shipping choices.
- **Socioeconomic and Cultural Factors:** Women's attitudes towards sustainability and their readiness to embrace eco-friendly behaviours can be influenced by socioeconomic and cultural standards. When creating digital marketing efforts, marketers need to take these things into account to make sure they appeal to a variety of people.
- **Education and Awareness:** It's likely that a lot of women are unaware of the challenges associated with sustainability and how their purchases affect the environment. While it can be difficult in a cluttered digital market, educating customers about the value of sustainability and informing them of the ways in which their decisions can have an impact are crucial.

A multidimensional strategy involving cross-functional cooperation with product development, supply chain management, and customer support departments in addition to marketing teams is needed to address these difficulties.

Businesses may effectively engage women in sustainable purchasing experiences through digital marketing tactics by prioritising authenticity, transparency, accessibility, and education.

IV. IMPLICATIONS & FUTURE DIRECTIONS

There are broad ramifications when it comes to women's sustainable product buying experiences when the issues are addressed and efficient digital marketing techniques are employed. Businesses that can effectively engage female consumers in sustainable buying excursions will see improvements in their market competitiveness, customer loyalty, and brand reputation. Additionally, by encouraging sustainable purchasing practices, these initiatives support more general societal objectives of social responsibility and environmental preservation. From the standpoint of the consumer, women have the ability to make decisions that are in line with their beliefs and lead to positive change. Furthermore, the focus on responsibility and openness in marketing communications builds customer and brand trust and establishes the groundwork for enduring partnerships.

There are numerous opportunities for more research and development in this field in the future. First off, as technology develops more, companies can improve the efficacy and efficiency of their marketing campaigns by utilising newly available digital tools and platforms. Artificial intelligence and data analytics developments, for example, can facilitate more advanced personalisation and targeting, and virtual and augmented reality technologies present new avenues for creating immersive product experiences. Furthermore, how sustainable product marketing is shaped will depend on continuous attempts to address sustainability concerns including cutting carbon emissions and supporting circular economy practices. Moreover, stakeholders—companies, customers, legislators, and advocacy organizations—need to keep working together and sharing expertise. Together, these stakeholders have the power to mobilise action in the direction of a fairer and more sustainable future. Furthermore, funding consumer education and awareness programmes will be essential to enabling women to make wise decisions and develop sustainable purchasing practices.

There are plenty of opportunities for good effect at the nexus of women's purchasing behaviour, sustainability, and digital marketing. This is a dynamic and changing field. Businesses may take the lead in bringing about significant change and building a more sustainable environment for present and future generations by tackling issues, realising the consequences, and embracing new directions.

V. CONCLUSION

Finally, the consideration of digital marketing techniques focused on women's buying experiences with sustainable products emphasises the necessity of matching marketing efforts to customer values, interests, and concerns. Businesses may effectively engage female consumers and empower them to make sustainable purchase decisions by utilising personalised marketing, influencer relationships, interactive experiences, community-building, and open communication. This project is not without difficulties, though, such as the need for education and awareness as well as information overload, greenwashing, trust issues, financial considerations, limited accessibility, and cultural considerations. A comprehensive strategy that places a high value on accessibility, education, transparency, and authenticity is needed to overcome these obstacles. Despite these challenges, there are a lot of potential advantages to serving the expanding market of environmentally concerned female consumers, including increased brand loyalty and good social and environmental impact.

REFERENCES

- [1]. Chi, T.; Ganak, J.; Summers, L.; Adesanya, O.; McCoy, L.; Liu, H.; Tai, Y. Understanding perceived value and purchase intention toward eco-friendly athleisure apparel: Insights from US millennials. *Sustainability* 2021, 13, 7946.
- [2]. de Medeiros, J.F.; Garlet, T.B.; Ribeiro, J.L.D.; Cortimiglia, M.N. Success factors for environmentally sustainable product innovation: An updated review. *J. Clean. Prod.* 2022, 345, 131039.
- [3]. Testa, R.; Migliore, G.; Schifani, G.; Tinebra, I.; Farina, V. Chemical–Physical, Sensory Analyses and Consumers' Quality Perception of Local vs. Imported Loquat Fruits: A Sustainable Development Perspective. *Agronomy* 2020, 10, 870.

- [4]. Vătămănescu, E.M.; Dabija, D.C.; Gazzola, P.; Cegarro-Navarro, J.G.; Buzzi, T. Before and after the outbreak of COVID-19: Linking fashion companies' corporate social responsibility approach to consumers' demand for sustainable products. *J. Clean. Prod.* 2021, 321, 128945.
- [5]. Kamboj, S.; Rahman, Z. Market orientation, marketing capabilities and sustainable innovation: The mediating role of sustainable consumption and competitive advantage. *Manag. Res. Rev.* 2017, 40, 698–724.
- [6]. Shabbir-Husain, R.V.; Varshney, S. Is Current Way of Promoting Sustainability, Sustainable? *J. Non-Profit Public Sect. Mark.* 2019, 31, 84–113.
- [7]. Watz, M.; Hallstedt, S.I. Towards sustainable product development—Insights from testing and evaluating a profile model for management of sustainability integration into design requirements. *J. Clean. Prod.* 2022, 346, 131000.
- [8]. Ahamat, A.; Ahmad, S.Z.; Mohd, R.B.K. An empirical investigation on Malaysians' green purchasing behaviour. *Int. J. Manuf. Technol. Manag.* 2018, 32, 237–254.
- [9]. Moser, A.K. Consumers' purchasing decisions regarding environmentally friendly products: An empirical analysis of German consumers. *J. Retail. Consum. Serv.* 2016, 31, 389–397.
- [10]. Nguyen, N.T.; Nguyen, L.H.A.; Tran, T.T. Purchase Behavior of Young Consumers Toward Green Packaged Products in Vietnam. *J. Asian Financ. Econ. Bus.* 2021, 8, 985–996.
- [11]. Visser, R.; Dlamini, S. Green Purchasing Behaviour towards Compostable Coffee Pods. *Sustainability* 2021, 13, 6558.
- [12]. Bray, J.; Johns, N.; Kilburn, D. An exploratory study into the factors impeding ethical consumption. *J. Bus. Ethics* 2011, 98, 597–608.
- [13]. Ritter, A.M.; Borchardt, M.; Vaccaro, G.L.R.; Pereira, G.M.; Almeida, F. Motivations for promoting the consumption of green products in an emerging country: Exploring attitudes of Brazilian consumers. *J. Clean. Prod.* 2015, 106, 507–520.
- [14]. Adrita, U.W.; Mohiuddin, M.F. Impact of opportunity and ability to translate environmental attitude into ecologically conscious consumer behaviour. *J. Mark. Theory Pract.* 2020, 28, 173–186.
- [15]. Testa, F.; Sarti, S.; Frey, M. Are green consumers really green? Exploring the factors behind the actual consumption of organic food products. *Bus. Strateg. Environ.* 2019, 28, 327–333.
- [16]. Nam, C.; Dong, H.; Lee, Y. Factors influencing consumers' purchase intention of green sportswear. *Fash. Text.* 2017, 4, 2.
- [17]. Paparoidamis, N.G.; Tran, T.T.H.; Leonidou, L.C.; Zeriti, A. Being Innovative While Being Green: An Experimental Inquiry into How Consumers Respond to Eco-Innovative Product Designs. *J. Prod. Innov. Manag.* 2019, 36, 824–847.
- [18]. Soon, J.M.; Wallace, C.A. A greater share of the stomach? Role of provenance and ethical standards on consumers' food choices and purchasing intentions. *Nutr. Food Sci.* 2018, 48, 318–332.
- [19]. Aschemann-Witzel, J.; Zielke, S. Can't buy me green? A review of consumer perceptions of and behavior toward the price of organic food. *J. Consum. Aff.* 2017, 51, 211–251.
- [20]. Dekhili, S.; Achabou, M.A. Price fairness in the case of green products: Enterprises' policies and consumers' perceptions. *Bus. Strategy Environ.* 2013, 22, 547–560.
- [21]. Elkington, J. Toward the Sustainable Corporation: Win-Win-Win Business Strategies for Sustainable Development. *Califor. Manag. Rev.* 1994, 36, 90–100.
- [22]. Bangsa, A.B.; Schlegelmilch, B.B. Linking sustainable product attributes and consumer decision-making: Insights from a systematic review. *J. Clean. Prod.* 2020, 245, 118902.
- [23]. Piligrimiene, Z.; Žukauskaitė, A.; Korzilius, H.; Banytė, J.; Dovalienė, A. Internal and External Determinants of Consumer Engagement in Sustainable Consumption. *Sustainability* 2020, 12, 1349.
- [24]. Sharma, M.; Joshi, S. Brand sustainability among young consumers: An AHP-TOPSIS approach. *Young Consum.* 2019, 20, 314–337
- [25]. Bellman, S., Johnson, E. J., & Lohse, G. L. (2000). To Buy or Not to Buy? A Model of Consumer Decision Making Online. *Journal of Consumer Psychology*, 9(1), 83–100.

- [26]. Chiu, C.-M., Lin, H.-Y., & Tang, L.-M. (2005). Gender Differences in Perceptions Toward Online Purchase in Taiwan. *Gender, Technology and Development*, 9(2), 183–197.
- [27]. Holloway, B. B., & Beatty, S. E. (2008). Satisfiers and Dissatisfiers in Online Shopping: A Critical Incident Technique Analysis. *Journal of Business Research*, 61(6), 603–610.
- [28]. Jain, V., & Jain, S. (2011). Factors Affecting the Adoption of Online Shopping Among Indian Consumers. *Global Business Review*, 12(1), 73–91.
- [29]. Khare, A., & Rakesh, R. (2011). Exploring the Attitude towards Online Shopping: A Study of the Youth in India. *International Journal of Retail & Distribution Management*, 39(2), 113–132.
- [30]. Aryasri, A. R., & Prasad, M. S. (2009). e-business and its impact on organizational performance: a study on banking industry. *The Icfai Journal of Services Marketing*, 7(2), 57-77.