



International Journal of Advance Studies and Growth Evaluation

Green Marketing and Consumer Willingness to Pay for Eco-Friendly Products: A Contemporary Analysis

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Article Info.

E-ISSN: 2583-6528

Impact Factor (SJIF): 6.876

Peer Reviewed Journal

Available online:

www.alladvancejournal.com

Received: 19/Oct/2025

Accepted: 21/Nov/2025

Abstract

In recent years, environmental degradation, climate concerns, and rising consumer awareness have driven organisations to adopt green marketing strategies. This paper examines how green marketing influences consumer willingness to pay (WTP) for eco-friendly products. Using secondary literature and conceptual analysis, the study explores the relationship between environmental consciousness, green marketing tools, perceived value, and WTP. The findings reveal that consumers-especially young, educated, and urban groups-show positive attitudes toward sustainable products, though price sensitivity and trust issues remain major barriers. The paper concludes that transparent communication, credible certifications, and long-term value creation are essential for enhancing consumer willingness to pay for environmentally responsible goods.

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Keywords: Green marketing, Consumer behaviour, Eco-friendly products, Sustainability, Willingness to pay.

Introduction

Environmental sustainability has become a central concern for governments, businesses, and consumers alike. Increasing pollution, climate change, deforestation, and waste accumulation have created global pressure to adopt responsible consumption patterns. As a result, companies are integrating sustainability into their marketing strategies, widely known as green marketing.

Green marketing refers to the promotion of products based on their environmental benefits, such as reduced carbon footprint, recyclability, biodegradability, or the use of natural ingredients. While organisations are adopting such practices, the success of green products ultimately depends on consumer acceptance. A critical factor in this acceptance is consumers' willingness to pay (WTP) a price premium for environmentally friendly alternatives.

This paper attempts to analyse whether green marketing influences consumer WTP, and what factors enhance or restrict this willingness in the current market environment.

Review of Literature

Peattie (1995) provided an early framework of green marketing, highlighting the environmental responsibilities of modern businesses. As sustainability gained global

momentum, research began to focus on consumer responses to green initiatives.

Ottman (2006) argued that environmental benefits must be supported by performance quality to attract consumers. According to Chen & Chai (2010), green marketing strategies positively influence attitudes, but high prices prevent mass adoption. Studies by Laroche *et al.* (2001) showed that women and higher-income consumers are more willing to pay for green products.

Recent literature emphasises trust. Nguyen *et al.* (2020) found that consumers distrust green claims due to the rise of "greenwashing", reducing WTP. However, Joshi & Rahman (2019) highlight that the presence of credible eco-labels improves perceived authenticity and enhances purchase intentions.

According to Schlegelmilch *et al.* (1996), environmental concern is a strong determinant of green purchasing behaviour. Their study suggests that individuals with higher ecological consciousness are more likely to prefer environmentally responsible brands. Dunlap & Jones (2002) propose that environmental concern is not only shaped by education but also by global awareness and media exposure, making it an essential variable influencing willingness to pay.

Thøgersen (2000) emphasises that eco-labels enhance consumer understanding by reducing information asymmetry between buyers and sellers. His research indicates that certified labels function as credible cues that build trust and reduce scepticism. Testa *et al.* (2015) further reveal that eco-labels increase perceived product value, thereby improving consumer willingness to pay a premium for sustainable products.

Grankvist *et al.* (2004) argue that personal values-especially altruism and openness-shape green purchase attitudes. Their study confirms that consumers with strong environmental values are more likely to accept green marketing messages and express willingness to pay higher prices. Stern (2000) suggests that pro-environmental attitudes are driven by awareness of consequences and personal norms.

Studies in the Indian context provide valuable insights. Kanchanapibul *et al.* (2014) note that Indian consumers are environmentally aware but highly price-sensitive. Awasthi & Banerjee (2021) observe that Indian buyers respond positively to sustainability claims only when they trust the brand. Singh & Verma (2017) highlight that urban Indian consumers, particularly youth, show strong interest in green products but often hesitate to pay a premium due to budget constraints.

Overall, the literature suggests a positive relationship between green marketing and consumer WTP, moderated by price, trust, income, and knowledge.

Research Gap

Although substantial research exists on green marketing, fewer studies analyse the direct link between specific green marketing practices and WTP in the Indian context, where price sensitivity remains high. Moreover, there is limited discussion on the psychological factors-such as personal values and environmental consciousness-that influence WTP.

Objectives of the Study

1. To understand the concept and components of green marketing.
2. To analyse consumer awareness and perception of eco-friendly products.
3. To examine the determinants of consumer willingness to pay.
4. To identify challenges faced by companies in promoting green products.
5. To offer suggestions for strengthening green marketing effectiveness.

Research Methodology

The present study is descriptive and conceptual, based on secondary data collected from academic journals, industry reports, government publications, and credible online sources. The paper synthesises findings from existing research to present a comprehensive understanding of the topic.

Conceptual Framework

Green Marketing

Green marketing includes strategies that highlight environmental benefits, such as:

- Environmentally responsible packaging
- Energy-efficient production processes
- Use of organic or biodegradable materials
- Recycling and waste-reduction initiatives
- Eco-labels and sustainability certifications
- Green pricing and campaigns promoting environmental welfare

Consumer Willingness to Pay (WTP)

WTP represents the highest price a consumer is ready to pay for an eco-friendly product. It is influenced by:

- Environmental concern
- Perceived product quality
- Trust in green claims
- Income level
- Social influence
- Brand reputation

Analysis and Discussion

Rising Environmental Awareness

Urban consumers are increasingly aware of sustainability issues. Younger consumers, especially those exposed to global discussions on climate change, show positive attitudes toward eco-friendly products. This awareness drives curiosity and interest in green marketed items.

Influence of Green Marketing Tools

Communication tools such as eco-labels, recyclable packaging, green branding, and nature-based advertising significantly shape perceptions. When companies communicate transparently about their sustainability initiatives, consumers are more likely to consider paying higher prices.

Price Sensitivity

Despite positive attitudes, price remains a major barrier. Many consumers believe green products are expensive. In developing economies like India, affordability is a key determinant of purchase decisions.

Trust and Greenwashing Concerns

Greenwashing-misleading environmental claims-has increased consumer scepticism. When trust decreases, WTP also reduces. Authentic third-party certifications (FSSAI organic, Energy Star, Forest Stewardship Council) help build credibility.

Perceived Value and Product Benefits

Consumers are willing to pay more when eco-friendly products offer additional benefits such as:

- Longer durability
- Health and safety advantages
- Better quality ingredients
- Social responsibility satisfaction

Products perceived as superior generate higher WTP.

Challenges in Green Marketing

1. High production cost of eco-friendly materials and processes.
2. Lack of standardised certifications, leading to consumer doubt.
3. Limited awareness in rural and semi-urban segments.
4. Greenwashing reducing long-term trust.
5. Price-conscious market, especially in middle-income groups.

Suggestions

1. Transparent communication of environmental benefits with real data.
2. Use of recognised eco-labels and certifications to build trust.
3. Awareness campaigns to educate consumers on long-term benefits.

4. Competitive pricing strategies, including small-size packs.
5. Collaboration with government for subsidies and incentives to reduce production costs.
6. Promotion of brand storytelling to highlight sustainability journeys.

Conclusion

Green marketing plays a crucial role in shaping environmentally conscious behaviour among consumers. Although attitudes toward eco-friendly products are generally positive, actual willingness to pay depends on perceived value, trust, and affordability. Organisations must balance environmental responsibility with transparent communication and competitive pricing. Strengthening consumer trust and creating long-term value can significantly enhance WTP and support the transition toward a sustainable market.

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