ATTITUDES OF YOUNG EUROPEAN CONSUMERS TOWARD RECYCLING CAMPAIGNS OF TEXTILE COMPANIES

Magdalena Grębosz-Krawczyk, Dagna Siuda
Faculty of Management and Production Engineering, Lodz University of Technology, Lodz, Poland, tel. +48 42 631 3681; fax. +48 42 631 2862; e-mail, magdalena.grebosz@p.lodz.pl, dagna.siuda@p.lodz.pl

Abstract:

The aim of this article was to identify the attitudes of young consumers in Europe toward recycling campaigns of clothing companies. In the article, the results of own empirical research conducted among young consumers from Poland, France, and Spain in the fourth quarter of 2017 are presented. Recycling campaigns implemented by fashion brands, consisting of exchanging old clothes for discount vouchers, are an example of environmentally friendly innovations and fit into the concept of circular economy. The research results confirmed a minor engagement of young consumers in recycling campaigns of clothing companies. However, they declared the willingness to participate in such actions. According to the authors, an effective marketing communication strategy is fundamental to engage young consumers in clothing recycling and develop sustainable forms of clothing disposal. Clothing companies that are perceived as supporting the environment have a chance to reinforce the brand image.

Keywords:

textile products, eco-friendly innovations, ecological attitudes, circular economy

1. Introduction

Environmental issues as well as issues concerning the effect of the environment on consumer behavior appeared in the 1970s and are being developed until now [1–3]. The current environmental trends in production and marketing resulted in a closed-loop situation. There is a growing demand for environmentally friendly and ecological products, and consumers are ready to pay price premiums for them [4, 5]; therefore, the marketers explore the usage of environmentally friendly brands and labels as a competitive advantage [6]. Over the years, buyers have realized that their purchasing behavior can have a direct impact on the environment [7]. As a result, some of them are considering environmental issues by checking whether producer has used recycled materials or by purchasing sustainable products [8]. However, the awareness of the importance of clothing recycling is still negligible.

Currently, textile disposal is an increasing problem in the world. Moreover, fast fashion retailing is leading consumers toward an increased rate of purchasing and the trend to keep clothing for an even shorter time with the resulting rise in clothing disposal [9]. The solution to this situation may be the regular implementation and promotion of sustainable discarding of textile waste by fashion brands.

The aim of this article was to identify the attitudes of young consumers in Europe toward recycling campaigns of clothing companies.

2. Textile disposal

Increasing volumes of textiles are being produced, purchased, and disposed of in landfill sites. For decades, the ubiquitous practices of the apparel industry have involved rapid production, short lead time, and increasing number of fashion seasons with lower cost materials and labor [10, 11]. It is estimated that cotton fields cover 2.4% of world’s cropland [12] and cotton production requires 10% of the annual worldwide usage of all synthetic pesticides [12, 13] and nearly 25% of insecticides [14]. The toxicity persistently impacts the environment, and it leads to destroying of cultivation as well as degradation of natural resources. 132.5 l of water is consumed to dye one pound of textile [13], and a significant amount of gasoline is consumed for transport. Textiles cause specific problems in landfills as synthetic products do not decompose, while woolen garments during decomposition produce methane and contribute to global warming.

Environmental sustainability issues become significant in the apparel industry. Textile companies try to replace dangerous chemicals with environmentally friendly materials and reduce amounts of waste and resource consumption through apparel recycling [15]. Domina and Koch [16, 17] highlighted the need to reduce the volume of postconsumer waste products being sent to landfill in USA. Their findings suggested that unwanted consumer textiles and apparel should be included in the current recycling programs and that convenience is key to increase the frequency of recycling practice. Also in UK,
recollecting is a vital component of the waste plan but only forms one part of the “reduce, reuse, and recycle” strategy which is aimed at educating consumers in how best to minimize their household waste in the first instance [18].

The post-purchase component of the clothing consumption process involves the decision whether older clothing is reused, recycled, or simply discarded or destroyed [19]. These textile products not only are given to charities, family members, or friends but also are discarded and end their life in municipal landfills. Textile recovery reduces the need for landfill space. On the market, there are several companies that specialize in textile recycling. They collect goods from charity shops, schools, shops, and textile banks, then sort them, and process materials that are reused or recycled.

3. Consumers’ environmentally friendly attitudes

Attitude is a person’s consistently favorable or unfavorable evaluations, feelings, and tendencies toward an object or idea [20]. Attitudes derive from other internal characteristics of a consumer, for example, values and particular concerns (beliefs), also from consumer knowledge [21]. Consumer attitudes are considered primary drivers of consumer behavior [22, 23].

In psychology, the environmentally friendly attitudes are investigated in association with core personality traits or values, trying to identify the individual features which could predict the pro-environmental behaviors [24]. Research results show that personality traits are a source of individual differences in environmental concern, agreeableness, and openness being the most highly associated with pro-environmental attitudes [25, 26].

Environmentally friendly attitudes describe the psychological tendency of consumers to favor or disfavor some behaviors that are considered ecologically sustainable as well as their overall proclivity, preference, or willingness to engage in or disengage from such behaviors [27, 28]. Although some studies have noted the direct link between eco-attitudes and eco-behavior [29, 30].

Environmentally friendly attitudes can be ascribed to the value-expressive ones according to Katz’s [31] functional theory of attitudes. Holding a positive attitude toward environment protection represents certain values that individuals prioritize not only to themselves but also to others. Due to the current environmental concern, at least minimum level of environmentally cautious behavior is desired; this kind of attitude serves as a tool to represent a fit into the group of individuals who demonstrate positive behavior.

Environmentally friendly attitudes will ultimately shape an individual’s ecologically sustainable consumer behavior or individual actions of consumers who are either harmless or less harmful to the natural environment and positively contribute to natural environment preservation or regeneration.

In spite of the interest in environmental issues, the problem of the effect of environmental attitudes on the purchasing process of clothing and textiles is not popular [32]. This aspect of consumer attitudes and behaviors is a quite new area of research. With the growing interest in environmentally conscious consumption, research trends of environmentally sustainable apparel have focused particularly on consumers’ intention to buy apparel made from organically grown and recycled material [12, 33], apparel disposal behaviors [19, 34], and consumer knowledge of the environmental impact of clothing [16, 35]. Some studies assessed the effects of environmental attitudes on apparel purchasing behavior [32] and the disposal behavior of clothing [17, 34, 36]. According to these studies, methods by which consumers dispose of their clothing are donating to charity, giving away to family or friends, selling through second-hand shops or by Internet, and throwing away into rubbish bins. According to Birtwistle and Moore [36], donating to charities and giving away to family and friends are considered by consumers the most common methods of sustainable clothing disposal. Bianchi and Birtwistle [9] confirmed that the strongest driver of consumer donating behavior is attitude toward recycling. In studied countries (Australia and Chile), consumers who have a positive attitude toward recycling are more likely to dispose of their clothing by donating to charity, rather than giving away to family or friends. Moreover, in both countries, a positive recycling behavior is enhanced by consumer age and greater levels of awareness of the environment. Shim [34] found that the environmental attitude of consumers had a strong influence on disposal methods such as recycling. Daneshvary et al. [37] and Domina and Koch [17] also found that consumer knowledge of disposal options and waste recycling has an impact on recycling methods.

However, the situation is different in the case of young consumers. Morgan and Birtwistle [7] identified that “young female fashion consumers are unaware of the need for clothing recycling.” They agree that “there is a general lack of knowledge of how and where clothing is disposed of, or even how it is made, such as the environmental consequences of artificial fibres and intensive cotton production.” However, young consumers “might consider modifying their clothing consumption and disposal behaviour if they were more aware of the social and environmental consequences.”

4. Recycling campaigns

To reduce the textile industry’s harmful impact on the environment, basic assumptions of circular economy have been implemented into clothing companies’ policies. Circular economy can be described as a regenerative system aiming at reducing the resource input and waste production by the implementation of restorative and regenerative mechanisms [38]. It is a direct opposition of the linear economy in which the used products are either landfilled or incinerated and none of the resources are used again. The linear economy processes cause the deterioration of the environment by the removal of natural capital (e.g., through mining, unsustainable farming, and harvesting) as well as by reducing the value of natural capital by pollution originating from both waste and the resource acquisition process [39].
Circular economy uses several methods of minimizing waste and resource extraction, among them are as follows [40]:

Long-lasting design – designing products in a way which ensures its prolonged life cycle

Repair – fixing defective products instead of discarding them; it has to be underlined that spare parts and qualified staff are needed to repair more complicated products – currently, many equipment’s are thrown away due to the lack of resources for renovation; therefore, there is an urgent need to recreate practices allowing the effective fixing of the faulty devices

Reuse – functional products in good condition can be utilized again by another user

Recycling – processes allowing conversion of waste materials into new objects

Other researchers propose the definition of circular economy referring to the 3R principle [41–43], which points out the most important aspects of economy model such as reduce, reuse, and recycle. These principles are applicable to both production and consumption processes. The first of them, reduce, is connected with preventive actions aimed at avoidance of waste production, either by the reduction in raw material consumption [44] or by minimizing the use of additional products, e.g., packaging [42]. The idea of reusing assumes utilizing a certain item by various users. In opposition to reducing (referring to consumption prevention and planning), it deals with the already existing goods [45] – the product in its original form is either resold (e.g., in second-hand shops) or donated to charity. The third principle, recycle, concerns processes transforming unusable old products into raw materials or new goods. Recycling was named by European Commission a key component in the modern waste reduction [46].

Fashion industry is currently developing mechanisms based on the idea of recycling combined with reusing. An example of such strategy is recycling campaigns organized by clothing companies, currently gaining popularity in USA and Europe. A recycling campaign can be generally described as a set of actions of a fashion brand aimed at collecting used cloths and forwarding them to further reuse or recycling. The basis of its functioning is encouraging consumers (by means of incentives such as discount coupons) to bring their old textiles to the collection points located at the stores. The general scheme of recycling campaign’s operation is shown in Figure 1.

The initial point of the recycling campaign is the textile collection at the brand’s store – consumers dispose of their used textiles in return for a certain reward (mostly discounts). From here, waste material is transported to sorting facilities, where it is divided into items suitable for reuse and recycling. Many of the thrown-away cloths can be worn again – such items are either sold in second-hand stores or donated to charity. Afterward, the items that have been selected to be recycled are prepared for the process. The preparation may include actions such as cleaning, decoloring, bleaching, removal of tags, buttons, and zippers, cutting into smaller parts, etc. Following the initial treatment, the textiles can enter two different paths: the path of closed-loop recycling or the open-loop recycling. Closed-loop recycling consists of processing the waste material into such state in which it may be integrated in the supply chains of fashion industry companies once again, e.g., spinning recovered fibers into yarn. This way, recycled textiles can be used in the production of new clothing items. The processes take place inside the textile industry; therefore, the loop is closed. Other path is the open-loop recycling cycle. The waste material which cannot be converted back into fabrics might still serve as input for other industries, e.g., insulation for automotive or construction industry or industrial cleaning cloths.

![Figure 1. Outline of recycling campaign operation. Source: www.ico-spirit.com/en/services/, retrieved December 7, 2017](http://www.autexrj.com/)
Recycling campaigns have become increasingly popular during the last years and are currently organized by many of the leading fashion brands. Probably, the most advertised is the “Bring it on” campaign by H&M [47]. In return for a bag of used textiles, the company offered discounts, e.g., 15% off for next purchase in USA or five PLN off in Poland. Other examples of brands which created their own recycling campaigns are Marks & Spencer [48] (£5 or €7 discount in return for donation containing at least one M&S-labeled item), Forever 21 [49] (15% off coupon per one bag of textiles), and KappAhl [6] (€5 per bag).

5. Research results

The empirical studies were carried out among 100 respondents – 51 students from Poland, 25 from France, and 24 from Spain in November 2017. A nonrandom selection method of the sample studied was used, where the main criterion of selection was being a student at the local university. The empirical material for the study of attitudes of young consumers was collected by the method of direct collection of information. The research tool was a survey questionnaire. The choice of this research method was justified by the specificity of the subject matter of the paper.

As far as participation in recycling campaigns is concerned, it can be seen that most of the interviewed students have never taken part in such event – only 35% of them declared that they have given their used cloths back to the store at least once. There are no significant differences between sexes as around 40% of women and 30% of men responded positively. However, an interesting fact is noticed among the scores of selected nationalities. Although the answers of the citizens of Spain and Poland show that the majority of them have never taken part in a recycling campaign, 60% of French respondents declared their involvement in actions of this kind. As a comparison, similar answer was given by only about 25% of Polish students. Such disparity might be caused by probably more intensive marketing communication of fashion brands in France promoting returning used textiles to the shops, resulting from the adoption of extended producer responsibility as the first European country [25].
6. Conclusions

The increase in fast fashion retailing has led to large amounts of clothing being disposed of or destroyed – sent to landfills or incinerated. To safeguard the environment, consumers can make responsible decisions at the time of clothing disposal [9]. The advantages of textile reuse and recycling include both environmental and economic benefits.

The results of the research conducted for the purpose of this article confirmed a minor engagement of young consumers in recycling campaigns organized by clothing companies. However, surveyed young buyers have declared the willingness to participate in such actions. These results might indicate that clothing recycling possibilities are not sufficiently publicized. According to Morgan and Birtwistle [50], “if the environmental impact of clothing manufacturing and disposal was more widely publicized, participants indicated that clothing retailers would soon have to adapt their collections and sales strategies”. Educating the society about various recycling options would surely help in encouraging recycling behaviors among young consumers.

According to authors, an effective marketing communication strategy is fundamental to engage young consumers in clothing recycling and develop sustainable forms of clothing disposal. Mass media and environmentally friendly organizations can help in increasing the consumers’ awareness of the importance of recycling textiles. Clothing companies that are perceived as supporting the environment have a chance to increase the consumers’ loyalty and reinforce the brand image.

References


