Consumer behavior and purchase intention for organic food: A review and research agenda

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ABSTRACT

In this article, we review and discuss the factors, which affect the change in the consumer behavior towards organic food. We extract findings from various studies conducted in different countries and analyze those factors and provide suggestions for future research. We find that health-conscious consumers show a growing preference for organic food over the conventionally grown food. This shift in the attitude of the modern consumers is greatly influenced by the rising incidence of lifestyle diseases, such as heart disorders and depression. The need to purchase organic food to improve the quality of life will have huge implications for the retail, distribution and marketing functions of business.

1. Introduction

In the late twentieth century, the world witnessed a paradigm shift in the reach of education and in the attitude of people towards life. As part of this shift, there was a marked increase in the preference for organic food. Traditionally, many farmers were unaware of the modern and scientific food production techniques and thus, they did not use synthetic fertilizers, pesticides or other crop-preserving chemicals in the process of food production. They used to grow pesticide-free food for self-consumption only. In fact, this consumption of organic food was symbolic of the ethical value system (Grosglik, 2016).

Then, a trend emerged between 1940s and 1960s when farmers shifted to more efficient and intensive food production techniques, which involved the use of advanced methods. This trend flourished despite the knowledge of the benefits of organic food. The reason for this is attributed to the increase in the human population coupled with the devastating famines in certain parts of the world, which mandated higher production of food. Bolstered by Industrialization and improvements in agricultural chemicals, the farmers shifted to such forms of food production. As a result, organic farming took a backseat, and consumers began purchasing conventionally grown food because of its sheer abundance and lower prices (Mutlu, 2007).

Eventually, the indiscriminate use of chemicals led to environmental deterioration. Also, the commercial objectives, which led to the use of hazardous pesticides and chemical fertilizers in the farms and agricultural land meant that consumers were buying food and food products without any nutritional value. The high incidence of lifestyle diseases, such as diabetes and heart disorders, raised an alarm which made consumers realize the importance of food quality and safety (Menrad, 2003; Roberfroid, 2002). Many consumers, these days, believe in the motto “You are what you eat” — a perception that has highly contributed to the increase in demand for organic food (Norman et al., 2000). With both consumers and farmers thinking about returning to organically grown and environmentally friendly products, organic food is gaining acceptance not only in developed countries of Europe and North America, but also in developing countries such as China and India (Patel et al., 2007; Paul et al., 2016).

The shift in consumer attitude occurred because organic food has fulfilled the expectations of modern consumers. Organic agriculture combines several practices including the application of organic fertilizers, locally adapted seeds/breeds, biological pest control and intercropping with nitrogen-fixing trees, or legumes, or with other synergistic crops (Adamtey et al., 2016). Also, consumers can afford to purchase organic food to attain better quality of life due to the commensurate growth in their disposable income (Kriwy and Mecking, 2012). All this has led some marketers to promote their products as being healthy which is different from the promotional efforts associated with the hedonic foods (Bublitz and Peracchio, 2015). They argued that adapting successful industry practices to promote a healthy shift in the eating habits of consumers will help businesses producing such healthy products to thrive. For this, marketers need to know about the prospective consumers to whom they can promote organic food. Moreover,
they want to know what factors will influence the purchase decisions of such consumers. But the above literature does not throw light on the consumer segments willing to purchase the organic food.

To identify and target the consumers of organic food, we need to understand their outlook and the factors, which affect their outlook. This will help to understand the most important considerations, which shape the behavior of organic food consumers. Moreover, it will provide a detailed analytical framework for the reasons, which cause change in attitude of consumers towards organic food. In this context, the objectives of the study can be specified as follows i) Assess the reasons which underlie the shift in the attitude of consumers towards organic food ii) Cluster the important factors that affect consumer attitude and behavior towards organic food. iii) Identify the factors, which are not given much importance in making positive the attitude of the consumer towards organic food. Identify the research gaps in literature and key issues to be researched in the future for making organic food more popular.

In order to address these objectives, this article is structured in sections given as follows: Section 2 deals with the objectives of the study. Methodology is outlined in Section 3. Overview and trends are given in Section 4. The findings are discussed in Section 5. A new framework is developed in Section 6 which could serve as a benchmark for organizations dealing with the organic food. Section 7 provides directions for future research. Section 8 carries the concluding observations.

2. Method

To address the objectives, we reviewed extant research to understand the primary factors behind the shift in the consumer attitude towards organic food. We adopted various steps in selecting the related literature for this review. First, we used the methods adopted in prior review articles (Canabal and White, 2008; Terjesen et al., 2016) and conducted a broad search for organic food and interdisciplinary literature published in the last 30 years (i.e., 1985–2015), which included online databases as well as reference lists of the articles. We used keywords such as organic food, consumers’ attitude towards organic food, purchase intention for organic food, demand for organic food, etc. Further, we downloaded more than 400 articles published since 1985 from databases such as Google Scholar, EBSCO and Social Science Research Network. After careful consideration and selection, we shortlisted core articles to be included in this review based on the criteria used in prior reviews and the discussion among the co-authors.

The final sample consists of 146 research articles, which identify organic food consumers and their attitudes, beliefs, purchase intention and behavior as published in journals which are either listed in the Social Science Citation Index, or in SCOPUS. As government reports are non-commercial and have greater authenticity, we also covered some government papers from websites such as United States Department of Agriculture. We chose the last three decades (1985–2015) as the time for the review to encompass all the important factors and variables that influence consumer behavior and purchase intention for organic food. We did not include research on associated areas such as soil fertility, chemical fertilizers, etc. so as to focus only on organic food. We reviewed and interpreted those research articles, which contributed to our understanding of organic food, consumers’ attitude towards it and farmers’ satisfaction level in producing organic food. For understanding the importance of factors identified in the context of various countries, we have highlighted some prior studies that have identified such factors contributing to the shift in consumers’ attitude.

3. Literature and theory

This section provides an overview and general trends related to organic food, which will help us to understand the nature of organic food and its standing in the minds of consumers.

3.1. An overview

3.1.1. Organic food

Organic food encompasses natural food items which are free from artificial chemicals such as fertilizers, herbicides, pesticides, antibiotics, and genetically modified organisms. Additionally, organic food is not subjected to irradiation (Marwa and Scott, 2013). Thus, Organic food is considered healthy because synthetic chemicals are not used in its production (Suprapto and Wijaya, 2012). Literature shows that many terms are used to refer to organic food, such as “natural,” “local,” “fresh,” and “pure” (Chan, 2001). Organic farming has always been a healthy option to produce followed by at least some farmers all over the world (Canavari and Olson, 2007).

3.1.2. Consumer attitude and behavior

Attitude is the most important predictor of intention to buy organic food and the relation between attitude and intention has been found to be positive and significant (Kozup et al., 2003). Besides attitude, subjective and personal norms also influence the consumption of organic food (Aertsens et al., 2009a, 2009b). In the following text, some of the critical factors, which contribute to the formation of attitude and behavior of consumers have been described.

The presence of packaged food labels which carry nutritional information and health claims strongly influences the attitude and purchase intentions. Consumers have a more favorable attitude toward products with detailed label descriptions and nutrition information (Kozup et al., 2003). Such efforts make today’s consumers more aware and concerned about their healthy lifestyle. They wish to engage in healthy behavior and eat nourishing food (Gould, 1988; Baker et al., 2004).

Ethical issues form another important factor as it is believed that people guide their behavior on account of concern for environment and animal welfare. The greater the concern about such issues, the higher is the probability that people will consume healthy food (Honkanen et al., 2006). Most people have the impression that organic food is an ethical product (Crane, 2001). Despite Alwitt and Pitts (1996) indicating that positive attitude towards environment does not have any bearing on the purchase intention of buyers, many consumers not only believe in fair trade practices but also they wish to buy products that have been made by producers in an ethical manner. Such ethical considerations also affect suppliers as these factors determine both their market size and market segment (Moore, 2004).

Auger et al. (2003) focused on ethical consumerism that encompasses the importance of social components of a company’s products. Consumers were interested to consume only those products, which were safe for the society. Doran (2009) emphasized that fair trade knowledge, perceived quantity and quality of fair trade information and overall concern influences buying behavior directly as well as indirectly. The important determinants of ethical consumption hinge on social standing, adoption of fair trade, environmental concern and a religiously cohesive outlook (Doran and Natale, 2011).

As a consequence of the above factors, consumers’ interest in healthy food has increased manifold. Across product categories, there is still variation in the importance of motives and barriers relating to consumer behavior towards organic food (Padel and Foster, 2005).

3.1.3. Supply and demand

In the field of organic food, there have been imbalances in the supply and demand situation (Oger et al., 2001). These imbalances have to be dealt with in a suitable manner to ensure a stable ground for the marketing organic food in the future. We know that as the supply of organic food decreases, so does the demand (Gil et al., 2000). On the supply side, farmers are hesitant in adopting organic farming because of various reasons such as complicated and expensive certification process, poor financial viability, limited market size and lack of direct sales channels (Groff et al., 1993; Harris et al., 2000; Valerian et al., 2011).
On the demand side, there is a need to review the present literature to unearth the issues such as hurdles in the expansion of market, effective promotional strategies, and consumer attitude towards organic food.

3.2. Theoretical models and frameworks

There are diverse theoretical models and frameworks, which help everyone to better understand the purchase process for organic food. Well-established theories such as Theory of Planned behavior and Theory of Reasoned action have been used by researchers to predict and examine the demand for green products and organic food (Paul et al., 2016; Smith and Paladino, 2009; Tarkiainen and Sundqvist, 2005). Zapeda and Deal (2009) applied Value-Belief-Norm (VBN) theory and Attitude- Behavior-Context (ABC) to understand why consumers buy organic and/or local food. They presented a new theoretical framework called Alphabet theory based on the demographics associated with the interview data to explain the purchase behavior for organic and local food. Similarly, Zanoli and Naspetti (2002) used the means-end chain model to link attributes of products to the needs of consumers.

On the other hand, developed a five-stage model to understand the decision making in the buying process. The five stages include identification of need, search for related information, evaluation of various available alternatives, selection of the best alternative and post-purchase behavior. Paul and Rana (2012) developed a theoretical framework that shows the relative importance of factors such as health benefit, ecological awareness, availability and freshness as determinants of the purchase intention for organic food. Sierra et al. (2015a, 2015b) offered a sequential choice process model of nutrition information usage, organic food brand tribalism, self-esteem, and feelings about shopping smart for healthy food. This model was then applied to study the intention to purchase soft drinks made with artificial sugar and the intention to purchase meat in which the cattle were raised on a corn diet (instead of grass diet) and explain meaningful variance in consumers’ intention to purchase unhealthy food over organic food.

4. Findings and discussion

The prior researchers have discussed several factors, which affect the demand for organic food over a period of time. The need for self-esteem is one of the factors, which affect the change in attitude towards organic food (Haughtvedt et al., 1996). Some studies highlighted the food quality, safety and freshness as the drivers of demand (Journe et al., 2001; Botonaki et al., 2006; Kihlberg and Risvik, 2007). These studies also cited concern for environment as another driver of demand. This is because organic food is considered eco-friendly on account of being produced without the aid of pesticides and other crop-preserving chemicals. Even so, consumers tend to consider the health and safety spectrum of organic food as polluted due to the presence of even chemical residues, hormones and natural toxins (Honkanen et al., 2006). Nevertheless, the perceived higher nutritional value of organic food is an important demand driver (Kihlberg and Risvik, 2007; de Magistris and Garcia, 2008). Some studies have underscored health awareness as a factor, which contributes to the purchase decisions of organic food. In other words, the increased health consciousness enables consumers to distinguish between the nutritional values of conventional and organic food, and consequently lead them to buy organic food (Harper and Makatouni, 2002; O’Donovan and McCarthy, 2002). Even in developing countries, the consumers have shown increasing interest in organic food to safeguard and improve their health (Latacz-Lohmann and Foster, 1997).

In the context of brand tribalism, the rivalry between those who espouse organic food and processed food has been explored empirically in the extant literature (Sierra et al., 2015a, 2015b). Regardless of the food marketing objectives of different brands, practitioners and policy makers would benefit from a better understanding of the purchase determinants of consumers’ unhealthy food and beverage choices (Sierra et al., 2015a, 2015b). In the organic food market, brand equity has a strong influence on the perceived quality and consumer buying behavior. Some studies have placed emphasis on certain demand and supply deterents, which have negative influence on consumer attitude towards organic food. These factors include expenditure incurred to reduce the agricultural chemical use, high price, low availability, and difficulty in producing organic manure. Insights provided by Bruschi et al. (2015) accentuate the attitudes and perceptions of urban Russian consumers towards organic food, as well as factors that facilitate or prevent them from purchasing those products. Based on investigations undertaken using a mixed-method approach, they found that consumption of organic food is mainly motivated by personal well-being and proportionally less by social or environmental concerns.

Over the years, some key factors have influenced consumer demand and sales of organic food in a positive manner. Yet, the market size of organic food remains relatively small (Gil et al., 2000; Stefan et al., 2001; O’Donovan and McCarthy, 2002). Thus, it becomes imperative to acquire knowledge about the most and least impactful determinants of the consumer attitude towards organic food. This will allow in creating awareness about the most impactful factors to flourish a positive attitude towards organic food through marketing and promotion. At the same time, the negative connotations of certain inhibitory factors have to be downplayed carefully. The following content focuses on the shift in the attitude of consumers of organic food and the underlying factors for the same.

4.1. Factors influencing attitude of organic food consumers

In recent times, media has provided extensive coverage of health-related topics which has made consumers increasingly health conscious and desirous of a better quality of life. Also, the soaring environmental costs have given rise to “green” consumers (Peattie and Ratnayaka, 1992). In a geographical context, the consumers of Central and Eastern European countries are demanding safe and nutritious food items on account of increasing globalization, education and income levels (Anderson, 2000; Zakowska-Biemans, 2011). At the same time, Asian consumers are also gravitating towards organic food due to apprehensions about the commercially grown food as being risky (Williams and Hammitt, 2001) and partly responsible for the high incidence of lifestyle diseases, such as obesity and Type 2 diabetes (Cummins, 2001; Schmidt, 1999; Birchard, 2001; Hansen et al., 2002). Moreover, consumers do not mind paying a premium price for risk-free food (Zepeda and Li, 2007; Roitner-Schobesberger et al., 2008; Tsakiridou et al., 2008) and thus, many retail grocery stores have seized this opportunity to reserve sections and aisles exclusively for organic food items (Nasir and Karakaya, 2014).

In tune with the above discussion, we now discuss how and to what extent these factors have contributed towards influencing consumer’s attitude and purchase intention for organic food.

4.1.1. Health consciousness and expectations of well-being

A survey of 136 lecturers from Universiti Teknologi MARA in Malaysia by Salleh et al. (2010) found that health consciousness strongly motivates consumers to purchase organic food, while quality and taste are also significant considerations. Health consciousness necessitates inclusion of good nutritional food in consumer’s diet and thus, it is linked with the purchase of organic food (Jolly et al., 1989; Buzby and Skees, 1994; Bonti-Ankomah and Yiridoe, 2006; Megicks et al., 2008; Kumar and Ali, 2011; Paul and Rana, 2012). Similar results were obtained by Zanoli and Naspetti (2002) using data on consumer perception and knowledge of organic food in Italy which suggested that pleasure and wellbeing are the foremost values in the minds of consumers. These factors were also confirmed in previous studies conducted in other countries, including America and Sweden (Groff et al., 1993). In fact, it was found that consumers will lap up the food marketed as rich in nutrients and micronutrients, even if such a claim is
unsupported by scientific evidence (Canavari and Olson, 2007).

4.1.2. Quality and safety

Based on several studies, food safety has been identified as a key motivator in increasing the consumption of organic food (Hay, 1989; Lane and Bruhn, 1992; Demeritt, 2002; Kumar and Ali, 2011; Thomas and Gunden, 2012; Van Loo et al., 2013). Organic food is produced without using pesticides and other crop-preserving chemicals, which are harmful for human health. Moreover, the escalating occurrences of food-related diseases, such as the Avian Influenza (commonly known as the "Bird Flu") and Bovine Spongiform Encephalopathy (commonly known as "Mad Cow" disease) have shone the spotlight on consumption of safe food items (Canavari and Olson, 2007). Thus, food safety is actively promoted by governments, healthcare industry professionals, researchers etc. (Crutchfield and Roberts, 2000; Crutchfield and Weimer, 2000; Woteki et al., 2001).

4.1.3. Environmental friendliness and ethical consumerism

Consumer attitude has evolved over the years primarily due to ethical concerns towards the environment (McEachern and McClean, 2002). It is known that environmental concerns and social norms help in shaping and predicting individual behavior (Berkowitz, 1997; Laroche et al., 2001, Paul et al., 2016). Although some studies have given less importance to social norms in predicting human behavior (Krebs, 1970; Marini, 1984; Krebs and Miller, 1985), Schwartz (1973, 1977) found that social norms and environmental concerns have developed a feeling of moral obligation and created a positive attitude among consumers towards environment.

This evolution has fostered the development of "eco-friendly products," also known as "green products," which has paved the way for organic food in developed markets such as USA and Germany (Ottman and Terry, 1998). A survey conducted by McKinsey (2007) found that consumers are concerned about the harmful impacts of using pesticides and chemicals in the farms, concluding that most citizens harboring such concerns are from countries such as Canada, United States, China and India. Seyfang's (2006) also found that environment protection is a common motivator that has led to ethical consumerism.

Ethical consumerism falls under the umbrella of consumer activism which either involves purchasing ethical products with low social and environmental costs or institutes a moral boycott of unethical products (Giesler and Veresiu, 2014). Practicing ethical consumerism inspires consumers to buy green products in order to fulfill their ethical responsibility (Cho and Krasser, 2011). For many brands, the fact that the use of the green element and green innovations can improve the attitude of consumers toward them is positive news (Olsen et al., 2014; Kouba, 2003; Seyfang, 2006).

4.1.4. Willingness to pay

Many surveys conducted in the United States, China, Japan and India have highlighted that consumers are willing to pay a premium for socially responsible products (Matatouni, 2002; Pino et al., 2012; Canavari et al., 2007). Similarly, Inglehart and Welzel (2005) found that consumers are primarily concerned about two things: environment and quality of life. Occasionally, consumers may lead a more cautious lifestyle due to fear, risk factors and negative emotions. For instance, awareness of environmental pollution and fear of suffering from severe allergies due to consumption of conventional food have popularized health and environmentally friendly food consumption (Hoffmann and Schlicht, 2013).

4.1.5. Price and certification

Lack of awareness, low financial viability and high price of organic food are some challenges in the path to develop a positive attitude towards organic food (Grunet and Juhl, 1995; Maguire et al., 2001; Greene and Kremen, 2003). These factors discourage consumer demand but farmers can increase the consumer base by improving the distribution channels of organic food supply (Canavari et al., 2007). Certification is another important factor which encourages consumers to buy organic food. In order to gain consumer trust, it is important for farmers to authenticate and validate their products through government’s certification (Deliana, 2012). The middle to upper income groups constitutes the target market for organic food as these groups can pay higher prices (Deliana, 2012). Gil et al. (2000) confirmed through their study that farmers should aim to increase consumption among those segments that are appreciative of the positive attributes of organic food. They also found that farmers should focus on domestic markets because these markets have the potential to expand in the future.

4.1.6. Fashion trends and unique lifestyle

In an overview of the organic food sector in Italy and United States, Canavari and Olson (2007) indicate that certain foods are consumed as a status symbol. For this reason, serving organic food, which is expensive and exclusive has become the latest trend in elite society of some countries. It marks a show of the purchasing power and luxurious lifestyle of consumers with greater disposable income.

4.1.7. Social consciousness

Purchase behavior, choice of media and innovation are related to personality of individuals (Kassarjian, 1971). It is understood that each consumer behaves differently and consumes products that suit their personality. Some consumers are concerned about societal welfare, which cause them to be concerned about their food and health choices. Based on the theories of sustainable consumption and ecological citizenship, Seyfang (2006) used the first empirical investigation of Eostr Organics, an organic food producer cooperative in the United Kingdom, to show that 65.2% of respondents cited a desire to support and strengthen the local economy and community, including greater self-reliance and independence from global corporations and supermarkets. These aspirations encourage some prominent consumers to purchase organic food to set an example and inspire others to modify their consumption patterns for societal benefit (Canavari and Olson, 2007). Social influence is an incredibly broad area that affects one's emotions, opinions and behavior (Wood and Hayes, 2012).

4.2. Factors affecting demand for organic food in different countries

Both developed and developing countries are striving to improve demand encourage organic farming. The factors affecting demand and their priority levels may vary from country to country. Therefore, it is important to understand the status and pattern of studies undertaken in various countries. Table 1 reveals some important factors that influence the attitude of organic food consumers in some particular countries (See Table 1). From the Table 1, it can be inferred that ethical commitment, quality, safety, knowledge, and health are the important factors in the case of developed countries. Whereas, the important factors for developing countries includes availability, education, health, marital status, and family size. It is notable that health is the only factor that is considered important in both types of countries.

5. A new framework

The Section 5 revealed that health consciousness has been considered as the best predictor of consumer attitude and behavior towards organic food (Michael and Hassan, 2008; Dickeson et al., 2009; Lane and Bruhn, 1992; Shaharudin et al., 2010; Paul and Rana, 2012). The health factor creates a positive attitude about organic food consumption as a way to prevent diseases (Groff et al., 1993). Therefore, the healthcare industry can use this information and easily promote the use of organic food. Moreover, health consciousness forms the basis for purchase intention for many consumers and it is positively associated with the consumer buying behavior and attitude. Additionally,
Environmental concern is another crucial motivating factor and the primary reason for the formation of positive consumer attitude towards organic food (Brugarolas Mollá-Bauzá et al., 2005; Makatouni, 2002; Smith and Paladino, 2009; Valerian et al., 2011). Despite the improved demand, organic food production is not picking up steam due to the reason that farmers lack both the resources and agricultural knowledge required for the crop protection.

Our findings from this review can serve as the base for environmentalists, policy makers and non-governmental organizations to support and advance their arguments. To develop an improved organic food market, they could work on major aspects such as supply chain, distribution system, provision of necessary tools and technical knowhow to farmers and procurement of certification from the government. Based on the findings from this review, we classify the factors which affect the consumer attitude towards organic food into three categories: very important, important and less important. These categories help us to draw a framework (see Fig. 1) which will enable the marketers to explore the impact of crucial factors on marketing of organic food.

6. Future research agenda

The Section 5 of this article was focused on identifying the factors which impact consumer’s impulse to purchase organic food. The common thread which led to the evolution of consumers’ attitudes towards organic food weaves together health, environmental and ethical concerns, quality and safety. Certain factors are given less importance while some others are deterrents, which hinder the growth of the market. Still some areas remain untouched and carry ambiguity. A new framework is developed in section six based on extant literature. In this section, we discuss some key issues for future studies. We present those ideas systematically by classifying the topics.

6.1. Cultural traditions and heritage

In some countries, organic food is consumed as a cornerstone of the tradition and culture practice. Some consumers buy products only from local farmers in order to maintain the sanctity of their cultural and heritage values (Thomas and Gunend, 2012). For instance, farmers in Uttarakhand, a rural state in Northern India, grow 40 varieties of red kidney bean, a very popular type of bean, which is the main ingredient of a traditional dish (http://www.organicuttarakhand.org). By default, the traditional food in the Indian subcontinent is grown organically and thus, patriotic Indian consumers prefer the organic food. This trend has also been seen in other countries, including Switzerland and Denmark (Pino et al., 2012; Govindasamy et al., 2010; Thomas and Gunend, 2012). There are opportunities for a single country as well as cross-country studies in this regard.

6.2. Going back to the roots

With the acknowledgement that their ancestors were healthier, mentally stronger, more religious and spiritual, consumers are returning to the ancient agricultural practices of food production. Chimirici et al. (2002) found that consumers associate consumption of organic food with the authentic tastes of the past. Hughes and Idda et al. (2007) in Italy claimed that going back to the roots is a powerful element in raising consumers awareness of organic food.

Even in the Indian subcontinent, the ancestors preferred Sattvic2 or organic food, which was fresh, readily digestible, free from chemicals and.navigateTo the ancient agricultural practices of food production. Chimirici et al. (2002) found that consumers associate consumption of organic food with the authentic tastes of the past. Hughes and Idda et al. (2007) in Italy claimed that going back to the roots is a powerful element in raising consumers’ awareness of organic food.

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2 Sattvic is derived from Sattva which is a Sanskrit word. It means one that is ‘pure, essence, nature, vital, energy, clean, conscious, strong, courage, true, honest, wise, ru-diment of life’. Sattvic diet is thus meant to include food and eating habit that is ‘pure, essential, natural, vital, energy-giving, clean, conscious, true, honest, wise’ (Gerson, 2002).
a good source of energy (Ott, 1990; Misra et al., 1991; Lane and Bruhn, 1992; Bonti-Ankomah and Yiridoe, 2006). Conversely, many Indians have always avoided Tamasic3 or conventionally grown food because its ingestion was deemed to generate laziness, anger, and greed, resulting in stunted spiritual growth; and preferred organic food as it is synonymous with health and transcendence.

6.3. Mainstream or Niche

Organic food is an attractive proposition in a niche market where consumers are health conscious and want to consume safe, nutritious, and environmentally friendly products. But organic food does not belong to the mainstream product categories as it is not easily available. For consumers to become habituated to a particular kind of food, it should be easily available at retail outlets (Kim and Chung, 2011; Mirakzadeh et al., 2012; Kuhar and Juvancic, 2010). A wide range of products and different assortments of organic food items are needed to satisfy the various needs of consumers (Vlahovic et al., 2011). There is scope for future research to be conducted to find out the ways to make organic food readily available in the market.

6.4. Reasons of purchase in developed and developing countries

Many studies in literature have reported different reasons for purchase of organic food in developed and developing countries. In developed countries where the market sizes are bigger, Environment, health, and knowledge influence consumer's buying behavior and purchase intentions significantly. In developing countries, the reasons might be different. Hence, there is a requirement of conducting comparative studies with data from developing as well as developed countries. These studies will help to understand if there is a relation between different levels of need and demand for organic food. In developed countries where consumers have fulfilled their social needs, the social influence in decision making is minimal. They may demand organic food to fulfill such needs as esteem and self-actualization. Whereas in developing countries, the demand could exist to fulfill the need for safety. This needs to be justified with future research studies. Thus, there is immense potential in this area of research.

6.5. Distribution channels for organic food

There are some pertinent issues with respect to the distribution channels of organic food such as the types of retail stores established, the sourcing and procurement of organic food items etc. Studies should be conducted to reveal the status of retailers and the possibility of opening greater number of outlets of organic food. They should focus on identifying the barriers from retailers’ and producers’ sides and on finding the solutions so that there are no impediments in providing these food items to consumers.

7. Managerial implications and strategies for retailers

There is a pressing need to discuss the marketing and retailing activities related to organic food. To a great extent, such activities will depend on brand of the retailer, size of the store, space, price and availability of organic food at specific locations. On the supply side, O’Donovan and McCarthy (2002) considered availability of organic food as a critical factor in making it popular among consumers. It is because consumers tend to purchase certain food only if it is available on regular basis. Tsakiridou et al. (1999) also suggested that less availability of organic food at retail stores remains as a key deterrent and barrier in generating sales and customer loyalty. On the demand side, retailers need to adopt a unique marketing strategy to make organic food popular which will encourage them to keep a wide assortment of organic products at their stores (Harris et al., 2000).

Several authors emphasized on the factors that influence consumers to consider organic food over conventionally grown food (Midmre et al., 2005). Since organic food market is still an emerging, innovative market, the retailers must take this factor into account while framing their marketing strategy. Ansoff (1957) and Danneels (2002) also contend that marketing new products in new markets usually requires special efforts from the retailers.

Some retailers can position themselves as providers of high-quality organic food items (Sans, 2003). This strategy will help them to attract

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3 In Sattvic system of dietary classification, foods and drinks that have destructive influence on the mind or body are considered Tamasic (Gerson, 2002).
consumers who are willing to pay more for a better quality product and who like to shop in a better environment. They can highlight the sustainability dimension because the perceived environmental friendliness of organic food fits very well in this strategy (Aertsens et al., 2009a, 2009b).

Retailers can also open exclusive outlets for high-income consumer group who like to shop from exclusive stores. As far as promotion is concerned, word of mouth can be a very effective tool of promotion since advertisements can be expensive. Opinion leaders and Reference Groups must be identified because they are highly influential and can easily convince many people to adopt organic life styles. Certificates for authentic organic food could be displayed in the retail stores. It may be difficult for small retailers but the payoff in terms of goodwill and credibility can be earned in the long run (Tsakiridou et al., 1999). These strategies will create demand for organic food among consumers and push the retailers to increase the availability of organic food. For example, some retailers like Freshsmart stores have exclusive stores and they run organic food restaurants at good locations.

8. Conclusion

Based on an extensive review of literature spanning three decades, our study indicates many areas like distribution, marketing, ethical consumerism etc. for future research that may be directly or indirectly helpful in developing the market and increasing the reach of organic food globally. Our research highlights that consumers in developing countries are keen to purchase organic food, which is quite popular in developed countries. The lack of effective distribution and promotion systems severely affects the availability of organic food and at the same time, presents an opportunity to improve the ease of availability of organic food.

A marketer needs to understand the factors influencing the demand for organic food. They should explore the identified factors in attracting consumers who do not buy organic food. Marketers can make strategies for retention, which can convert its regular consumers into loyal consumers. Our findings will also help managers to formulate their promotion strategies. Moreover, it will be useful for related businesses like packaging. Marketing managers can use the insights of this research to decide on their market segments so that they could target potential consumers. The farmers and those want to start a co-operative society for organic food production can use this information. Similarly, policy makers, professionals from food industry, tourism industry, and retailers could use the findings of the present research for better decision-making. Additionally, the insights on consumer purchase decisions will continually improve every stage of operations, right from customer acquisition through to retention. The present research puts forth specific questions of how organic food should be made available in different retail store formats, how it may be less expensive and how it may become an indispensable part consumers’ life.

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