Consumer Intention toward Genetically Modified Food: A Moderated Mediation Model

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ABSTRACT

Debate about Genetically Modified Food (GMF) has received much attention in concurrence with the development of biotechnology. This paper examines consumers' intentions towards GM food in Iran. Given the potential of Corporate Social Responsibility (CSR) in shaping consumers' behavior, relationships between CSR, trust, and health concerns with consumer intentions towards GM foods have been investigated rarely. This study used a moderated mediation analysis to understand how health concerns, trust in GM foods, and CSR perceptions affect consumer intentions towards GM foods. A survey study with 389 consumers indicates that health concerns reduce trust in GM foods, but trust exerts a positive influence on consumers' intentions toward these products, thus playing a mediating role between health concerns and consumers' intentions. More importantly, CSR perceptions magnify the positive effect of trust in GM foods on consumers' intentions, thus offering evidence for a moderating role of CSR perceptions.

Keywords: Consumer concerns, Corporate Social Responsibility, Health concern.

INTRODUCTION

Consumer concern for food health is one of the topics of research interest (Fozouni Ardekani *et al.*, 2020; Ghasemi *et al.*, 2013).

Recently, several studies have found the risks for human health resulting from GM foods consumption (Ghasemi *et al.*, 2019; Xu *et al.*, 2020). GM foods were introduced to the market in the 1990s as an alternative for improving food quality and availability (Gouse *et al.*, 2016).

Despite the expansion of the global area for cultivation of GM foods (Azadi and Ho, 2010), the potential ability of these foods to meet human and livestock nutritional needs (Saleh-Lakha and Glick, 2005), and the nutritional values of these foods (Cui and Shoemaker, 2018) is still a controversial

issue (Valente and Chaves, 2018). There are, in particular, serious doubts about the safety of these products among global consumers (Delmond etal., 2018), therefore, acceptance of these foods are rare (Grimsrud et al., 2004). GM foods companies' Corporate Social Responsibility (CSR) may play an important role in reducing such concerns. In this regard, "The Millennium poll on CSR in 1999 revealed that out of 25,000 interviewed people (from countries on 6 continents) about half are paying attention to the social behavior of companies" (Simon, 2002), but the issue has received very little attention so far (Akbari et al., 2019; Pino et al., 2016).

Several studies have been conducted on attitudes concerning GM foods in developed and developing countries (McPhetres *et al.*, 2019; Valente and Chaves, 2018; Akbari *et*

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al., 2019; Ghanian et al., 2016; Ghasemi et al., 2013, 2019). The present research aimed to examine Iranian consumers' healthrelated concerns about GM foods and their trust in these foods. In particular, the study examined how these two factors affect consumers' intentions toward GM foods and whether their impact is affected by perceptions of GM foods consumers' companies CSR. This research contributes to the theory and practice in different ways. First, to the best of our knowledge, this is the first study on the GM food field that uses moderated mediation analysis methodology to provide an insight into consumers' intentions toward GM foods. Second, even though there have been some studies on the influence of CSR on consumer behavior (Akbari et al., 2019; Loose and Remaud, 2013; Tian et al., 2011), empirical researches on the moderating influence of CSR on consumer buying behavior towards GM foods are still few in Iran, thus, the influence of CSR as a potential moderator of the relationship between health concern, trust, consumers' intentions toward GM foods is considered.

Literature Review

Consumers have different viewpoints about GM foods in different parts of the world (Steur et al., 2014). For instance, Delmond et al. (2018) found that Russian consumers are unwilling to consume GM foods because they care about the effects of these products on their health and doubt the naturalness of these foods. Lin et al. (2019) compared Chinese. Italian. and US consumers' willingness to consume GM animal products and found that, on average, consumers are unwilling to consume GM animal products. Among these three national groups, Italian consumers were less willing to these products. In Iran, Yazdanpanah et al. (2016) studied agricultural experts' intention towards GM crops and found that attitude towards GM crops, trust and

perception directly affected intention towards these crops. Whereas, the perceived benefits, perceived risks and knowledge indirectly had effects on intention. In another study in Iran, Mohammadi Ziarati (2011) investigated the intention of consumers to consume transgenic rice. Results of this study showed that more than 50% of people in the urban areas are willing to pay for transgenic rice, while in the rural areas people are not willing to pay for these products.

GM foods have entered the U.S. consumers' food chain without serious resistance, whereas in most EU countries, these products have not been welcomed. The EU allowed its member states to restrict the local production of GM foods (Bongoni, 2016; Pino et al., 2016). Some member countries, such as Germany, Austria, Greece, and Luxembourg have prevented the cultivation of GM products, while Poland even limits the marketing of these foods (Bongoni, 2016). In Asia, due to the varied cultures and religious beliefs and high poverty and hunger rates, consumer attitudes concerning these products vary across countries (Teng, 2008).

Due to the rapidly growing world decreasing arable population, land. challenges of conventional breeding, and increasing malnutrition (Cabuk Ozer et al., 2009; Dayani and Sabzalian, 2018; Zhang et al., 2016), governments should make sensible decisions about production and trade of GM foods (Bongoni, 2016). The aforementioned problems are particularly relevant for developing countries where, in addition to the risk of food insecurity, there is a significant unbalance among production, importation, and utilization of GM foods (Akpalu et al., 2018). In this regard, consumers' use of these products is a crucial issue that can significantly influence governments' commercial and economic decisions about these products (Chen and Li, 2007: Giles et al., 2015).

"Intentions are the most immediate antecedents of any behavior that is under voluntary control and are assumed to capture the motivational influences on behavior" (Kiriakidis, 2015). An intention reveals one's decision to achieve a given behavior, such as the adoption of a new product (Fishbein and Ajzen, 1975). Intention to adopt GM foods may be significantly influenced by consumers' perception of the possible adverse health effects of these products. Thus, the decision to accept or refuse these products is associated with some uncertainty (Dolling and Peterson, 2007; McFadden and Lusk, 2015).

The uncertainty about GM foods causes concerns about these products' healthiness, which may substantially limit consumers' intention towards these products. For instance, Delmond *et al.* (2018) found that health concerns and negative perceptions of GM foods' naturalness reduce Russian consumers' willingness to consume GM foods. Therefore, we proposed the following:

Hypothesis 1: Health concerns negatively influence consumers' intentions concerning GM foods.

Trust may significantly affect food consumption behavior (Ricci et al., 2018). In particular, the trust may significantly affect the perceived benefits and risks of GM foods (Amin et al., 2014; Prati et al., 2012) as well as consumers' attitudes and intentions toward these products. Ricci et al. (2018) founded that trust positively influences consumers' intention towards eco-friendly foods. Also, Gutteling et al. (2006) showed that Dutch peoples who have higher trust in the governance of GM foods are willing to consume GM foods. Hence, we propose that:

Hypothesis 2: Trust positively influences the intention to accept GM foods.

Trust in a target and concerns about it are closely related (Hong and Cha, 2013). Milne and Boza (1999) noted that concerns and trust are intertwined in a strong negative relationship and that both trust and concerns can influence future behaviors. Therefore, trust has a positive influence, and concerns have a negative influence on individuals' behavior. Most existing studies have focused

on the influence of trust on consumers' concerns regarding these products (Akbari *et al.*, 2019; Ricci *et al.*, 2018). However, the opposite effect is also important (Hong and Cha, 2013; Masi *et al.*, 2015; Olivero and Lunt, 2004), because a consumer who is concerned about the effects of GM foods on his/her health and family members is unlikely to trust and buy these products. Accordingly, we suggested the following:

Hypothesis 3: Health concerns negatively influence trust in GM foods.

Alternatively, regarding the relationship between trust and intention to consume these products (H2) along with the influence of health concerns on trust in GM foods (H3), we hypothesize that trust in GM foods can serve as a mediating variable that explains the relationship between health concerns and intention to use these products. Because consumers are concerned about the safety of GM foods (Deng and Hu, 2019; Huang et al., 2017; Ricci et al., 2018), they tend to trust those who are perceived as responsible or knowledgeable. Therefore, we argue that consumers who perceived GM foods as trusty and healthy to use have greater intentions to consume the foods, propose the following:

Hypothesis 4: Trust mediates the relationship between health concerns and the intention to consume GM foods.

CSR as Moderator of Health Concern-Trust Relationship

CSR is now on the global agenda and there has been an increasing interest in theorizing CSR (Frynas and Yamahaki, 2016; Uhlig *et al.*, 2020). CSR refers to companies' acceptance of responsibilities that go beyond their legal and economic duties (Akbari *et al.*, 2020; Parsa *et al.*, 2015) and "includes moral obligations that maximize the positive influence of the company on its social environment" (Lin *et al.*, 2011). Companies accept CSR as a part of their business to win the consumers' trust and increase consumer intention to buy their

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products (Al Jarah and Emeagwali, 2017). Many studies have documented the significant effect of CSR perceptions on consumers' intentions (Akbari *et al.*, 2019; Lu *et al.*, 2020; Tong and Wong, 2014; Uhlig *et al.*, 2020).

CSR can increase consumers' trust in a given product and reduce consumers' concerns (Lin et al., 2011; Saat and Selamat, 2014). Since CSR involves a moral commitment to maximizing the positive effects of a company's activities on public health, the environment, and society (Lin et 2011; Singh and Singh, 2013), consumers who perceive such a commitment more trust products are likely to manufactured by the company and have fewer concerns about the health consequences of these products. In other words, CSR can strengthen consumers' trust and reduce their concerns (Lin et al., 2011; Park et al., 2014; Saat and Selamat, 2014; Serrano Archimi *et al.*, 2018). Based on the above, we expect that CSR may act as a moderator of the relationships between health concerns, trust, and intention to use GM foods (Figure 1). Therefore, proposed the following hypothesis:

Hypothesis 5: CSR moderates the relationship between health concerns and the intention to use GM foods.

Moderation effect

Hypothesis 6: CSR moderates the relationship between health concerns and trust in GM foods.

Hypothesis 7: CSR moderates the relationship between trust and intention to use GM foods.

MATERIALS AND METHODS

A survey study using a questionnaire was designed for conducting this study. Target population of the study were Tehranian consumers in Iran. Sample size (n= 389) was specified using the formula proposed by Scheaffer et al. (1979). The multistage stratified random sampling method was used for selecting the study consumers. In the first step of sampling, each of Tehran regions was considered as a stratum. Each of these regions also has some districts, which, in the second step of sampling, was considered as a stratum. Finally, in proportion to the population of each district, several consumers in that district were chosen randomly for the study. After collecting data, by deleting an incomplete questionnaire, the analysis was done on 389 remaining questionnaires.

The variables' measurement was established based on previous researches.

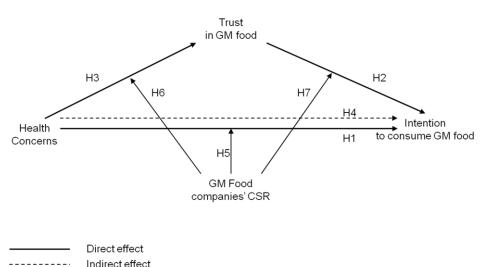


Figure 1. Conceptual framework of the study.

All variables were measured on five-point Likert scales ranging from 1 (strongly disagree) to 5 (strongly agree).

CSR was measured based on the Triple Bottom Line Model of sustainability (i.e. social. environmental, and ethical dimensions (Elkington, 2013); using 14 items, which were derived from previous studies (Alvarado-Herrera et al., 2017; Pino et al., 2016). Health concerns about GM foods were assessed using six items (Kikulwe et al., 2011; Montuori et al., 2012). Trust in GM foods was measured by a four-item scale derived from previous studies (Kikulwe et al., 2011; Siegrist, 2000; Verdurme and Viaene, 2003). Intention to consume GM foods was measured with a six-item scale (Ghali-Zinoubi and Toukabri, 2019; Yazdanpanah et al., 2015). Face validity of the questionnaire was confirmed by a panel of experts.

A confirmatory factor analysis (CFA) was primarily applied to evaluate the goodness of fit indices for the conceptual model (SRMR< 0.10, NFI> 0.90, and RMS_Theta< 0.12; (Hair *et al.*, 2014; Hair *et al.*, 2017). PLS software results showed that the model fits our data (SRMR = 0.078; NFI= 0.77; RMS_Theta= 0.167). Composite Reliability (CR), Average Variance Extracted (AVE) and Cronbach's Alpha (α) values were also

computed (Table 1). CR indicators for the whole variables were above 0.83, which reveals high reliability (Hair *et al.*, 2017). Also, the AVE for all variables was between 0.56 to 0.85, which is above 0.50 (Fornell and Larcker, 1981). To assess discriminant validity, we checked that the square root of the AVE for each construct was higher than the correlation values between this construct and all other constructs. Since according to Table 2, the estimated AVE square root (-0.56< AVE< 0.62) was higher than the correlation values (0.75< r< 0.92), the discriminant validity of the measurement model was confirmed.

RESULTS

According to the findings presented in Table 2, the mean values of some variables such as health concerns ($\overline{X} = 3.60$; SD = 0.75) and trust ($\overline{X} = 4.04$; SD = 0.93) are relatively high, whereas behavioral intention ($\overline{X} = 2.64$; SD =1.16) and CSR ($\overline{X} = 2.99$; SD = 0.88) show medium level of mean values. About 86% of the respondents were informed about GM foods and only 14% of them did not have much information about it. Finally, 60% of consumers were not

Table 1. Validity and reliability Index.

	Cronbach's Alpha	rho_A	Composite reliability	AVE
CSR	0.938	0.945	0.947	0.567
Health Concern	0.823	0.840	0.893	0.736
Intention	0.914	0.916	0.946	0.853
Trust	0.611	0.620	0.836	0.719

Table 2. Descriptive statistics and correlation coefficients between research variables.^a

Variables	Mean (SD	1	2	3	4
CSR	2.9	0.88	0.753			
Health Concern	3.6	0.75	-0.477	0.858		
Intention	2.64	1.16	0.612	-0.566	0.924	
Trust	4.048	0.932	0.313	-0.244	0.391	0.84

 $[^]a$ 1 \leq Mean \leq 5; AVE square roots= On-diagonal values, Correlation= Off-diagonal values.significance at <0.01



willing to consume GM foods.

Testing Hypotheses

To test whether health concerns exert an indirect effect on the respondents' intention to accept GM foods via respondents' trust in such products (H4), a linear regression analysis was implemented using Hayes' PROCESS macro (Model 4). Results indicated that health concerns had a negative and significant influence on intention to consume such products (b= -0.67, P= 0.00), thus confirming H_1 . On the opposite, trust in GM foods had a positive and significant influence on intention to consume such products (b = 0.37, P = 0.00), thus confirming H₂, while health concerns had a negative and significant influence on trust in such products (b = -0.29, P= 0.00), thus confirming H₃. Generally, the analysis yielded both a direct (b= -0.673, P= 0.00) and indirect (b= -0.11, 95% Confidence interval: -0.18, -0.05) effect of health concerns on intention to consume GM foods. The latter effect confirmed H₄.

The second purpose of the research was to test a possible moderating effect of respondents' perception of GM foods companies' commitment to CSR principles. We hypothesized that this variable might reduce the negative influences of health concerns on the intention to consume such products (H₅) and trust in GM foods (H₆) and, instead, enhance the positive effect of trust in GM foods on consumers' intentions (H₇). Hayes' PROCESS MACRO (Model 1) was used again to test such possible moderating effects. First, we tested H₅ by regressing respondents' intention on health concerns and perceptions of GM foods companies' CSR, and the interaction between health concerns and perceptions of GM foods companies' CSR. The analysis yielded a negative effect of health concerns on respondents' intentions (b= -0.53, P= 0.00) and non-significant effect of CSR perceptions and the interaction between health concerns and CSR perceptions on respondents' intentions (P> 0 .20). Hence, H_5 was rejected.

We used the same analysis to test H_6 , and hence investigated a possible moderation effect of CSR perceptions in the relationship between health concerns and trust in GM foods. We regressed respondents' trust in GM foods on both health concerns and CSR perceptions, and the interaction between health concerns and CSR perceptions. None of these variables had a significant effect on the respondents' trust. Therefore, H_6 was rejected.

Next, H₇ was tested to verify a possible moderating effect of CSR perceptions in the relationship between consumers' trust in GM foods and the intention to accept these foods. Therefore, we regressed respondents' intentions on both trusts in GM foods and CSR perceptions and the interaction between trust and CSR perceptions. The analysis demonstrated a positive effect of trust on respondents' intentions (b= 0 .42, P= 0.00) and a positive interaction effect of trust and CSR perceptions on respondents' intentions (b= 0.22, P= 0.00). By looking at the conditional effects of trust respondents' intentions at low (M-1SD) and high (M+1SD) levels of CSR perceptions, we found that such an effect was stronger when respondents scored high (b= 0.59, P= 0.00) rather than low (b= 0.26, P= 0.03) on CSR perceptions, thus validating H₇. More specifically, the Johnson-Neyman analysis (Figure 2) revealed that the conditional effect of trust on respondents' intention was significant when (mean-centered) CSR perceptions were higher than -1.25, corresponding to 2 on the original sevenpoint scale. Thus, even a modest perception of CSR appears beneficial to increase the positive influence of trust on the intention to consume GM food.

Finally, we used again Hayes' PROCESS macro (Model 14) to test a moderated mediation model where the impact of health concerns on respondents' intentions was mediated by trust in GM foods and the effect of trust on respondents' intentions was moderated by CSR perceptions. The analysis

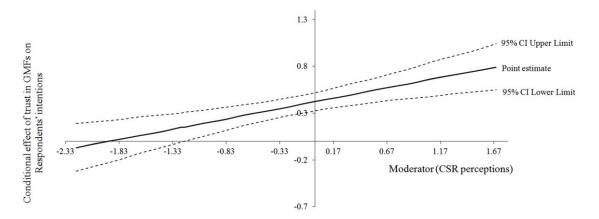


Figure 2. Conditional effect of trust in GM foods on consumption intentions at all levels of CSR perceptions.

returned a significant index of moderated mediation (b= -0.06, 95% Confidence interval= -0.12, -0.02), a negative impact of health concerns on trust in such products (b= -0.29, P= 0.00) and on respondents' intentions (b= -0.46, P= 0.00), a confident influence of trust on respondents' intentions (b= 0.37, P= 0.00), and a significant interaction effect of trust and CSR perceptions on respondents' intentions (b= 0.21, P= 0.00). The conditional indirect result of health concerns on respondents' intentions at low (M-1SD) and high (M+1SD) levels of CSR perceptions was significant for both low levels of CSR perceptions (b= -0.06, 95% Confidence interval= -0.12, -0.02) and high levels of CSR perceptions (b= -0.15, 95% Confidence interval= -0.26, -0.07). These findings indicate that CSR reduced the negative impact of health concerns on respondents' intentions, and such a reduction was larger when respondents' perceived the GM foods producers as highly responsible companies. The results of this analysis are illustrated in Figure 3.

DISCUSSION

Given the potential of GM foods to provide a solution to food security crises worldwide, extensive studies have been conducted on these foods (Cui and Shoemaker, 2018; Valente and Chaves, 2018). However, research on consumers' attitudes and intentions towards GM foods in developing countries, such as Iran, is still

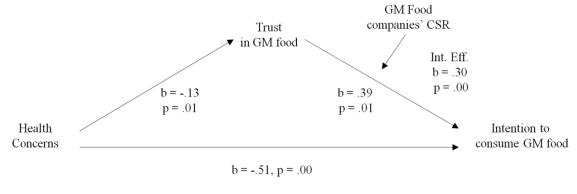


Figure 3. Moderated mediation effect of health concerns on GM foods consumption intention.



limited (Akbari et al., 2019; Ghasemi et al., 2013, 2019) and very few studies have attempted to investigate the impact of trust (Akbari et al., 2019; Marques et al., 2014) and CSR on consumers' attitudes and intention (Akbari et al., 2019). To close this this study considered Iranian consumers' intentions regarding GM foods and the impact of consumer trust and health concerns. The present research investigated whether trust in GM foods mediates the negative influence of health concerns on consumers' intentions toward GM foods and whether consumer perception of GM foods companies' CSR moderates this mediation effect.

The results revealed that 60% of our respondents are generally rather negative towards GM foods consumption. These results are in line with previous studies that found that consumers have negative attitudes and intentions towards GM foods (Koivisto Hursti *et al.*, 2002). In this regard, a study in Beijing, China, showed that more than 50 percent of the participants opposed to such foods (Deng and Hu, 2019).

About 86% of respondents were informed about GM foods and only 14% of them did not have much information about it. This result follows a study that found the majority of teachers (94%) and students (83.9%) had well understood the process of GM food production (Mohapatra *et al.*, 2010), but another study stated that knowledge of biotechnology among students was insignificant and found similarity between their answers with the general community (Lock and Miles, 1993).

The research model indicated that health concerns have the strongest effect on the intention to consume GM foods (b = -0.67), followed by trust (b = 0.37). Also, health concerns had a negative influence on trust in these foods (b = -0.29), thus H_1 and H_3 were confirmed. These findings are in agreement with the findings of previous researches that emphasized the critical role of health concerns in consumer acceptance of GM foods (Akbari *et al.*, 2019; Montuori *et al.*, 2012; Siegrist, 2000).

Iranian customers have a high level of trust in GM scientist reports, pharmaceutical and agriculture companies, and the government. This finding is along with the results of researches in developing and developed countries (Aerni and Bernauer, 2006; Huffman *et al.*, 2004), but different from the others (Deng and Hu, 2019). The most trusted actor in Iran is the government, while the trusted actors in China are government and non-GM scientists (Deng and Hu, 2019), universities, and scientists in the US and South Africa (Aerni and Bernauer, 2006; Huffman *et al.*, 2004).

Importantly, the results indicated that trust in GM foods has a significant impact on the intention to consume these products (b= 0.37). Therefore, H₂ was verified. This finding corroborates the conclusions of those scholars (Akbari et al., 2019; Rodríguez-Entrena et al., 2013) who found that trust in GM foods is a positive determinant of the intention to consume these foods. Assuming that some of the negative attitudes maybe as a result of a phobia, our study recommends that to evade this and offset any impact on people's attitudes toward GM food, it should develop the trust of researchers and regulating systems. (Marques et al., 2014). Therefore, the government, researchers, and academics can develop GM foods by increasing awareness of the risks and benefits of such products. The result of a study found that when buyers have not sufficient knowledge, consumption of such products can be easily rejected by misinformation (Siegrist and Cvetkovich, 2000).

The present study confirmed the mediating role of trust between health concerns and intention to consume GM foods (b= -0.11). This finding clarifies how health concerns adversely influence consumers' intention toward GM foods by proving that health concerns weaken consumers' intentions towards GM foods, both directly and indirectly, and by diminishing consumers' trust in GM foods. Kwak *et al.* (2020) found that trust in eco-labels mediates between GM foods' environmental friendliness

information and intention to consume such products. Also, Frewer *et al.* (2003) found that the extent to which the public trusted the information sources seemed to be driven by the public's attitudes to GM foods

The results prove a moderating influence of CSR in the relationship between trust and intention to consume GM foods (H_7). This effect, which was not demonstrated before, suggests that CSR can compensate for the negative impact of health concerns on consumers' intentions toward GM foods. At the same time, our results do not support a moderating impact of CSR in the relationship between health concerns and intention to accept GM foods (H_5), and in the relationship between health concerns and trust in GM foods (H_6).

CONCLUSIONS

Acceptance of GM foods remains a controversial issue and very little is still know about consumers' dispositions and intentions towards these products in developing countries, such as Iran (Akbari et al., 2019; Fozouni Ardekani et al., 2020). This study has provided a broad analysis of intention toward GM food in Iran. Our research aimed to contribute to previous literature by investigating the relationship health concerns. between trust. and behavioral intention and consumers' perceptions of GM foods companies' CSR, which have received very little attention, so far. Our results showed that consumer intention toward GM food is generally low, but their information about these foods is high. The research found a strong and negative relationship between health concerns and the intention to use GM foods. More importantly, the research highlighted the significant influence of CSR in the relationship between trust in GM foods and consumers' intention towards such products. We believe that our results may be of practical relevance for food policymakers and managers who should recognize the important role that trust and CSR have in the

formation of consumers' intentions towards GM foods.

From a theoretical perspective, our research demonstrates that CSR perceptions influence consumer intention concerning GM foods. Previous studies in the food literature have focused on the impact of CSR on purchase intention (Butt et al., 2019; Lee and Lee, 2015; Loose and Remaud, 2013). However, to our knowledge, this research is one of the first to demonstrate that CSR perceptions may enhance the impact of trust in GM foods on consumers' intentions toward such products. From this point of view, our research adds to the literature on GM foods by demonstrating that favorable perceptions of the CSR initiatives of GM foods companies can boost the significant impact of trust in GM foods on intention toward these products. At the same time, this research contributes to the literature on CSR by shedding light on consumer responses to CSR activities in the realm of GM foods consumption (Akbari et al., 2019; Loose and Remaud, 2013; Pino et al., 2016).

From policy implication viewpoint, GM researchers and the government should offer more scientific details and recent studies results to the public in an easily understandable format to help customers comprehension of GM foods (Deng and Hu, 2019). Marketing practitioners can create a sustainability strategy to strengthen their message about GM foods. Under new governmental law, GM food producers will indicate GM information. To ensure higher trust toward GM foods, companies could also include their electronic tags to provide independent information about their products' environmental impacts. While governments are responsible for regulating GM foods, they may want to promote the biotechnology industry as part of industrial and economic policies. When companies invest and promote environmentally-friendly GM foods to reap a competitive advantage, they should publicize positive environmental information about GM foods (Kwak et al., 2020). The government should encourage the media to report on GM technology based



on scientific facts, avoid exaggerated reports, and avoid spreading false information. It often takes the media only days to release the reports or evoke a hot debate about GM technology, however, it can take months or years for scientists to respond to an issue or to correct the reports (Flipse and Osseweijer, 2012).

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قصد مصرف کنندگان برای غذای اصلاح شده ی ژنتیکی: یک مدل میانجیگری تعدیل شده

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چکیده

بعث در مورد موادغذایی اصلاحشده ژنتیکی همزمان با توسعه بیوتکنولوژی مورد توجه بسیاری قرار گرفته است. این مقاله به بررسی قصد مصرف کنندگان نسبت به موادغذایی تراریخته در ایران پرداخته است. با توجه به پتانسیل مسئولیت اجتماعی شرکتی در شکل گیری رفتار مصرف کنندگان، روابط بین مسئولیت اجتماعی شرکتی، اعتماد و نگرانیهای مربوط به سلامت افراد با قصد مصرف کنندگان نسبت به موادغذایی تراریخته به ندرت بررسی شده است. این مطالعه برای بررسی اینکه نگرانیهای مربوط به سلامت افراد، اعتماد به غذاهای تراریخته و ادراک از مسئولیت اجتماعی شرکتی بر اهداف مصرف کنندگان نسبت به غذاهای تراریخته تأثیر می گذارد، از یک مدل میانجی گری تعدیل شده استفاده کرده است. در این مطالعه 988 مصرف کننده بررسی شدند که نتایج نشان داد نگرانیهای مربوط به سلامت افراد منجر به کاهش اعتماد به غذاهای تراریخته میشود، اما اعتماد تأثیر مثبتی بر قصد مصرف کنندگان نسبت به این محصولات دارد. بنابراین نقش میانجی بین نگرانیهای مربوط به سلامت و قصد مصرف کنندگان دارد. از همه مهمتر، ادراک از مسئولیت اجتماعی شرکتی تأثیر مثبت اعتماد به غذاهای تراریخته را بر روی قصد مصرف کنندگان برجسته می کند، بنابراین این شواهد، نقش تعدیل کنندگی مسئولیت اجتماعی شرکتی مشخص می شود.