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MODERATOR ROLE OF GENDER IN THE EFFECT OF ENVIRONMENTAL COMMITMENT ON ENVIRONMENTAL RESPONSIBILITY BEHAVIOUR IN HOTEL EMPLOYEES

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ABSTRACT

Keywords:

Environmental Commitment,
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JEL Codes:

L83, Q56

The primary purpose of the present study is to demonstrate the moderator role of gender in the effect of the environmental commitment of hotel business employees on environmental responsibility behaviour. The Scanning Method was applied in the study. The sampling of the study consisted of 397 employees working in five-star hotel businesses in the Antalya region between September and October 2019. The Questionnaire form was preferred as the data collection tool in the study. The data obtained as a result of the study were subjected to statistical analyses. These analyses were frequency analysis, reliability analysis, factor analysis, and regression analysis. As a result of the regression analysis, it was found that the environmental commitment levels of employees in hotel businesses had a positive and moderate effect on environmental responsibility behaviour. It was also found that gender had a moderator role in the effect of environmental commitment in employees on environmental responsibility behaviour.

OTEL ÇALIŞANLARINDA ÇEVRESEL BAĞLILIĞIN ÇEVRESEL SORUMLULUK DAVRANIŞINA ETKİSİNDE CİNSİYETİN MODERATÖR ROLÜ

ÖZ

Anahtar Kelimeler:

Çevresel Bağlılık,
Çevresel Sorumluluk Davranışı,
Otel Çalışanları,
Antalya

JEL Kodları:

L83, Q56

Bu araştırmanın temel amacı, otel işletmelerindeki çalışanlarda çevresel bağlılığın çevresel sorumluluk davranışına etkisinde cinsiyetin moderatör rolünü ortaya koymaktır. Araştırmada tarama yöntemi uygulanmıştır. Araştırmanın örneklemini 2019 yılı Eylül-Ekim ayları arasında Antalya bölgesinde bulunan beş yıldızlı otel işletmelerindeki 397 çalışan oluşturmaktadır. Araştırmada veri toplama yöntemi olarak anket tekniği tercih edilmiştir. Araştırma sonucu elde edilen veriler istatistiksel analizlere tabi tutulmuştur. Bu analizler frekans dağılımı, güvenilirlik analizi, faktör analizi ve regresyon analizidir. Regresyon analizi sonucunda, otel işletmelerinde çalışanların çevresel bağlılık düzeylerinin çevresel sorumluluk davranışı üzerinde pozitif yönlü orta derecede bir etkisinin olduğu saptanmıştır. Ayrıca çalışanlarda çevresel bağlılığın çevresel sorumluluk davranışına etkisinde cinsiyetin moderatör role sahip olduğu tespit edilmiştir.

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1. INTRODUCTION

Environmental problems and environmental protection are among the most focused issues in the entire world. Considering this fact, environmental problems, which constitute a compassionate issue in tourism, force tourism organizations and businesses to take precautions. As a reaction to environmental problems in recent years, the hospitality sector has started to apply for various environmental programs. The purpose of the environmental programs of hotels is based on reasons such as developing an environmentally friendly image for customers, protecting the environment, and for cost-saving purposes. For this reason, many hotel businesses prefer to have and use different eco-label certificates, whose number is more than 50 worldwide (Chan, 2013). Environmental applications like "Green Star" certificate given to hotels in Turkey have become common in recent years. In this respect, as of 2020, the number of hotels with "Green Star" certificates reached 478 (KTB, 2020). A green and environmental image is an effective way of attracting customers to hotels. However, these environmental practices have also some financial costs. Therefore, businesses have to consider environmental responsibility and financial performance (Mercado & Walker, 2012). Right at this point, sensitivities like environmental responsibility behaviour and environmental commitment are useful for hotel businesses.

Studies conducted on environmental responsibility behaviour and environmental commitment focus on the behaviour of tourists and hotel guests (Lee & Jan, 2015; Cheng & Wu, 2014; Chiu et al., 2014; Han & Yoon, 2015; Su & Swanson, 2017; Han et al., 2019). However, there are studies in the literature associating the concept of environmental responsibility with the commitment concept (Lee, 2011; He et al., 2018). In this respect, it was noted that these studies focused mostly on tourists. However, it is known that hotel enterprises cause some environmental problems (unplanned urbanization, waste problem, agricultural land occupation, high energy and water consumption) in practice. Many of these problems arise from the inadequate sensitivity and knowledge of hotel employees about the environment. Despite this problem, there are no adequate studies in the tourism literature on the environmental attitudes and perceptions of hotel employees, which are among the essential

components of hotel enterprises. Employees of businesses that want to have the image of being a "Green Hotel" must also show environmentalist behaviours. That is why this situation should be investigated academically. Based on this, the present study has aimed to measure the environmental commitment levels and environmental responsibility behaviours of hotel employees and to determine the role of gender in the relation between these two variables.

2. LITERATURE REVIEW

2.1. Environmental Commitment

Environmentalism, which supports and encourages the protection of natural resources and the transfer of these to future generations, stands out as an important concept that has been discussed in recent years with the use of disposable products too much, environmentally damaging manufacturing processes, and due to the disruption caused by environmental disasters (Easterling, Kenworthy & Nemzoff, 1996; Han, Hsu & Sheu, 2010). The interaction between the individual and the natural environment, which is an indispensable element of human life, and which is frequently associated with each other, has caused that the concept of environmental commitment emerged (Davis, Le & Coy, 2011). Environmental commitment is based on the "Commitment Model" of Rusbult (1980), which was derived from the theory of Mutual Commitment Theory that was developed by Kelley and Thibaut (1978) (Coy et al., 2013). In the relevant theory, "*commitment*" is defined as a subjective trust experience, which the individual shows in terms of his/her needs. In other words, individuals are more committed to meeting their needs than they depend on anything else. The individual's commitment to the natural environment to sustain his/her life may be given as an example of this (He et al., 2018). The environmental commitment concept is defined as the long-term adaptation and psychological attachment to the natural environment (Davis, Le & Coy, 2011).

The Mutual Commitment Theory focuses on how a relation structure like human-natural environment affects motivation and behaviour in time (Kelley & Thibaut, 1978). The Natural Environmental Management, which emerged as a result of the pressures of individuals with high environmental commitment and the

regulations made by the administrations of countries, has become one of the most critical issues of businesses. These issues significantly affect all processes of the activities of a business (Henriques & Sadorsky, 1999). Especially the rapid change in desires and expectations with postmodernism has led to increased production followed by rapid consumption, which, in turn, fueled the depletion of natural resources and environmental destruction. On the other hand, individuals who realize that protecting natural resources is vital in terms of sustainability of life prefer the goods and services produced by environmentally sensitive enterprises (Rahman & Reynolds, 2016).

The environmental management system of the businesses that produce goods and services will ensure that employees are environmentally sensitive (Perez-Lopez, Moreno-Romero & Barkemeyer, 2015), making it easier for consumers who prefer eco-friendly products are directed to these businesses, becoming loyal consumers (Han, Lee & Kim, 2018). Hotel businesses, which produce services and have an essential share in the tourism sector, are known as *Green Hotels* thanks to the environmentally friendly applications they have implemented in recent years (Han & Yoon, 2015). Also, an environmentally conscious hotel business implements its green management/marketing strategies actively and follows environmentally-friendly guidelines developing environmentally friendly practices to limit the damage given to the environment (Han, 2015). Environmentally friendly implementations that are developed by hotels attract tourists who are committed to the environment. On the other hand, these practices also enable hotel employees to change their opinions on the environment, causing more environmentally sensitive and responsible behaviours (Molina-Azorin et al., 2009).

2.2. Environmental Responsibility Behaviour

The environmental problems, which emerged as a result of industrialization, rapid population growth, and urbanization, have led to many negativities like climate change, global warming, extinction of species, and destruction of natural areas (Uzzell, 2000; Ambec & Lanoie, 2008; Mercado & Walker, 2012). Natural beauties are among the most critical assets of destinations for the tourism sector. Also, the natural

environment is one of the factors attracting most tourists to a particular destination. When the literature was reviewed, it was seen that studies on the environment in the field of tourism focused on sustainable development and touristic consumer preferences. The developments, especially in the tourism sector, has been an essential topic of discussion as well as bringing with it the economic development and the damage to the natural environment (Kasim, 2006; Cheng & Wu, 2014; Chiu et al., 2014; Han & Yoon, 2015; Su & Swanson, 2017; He et al., 2018).

On the other hand, the intense tourist mobility in destinations and unplanned tourism investments are also the cause of environmental problems like unplanned urbanization, air/water pollution, and greenhouse gas emissions (Razaa et al., 2017). Based on this point, environmental problems emerging as a result of tourism development raised the environmental responsibility concept. In the tourism literature, the environmental responsibility concept is discussed in different aspects. Table 1 shows essential studies in which the environmental responsibility concept was examined in the tourism literature.

Table 1. Primary Studies Conducted on Environmental Responsibility in The Field of Tourism

Authors	Conducted in	Type	Sampling	Findings
Kasim, 2006	Worldwide	Qualitative	-	It was emphasized that the damage caused by tourism activities to the environment had been increasing day by day. In terms of sustainability, it was recommended to all stakeholders in tourism to prioritize issues that required environmental responsibility. The researcher especially stated that hotel businesses should fulfil their environmental obligations.
Cheng & Wu (2014)	Penghu Island - Taiwan	Quantitative	477 tourists	It was found that environmental knowledge level and environmental sensitivity were associated with environmental responsibility behaviour. It was also revealed that environmental sensitivity and destination loyalty mediated the relation between environmental knowledge and environmental responsibility.
Chiu et al., 2014	Taijiang National Park - Taiwan	Quantitative	328 tourists	It was determined that after the participation of tourists in ecotourism activities, the value they perceived in the destination and satisfaction from the destination affected the environmental responsibility behaviour level.
Han & Yoon, 2015	The U.S.A.	Quantitative	384 hotel guests	It was concluded that environmental responsibility behaviour has an impact on individuals on their decisions to choose eco-friendly hotels.
Su & Swanson, 2017	Hunan - China	Quantitative	539 Chinese tourists	It was determined that the touristic consumption feelings and destination definitions of visitors had a mediator effect in the relation between the perception of social responsibility of the destination and the environmental responsibility behaviours of tourists.

Authors	Conducted in	Type	Sampling	Findings
He et al., 2018	Yuelu Mountain - China	Quantitative	568 visitors	It was determined that tourist satisfaction and environmental commitment played a full mediator role between environmental responsibility behaviour and perceived value from visiting a destination. It was also determined that the quality of environmentally sensitive employees affected the satisfaction of tourists in showing environmental responsibility behaviour.
Han et al., 2019	US Airplanes - USA	Quantitative	309 airway passengers	It was found that environmental responsibility and intent perceptions for the planes for customers using airlines had effects in terms of gender and age. It was also stated that gender had a moderator effect.

A total of 7 of the primary studies in the tourism literature, which are about environmental responsibility behaviour, are presented in Table 1 above. In this respect, it may be argued that the studies mainly discussed the sampling of tourists and customers. On the other hand, an exciting issue in one of the studies (He et al., 2018) is that businesses with employees who care about the environment should be cared and recommended by visitors. For this reason, examining environmental commitment and environmental responsibility behaviour will make a significant contribution in terms of literature not only in terms of tourists but also in hotel business employees. The following hypothesis was developed in this respect.

H₁: The environmental commitment level of the hotel employees included in the study has a positive effect on environmental responsibility behaviour.

Another interesting issue in one of the studies given in Table 1, (Han et al., 2019) and in different studies outside the tourism field not presented in the table (Sakellari & Skanavis, 2013; Xiao & Hong, 2018), is the result that demographic variables like gender and age affect environmental perceptions and attitudes. In this respect, environmental responsibility behaviour and environmental commitment level in hotel

employees may vary according to the demographic structure. For this reason, based on these explanations, the following hypothesis was developed.

H₂: Gender has a moderator role in the relationship between environmental commitment levels and environmental responsibility behaviours of hotel employees participating in the study.

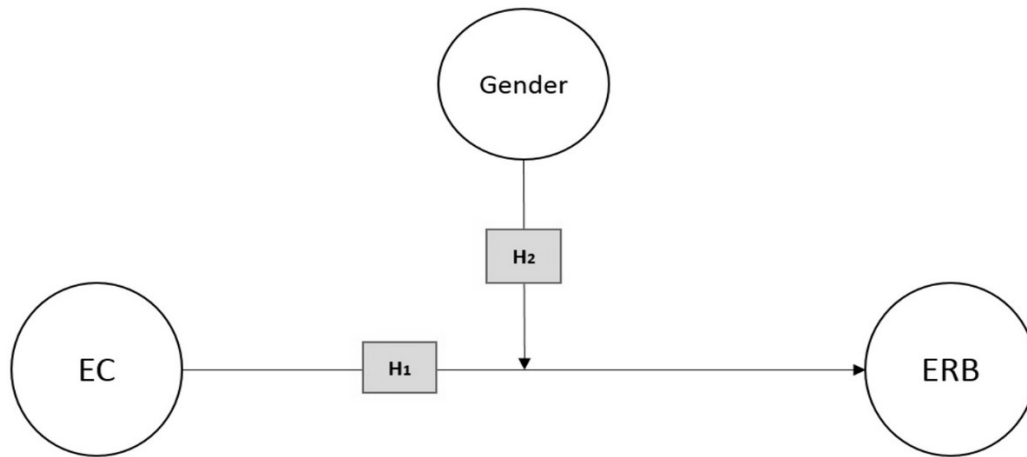


Figure 1. Research Model

The research model is seen in Figure 1 above. Among the abbreviations given in the model, EC refers to Environmental Commitment, and ERB refers to Environmentally Responsible Behaviour.

3. METHODOLOGY

The Scanning Method, which is among the descriptive study models, was preferred in the study, and the Quantitative Method was used. Since it was not possible to determine the total study population as an exact number, the convenience sampling of non-probability sampling methods was used. According to Hair et al. (2014), for the Explanatory Factor Analysis, it is necessary to reach ten times more participants than the number of the statements presented in the research scales. The environmental commitment and environmental responsibility behaviour scales consisted of a total of 10 expressions. Therefore, at least 100 people should be reached. In this study, the study population consisted of the five-star hotel employees in Antalya. Depending on the purpose of the study, the data were collected in September and October 2019. For this reason, it was not necessary to obtain the ethics committee certificate required by ULAKBIM TRDIZIN for the researches that have been done

since the beginning of 2020. Hotel businesses which have environmental sensitivity and are among the most critical components of the tourism sector were chosen in line with the purpose of the research. In this context, the data of the research were collected from employees working in hotel businesses in the September-October period, 2019. More than 50 employees were included in the pilot study in the first step. As a result of the pilot study, it was concluded that the scales in the questionnaire were suitable, and the ultimate data were collected in the second step. A total of 450 questionnaire forms were distributed, incomplete and incorrect forms were eliminated from the study, and analyses were made with 397 questionnaires.

The questionnaire form of the study consisted of three parts. In the first part, there were expressions aimed to determine the demographic characteristics of the employees. In the second part, the Environmental Commitment Scale, which was developed by Davis et al. (2009) to measure the environmental commitment of hotel staff, and which was used by He et al. (2018), consisting of 4 expressions and one dimension, was preferred. In the third part of the study, the scale that was developed and used by Cheng et al. (2013), Chiu et al. (2014), and He et al. (2018) to measure environmental responsibility behaviour was preferred. This scale consisted of 6 expressions and one dimension. The expressions in both scales were rated in 5-Point Likert style and were presented to hotel employees.

Depending on the purpose of the study, the data were transferred to the SPSS 20 Package Program, and the percentage and frequency tables were used. Normality test was used to check whether the data are parametric or not. In this context, the kurtosis and skewness values of all the expressions in the scales were between +1.5 and -1.5, and it was determined that the data were distributed normally (Kline, 2011). As a result, the Simple Linear Regression Analysis was used to determine the effect of environmental commitment on environmental responsibility behaviour. The SPSS Process Macro Program was also used to determine the moderator role of gender in this effect.

4. FINDINGS

The findings of the study have been presented in this section. In this respect, frequency analysis, factor analysis, and regression analysis results are given respectively. The demographic characteristics of the hotel employees who participated in the questionnaire application that was conducted in the scope of the study are given in Table 2.

Table 2. Demographic Characteristics of Participants

Demographic Variables		n	%
Gender	Male	243	61,2
	Female	154	38,8
Age	18-25 years	100	25,2
	26-33 years	218	54,9
	34-41 years	51	12,8
	42-49 years	13	3,3
	50 years and older	15	3,8
Marital Status	Married	172	43,3
	Single	255	56,7
Education Status	Primary	24	6,0
	Secondary	143	36,0
	Vocational School	77	19,4
	Undergraduate	141	35,5
	Postgraduate	12	3,0
Sectoral Experience	Less than 1 year	12	3,0
	1-10 years	242	61,0
	More than 11 years	143	36,0

When Table 2 is examined, it is seen that 61.2% of the employees are male, and 38.8% are female. The age groups are as follows; 25.2% are between 18-25, 54.9% are between 26-33, 12.8% are between 34-41, 3.3% are between 42-49, and 3.8% are aged 50 and over. A total of 56.7% of the employees who have filled out the questionnaires are single. Besides, 6% had primary education, 36% had secondary education, 19.4% had an associate degree, 35.5% had undergraduate degrees, and 3% had postgraduate education. When the distribution for sectoral experiences is examined, it can be understood that 3% has less than 1-year experience, 61% has worked in the sector for 1-10 years, and 36% has worked for 11 years or more.

Table 3. Factor Analysis Results of Environmental Commitment Scale

EXPRESSIONS	Factor Loading	Initial Eigenvalues	% of Variance	Cronbach's Alpha
Environmental Commitment		2.452	61.288	0.787
I am determined in considering the interests of the environment at the hotel I am staying.	0.709			
I think that I will deal with environmental activities more in the future.	0.790			
I am quite committed to the natural environment of the business I work for.	0.801			
I am committed to the natural environment of the hotel and its surroundings with strong ties.	0.827			
Total Scale Reliability and Variance			61.288	0.787
<i>Kaiser-Meyer-Olkin Measure of Sampling Adequacy: KMO = 0.731;</i>				
<i>Bartlett's Test of Sphericity: $\chi^2 = 489.396$; $P = 0.000$</i>				

The results of the factor analysis and reliability analysis for the Environmental Commitment Scale used in the study are given in Table 3. When the findings in the table have been examined, in order to determine the analysis adequacy of the sampling number that is related to the scale, the KMO value has been checked, and it is 0.731. The results show that the KMO value is higher than 0.6 and that the Bartlett Test is significant (Hair et al., 2014), which shows that the data have been suitable for factor analysis. It has also been determined that the Environmental Commitment Scale explains approximately 61% of the total variance.

The factor loading values of the scale items being 0.50 or above is considered as a criterion. Factor loadings are at the lowest level as 0.709 in the descriptive factor analysis. Also, the Cronbach's Alpha (CA) value has been calculated to determine the internal consistency and reliability of the scale and is 0.787. It can be understood that this is above the generally accepted minimum value (Hair et al., 2014). As a result, it can be argued that the environmental commitment scale is reliable.

Table 4. Factor Analysis Results of the Environmental Responsibility Behaviour Scale

EXPRESSIONS	Factor Loading	Initial Eigenvalues	% of Variance	Cronbach's Alpha
Environmental Responsibility Behaviour		2.528	59.884	0.718
I obey the environmental protection rules defined by the hotel.	0.541			
I prevent the organizations and activities that may harm the environment.	0.604			
I clean up the garbage and wastes during my shift.	0.594			
I continuously follow the legal regulations regarding the environment.	0.708			
When I see garbage or wastes on the ground, I take them and put them in the litter bin.	0.781			
I try to correct the behaviours of others regarding the protection of the environment.	0.765			
Total Scale Reliability and Variance			59.884	0.718
<i>Kaiser-Meyer-Olkin Measure of Sampling Adequacy: KMO = 0.697;</i>				
<i>Bartlett's Test of Sphericity: $\chi^2 = 484.446$; $P = 0.000$</i>				

The factor analysis and reliability analysis results of the Environmental Responsibility Behaviour Scale used in the study have been presented in Table 4. When the findings in the table have been examined, in order to determine the analysis adequacy of the sampling number that is related to the scale, the KMO value has been checked, and it is 0.697. The results show that the KMO value is higher than 0.6 and that the Bartlett Test result was significant (Hair et al., 2014), which shows that the data were suitable for factor analysis. Also, it has been found that the Environmental Responsibility Behaviour Scale explained approximately 60% of the total variance.

As a result of the descriptive factor analysis, the factor loadings are the lowest at 0.541. Also, the Cronbach's Alpha (CA) value was examined to determine the internal consistency reliability of the scale and has been calculated as 0.718. It can be understood that this was above the generally accepted minimum value (Hair et al., 2014). As a result, the environmental responsibility behaviour scale is reliable.

Table 5. Effect of EC on ERB

Independent variables	Unstandardized Coefficients		Standardized Coefficients	t	Sig.	F	R ²
	Beta	S.D.	Beta				
Constant	2,053	0,43	-	13,106	0,000*	192,937	0,326
EC	0.515	0,47	0,573*	13,890	0,000*		

*p<0,001; EC: Environmental Commitment; ERB: Environmental Responsibility Behaviour

In Table 5, according to the results of the Simple Linear Regression Analysis made to determine the effect of environmental commitment on environmental responsibility behaviour, environmental commitment is the independent variable, and environmental responsibility behaviour is the dependent variable. It has been found that the linear regression model between the variables is significant in the analysis results ($F=192.937$; $p<0.001$). When the model is examined, it has been found that one-unit increase in environmental commitment makes a positive change of 0.573 unit in environmental responsibility behaviour. For this reason, the "**H₁: Environmental commitment levels of hotel employees participating in the study have a positive effect on environmental responsibility behaviour**" has been **accepted**.

Table 6. Regression Analysis Results Showing Moderator Effect

Variables	β	CI	Standard Error	t
Constant	0,877*	[0,05, 1,81]	0,474	1,98
EC (X)	0,706**	[0,53, 0,98]	0,113	6,73
Gender (W)	0,869*	[0,24, 1,49]	0,315	2,75
X.W	0,181*	[0,32, 0,51]	0,074	2,43

R= 0,59, R²= 0,35, *p<0,05 **p<0,001; EC: Environmental Commitment

The Regression Analysis results based on the Bootstrapping Method to test the moderator role of gender on the effect of the environmental commitment of hotel employees on environmental responsibility behaviour have been presented in Table 6. It is argued that the Bootstrapping Method produces more reliable results than the traditional method of Baron and Kenny (1986) (Hayes, 2013). The analyses were made

by using the Process Macro that was developed by Hayes (2013). The 5000-re-sampling option was preferred in the analysis with the Bootstrapping Method. In the moderator effect analysis made with the Bootstrapping Method, it is required that the values in the 95% Confidence Interval obtained as a result of the analysis should not cover the "zero" value to support the study hypothesis. The regression analysis results are given in the table. According to the results, it can be seen that all predictive variables included in the regression analysis explain 35% of the change in environmental responsibility behaviour. Also, gender affects environmental responsibility behaviour ($\beta=0.869$, $p<0.05$). It has been found that the moderator effect of environmental commitment and gender variables on environmental responsibility behaviour is significant ($\beta=0.181$, $p<0.05$). According to this result, the hypothesis "H₂: Gender has a moderator role in the relation between the environmental commitment levels of hotel employees participating in the study and environmental responsibility behaviours" has been **accepted**.

Table 7. Moderator Effect Results of Gender Variable

Gender	β	CI	Standard Error	T	p
Male	0,579	[0,48, 0,67]	0,04	11,80	0,000*
Female	0,398	[0,29, 0,51]	0,05	7,13	0,000*

In Table 7, two different regression statistics on whether the effect of environmental commitment on environmental responsibility behaviour is significant in case gender, which is the moderator variable, is male (0.579) and female (0.398). According to the regression results, the effect of environmental commitment is significant on environmental responsibility behaviour in males, and this effect is approximately 58%. However, this effect in women is significant, and the level of the effect was approximately 40%.

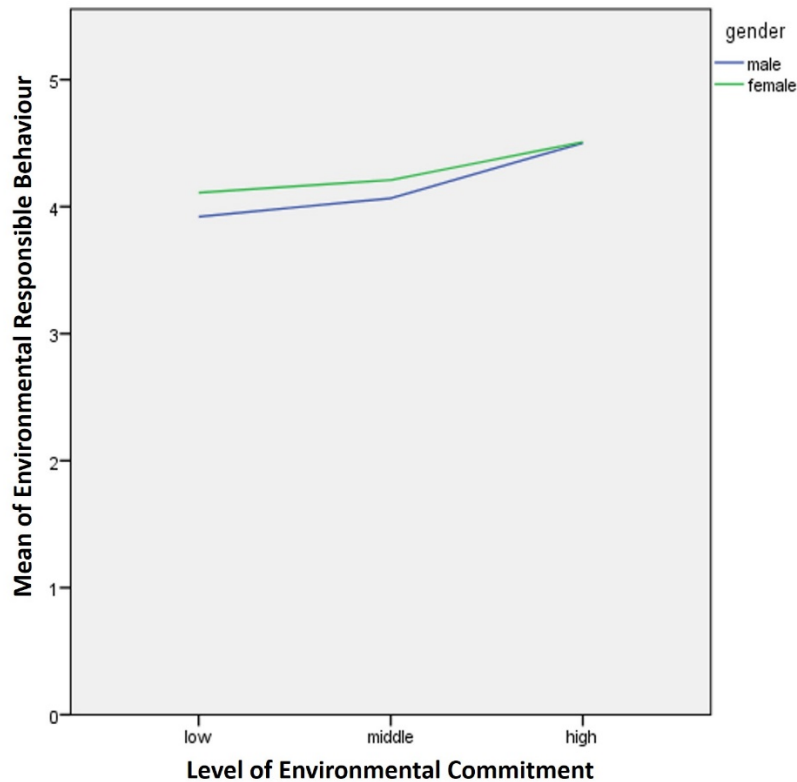


Figure 2. Graphical Notation of the Moderator Effect of Gender

According to the analysis, a one-unit increase in environmental commitment provided a 58% increase in environmental responsibility behaviour in men and 40% in women. The graphic of this effect is shown in Figure 2. When the figure is examined, it is observed that environmental responsibility behaviour also increases in cases where environmental dependence is high in men and women.

5. RESULT AND RECOMMENDATIONS

The sampling of this study, which aimed to measure the environmental commitment levels and environmental responsibility behaviours of employees in hotel enterprises, and to determine the role of gender in the relation between these two variables, consisted of 397 staff working in five-star hotel businesses in Antalya. A total of 61.2% of the hotel employees who made up this sampling were male, and 38.8% were female. The rate of females working in the tourism sector in Turkey was projected to be around 27.3% and will be 36.5% by 2023 (WTTC, 2014). Considering these data, the 38.8% female employee rate detected in this study is in line with the current situation in tourism employment.

According to the results of the regression analysis made in the scope of the present study, the environmental commitment levels of hotel employees participating in the study positively affect environmental responsibility behaviour. This result is similar to the results of other studies conducted on tourists in the literature (Lee, 2011; He et al., 2018). In this respect, hotel employees who have high environmental commitment levels are expected to behave positively in terms of environmental responsibility. Based on this, hotel businesses that wish to show an environmentalist image should inform their staff about environmental sensitivity, and give them environmental awareness. In this context, not only the hotel businesses but also NGOs and trade unions that operate in the hotel management business field also have important tasks. Therefore, it will be possible to minimize destruction to the environment as the data will be transmitted to hotel business employees.

Another result obtained in the present study was that female employees had higher scores compared to men in terms of environmental commitment and environmental responsibility behaviours among hotel employees. In other words, the environmental sensitivity of female employees was higher than men. This result is similar to the qualitative studies in the literature (Sakellari & Skanavis, 2013; Chan, 2013; Han et al., 2019; Xiao & Hong, 2018). On the other hand, the relation detected between the environmental commitment level and environmental responsibility behaviours was the most distinctive finding that made the present study necessary. As a result of the analyses, the environmental commitment level in male employees was found to affect the development of environmental responsibility behaviour further. In this respect, as the level of environmental commitment of male employees increased, the tendency to show environmental responsibility behaviour positively increased more compared to females. For this reason, hotel businesses, NGOs and educational institutions related to hotel businesses should provide more information about the environment, especially to male employees, and increase their environmental commitment and awareness.

The present study had some limitations. It is a limitation of the study that it was conducted in certain months in 2019. On the other hand, it is another limitation that it covered only the hotel personnel in Antalya. For this reason, it might be suggested that

future studies are conducted in the field of hotel businesses at different times and to include different regions. It can also be recommended to conduct a similar study by adding different variables to those included in this study. Academicians in the field of tourism can consider these issues in future studies. As a result, all stakeholders operating in the field of hotel businesses can benefit from the findings and recommendations obtained in the scope of this study.



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