

ASERS

Journal of Environmental Management and Tourism

Quarterly

Volume XIII

Issue 3(59)

Summer 2022

ISSN 2068 – 7729

Journal DOI

<https://doi.org/10.14505/jemt>

 **ASERS**
Publishing



Editor in Chief

Ramona PÎRVU

University of Craiova, Romania

Editorial Advisory Board

Omran Abdelnaser

University Sains Malaysia, Malaysia

Huong Ha

University of Newcastle, Singapore,
Australia

Harjeet Kaur

HELP University College, Malaysia

Janusz Grabara

Czestochowa University of Technology,
Poland

Vicky Katsoni

Techonological Educational Institute of
Athens, Greece

Sebastian Kot

Czestochowa University of Technology,
The Institute of Logistics and International
Management, Poland

Nodar Lekishvili

Tbilisi State University, Georgia

Andreea Marin-Pantelescu

Academy of Economic Studies Bucharest,
Romania

Piotr Misztal

The Jan Kochanowski University in
Kielce, Faculty of Management and
Administration, Poland

Agnieszka Mrozik

Faculty of Biology and Environmental
protection, University of Silesia, Katowice,
Poland

Chuen-Chee Pek

Nottingham University Business School,
Malaysia

Roberta De Santis

LUISS University, Italy

Fabio Gaetano Santeramo

University of Foggia, Italy

Dan Selişteanu

University of Craiova, Romania

Laura Ungureanu

Spiru Haret University, Romania

ASERS Publishing

<http://www.asers.eu/asers-publishing>

ISSN 2068 – 7729

Journal DOI: <https://doi.org/10.14505/jemt>

Table of Contents:

	Gendered Perceptions for Identifying Ecosystem Services in the Arid Ecosystem of Wadi Araba in Jordan	
1	Amani AL-ASSAF, Abeer ALBALAWNEH, Amgad HJAZIN, Rabab KABARITI, Lana ABU NOWAR, Jafar ALWIDYAN, Ghadeer ALBASHBSHEH, Mai DIAB, Wafa'a ABU HAMMOUR, Safaa ALJAAFREH, Salsabeel AL-SHISHANY, Nizar HADDAD	605
	The Impact of Environmental Factors on Families with Disabilities as an Object of Structural Modeling	
2	Tatyana PRITVOROVA, Dinara TEMIRBAYEVA, Yelena GORDEYEVA, Nurgul KUTTYBAEVA, Bakyt SPANOVA	619
	Environmental and Legal Regulation of Radioactive Pollution Management	
3	Aktoty RZABAY, Bolat SERIYEV, Erbol BEISOV, Gulnura KOPBASSAROVA, Damira KURMANBAYEVA	633
	The Role of International Criminal Law in Violations of the Environment During Armed Conflict	
4	Abedalrag AL-DLABEEH, Ahmad Hussein ALSHARQAWI, Rami AL KLOUB, Abdel-Kareem Ottallah KARABSHEH	643
	Product and Service Quality and Growth of Agriculture Firms in Nigeria. Implication for the Environment Management	
5	Kelvin Agbarha EGBERI, Justina OBOREH	649
	Legal Significance of Digitalization of Environmental Information in Ensuring Environmental Safety	
6	Dauren BEKEZHANOV, Aktoty RZABAY, Olzhas NESIPBAEV, Feruza KOPBASSAROVA, Halibati HALIBIYATI	656
	Assessment of Particulate Matters Especially PM_{2.5} and PM₁₀ Concentration During and Before Lockdown in the Various Metropolitan Cities of India	
7	Gourav Kumar SINGH, Shivom SINGH, Swapnil RAI, Nimisha JADON	665
	Correlation of Changes in Waste Generation in the Year Before and During the Pandemic in Surakarta City	
8	Mega Mutiara SARI, Iva Yenis SEPTIARIVA, I Wayan Koko SURYAWAN	674
	Analysis of Sustainable Development of SMEs in Agriculture	
9	Anargul BELGIBAYEVA, Oxana DENISSOVA, Marina KOZLOVA, Irina SAVCHENKO, Azat TLEUBAYEV, Gaukhar SIXIMBAYEVA	681
	Theoretical and Methodological Principles of Investment Support for Innovation-Oriented Development of Agrarian Production	
10	Oleksii ZORIA, Ilona YASNOLOB, Oleksandr GALYCH, Oleksandr CHERCHATYI, Yurii TIUTIUNNYK, Svitlana TIUTIUNNYK, Tetiana DUGAR, Oleksandr KALIAN, Tetyana MOKIENKO	695
	Problems of Sustainable Development of Single-Industry Towns. Example of Karaganda Region	
11	Akmaral MAIMURUNOVA, Turlybek KAZBEKOV, Zhanat MYRZABEK, Zhanna SHUGAIPOVA, Botagoz SAPAROVA, Zhanargul ZHUGUNISSOVA	707
	Management Policies Implication for the Agricultural Land Conversion Sustainable Control Strategy in Bali Province	
12	I Dewa Putu Oka SUARDI, WIDHIANTHINI, Gede Mekse Korri ARISENA, Raden SUYARTO, Anak Agung Keswari KRISNANDIKA	721

Editor in Chief

Ramona PÎRVU

University of Craiova, Romania

Editorial Advisory Board

Omran Abdelnaser

University Sains Malaysia, Malaysia

Huong Ha

University of Newcastle, Singapore,
Australia

Harjeet Kaur

HELP University College, Malaysia

Janusz Grabara

Czestochowa University of Technology,
Poland

Vicky Katsoni

Techonological Educational Institute of
Athens, Greece

Sebastian Kot

Czestochowa University of Technology,
The Institute of Logistics and International
Management, Poland

Nodar Lekishvili

Tbilisi State University, Georgia

Andreea Marin-Pantelescu

Academy of Economic Studies Bucharest,
Romania

Piotr Misztal

The Jan Kochanowski University in
Kielce, Faculty of Management and
Administration, Poland

Agnieszka Mrozik

Faculty of Biology and Environmental
protection, University of Silesia, Katowice,
Poland

Chuen-Chee Pek

Nottingham University Business School,
Malaysia

Roberta De Santis

LUISS University, Italy

Fabio Gaetano Santeramo

University of Foggia, Italy

Dan Selişteanu

University of Craiova, Romania

Laura Ungureanu

Spiru Haret University, Romania

ASERS Publishing

<http://www.asers.eu/asers-publishing>

ISSN 2068 – 7729

Journal DOI: <https://doi.org/10.14505/jemt>

13	Management of the Competitiveness of the Region in the Context of Sustainable Development Based on the Concept of "Evidence-Based Policy" Dametken TUREKULOVA, Raushan DULAMBAYEVA, Lyazzat MUKHAMBETOVA, Mussa NIYAZOV, Aiboep ABZHAPPAROVA, Ainura OMAROVA	732
14	Developing a Conceptual Model to Implement the Employee Ecological Behavior in Organisations Juhari Noor FAEZAH, Mohd Yusoff YUSLIZA, Yusoff Noor AZLINA, Jumadil SAPUTRA, Wan Kassim WAN ZULKIFLI	746
15	Meta-Analysis ELECTRE III and AHP in Evaluating and Ranking the Urban Resilience Robert KOSOVA, Daniela Halidini QENDRAJ, Evgjeni XHAFAJ	756
16	Improving the Program-Targeted Management Methodology and Its Practical Application for the Sustained and Environment Development of Agro-Industrial Complex Olessya LEMECHSHENKO, Gulmira NAKIPOVA, Galymzhan AKHMET	769
17	Species Diversity of Mangroves in Central Zambales, Philippines Shirly C. SERRANO, Nipon TANGTHAM, Surat BUALERT, Suthee JANAYASUTHIWONG	782
18	Influence of Environmental Factors of Influence on the Volume of Financing in the Agro-Industrial Complex Zhibek OMARKHANOVA, Olessya MISNIK, Gaukhar MATAIBAYEVA, Guizhan MUKASHEVA, Gulden ZHOLDOYAKOVA, Shynar RAMAZANOVA	790
19	The Impact of the Comprehensive Ban Due to the COVID-19 on the Quality of Ambient Air in Jordan. Study for 15th March to 15th April of 2020 Period Tareq AL-BILLEH	802
20	Characteristics of Mangrove Fisheries in Essential Ecosystem Area Ujungpangkah, Indonesia Dhira K. SAPUTRA, Bambang SEMEDI, Ade YAMINDAGO, Citra S.U. DEWI, M.A. ASADI, Andik ISDIANTO, Dian ALIVIYANTI, R. D. KASITOWATI, Arief DARMAWAN, Arief SETYANTO, O.M. LUTHFI, Dwi C. PRATIWI, Sulastri ARSAD	812
21	The Crime of Water Assaulting Abdullah ALKHSEILAT, Majd ALMANASRA, Noor ALKHAWAJA	821
22	From Environmental Management Systems to Airport Environmental Performance: A Model Assessment Elen Paraskevi PARASCHI, Ioulia POULAKI, Athina PAPAGEORGIOU	831
23	Applying the Theory of Planned Behaviour to Tourism-Related Waste Behaviour in Marine Protected Areas: The Aliwal Shoal Case Study Carrigan HARPER, Claudine ROOS, Francois Pieter RETIEF, Reece Cronje ALBERTS, Dirk Petrus CILLIERS	853
24	Cimatario National Park, In Queretaro, Mexico: Towards Sustainable Tourism Ana-Karen HUERTA-MENDOZA, Laura FISCHER	877
25	Penta Helix's Perspective: The Green Tourism at the Tourist Village in Bali, Indonesia I Made Darma OKA, Dewa Made Suria ANTARA, Made RUKI, KANAH, Putu Widya DARMAYANTI	884
26	Destination Image, Tourist Satisfaction and Loyalty in the Eco-Tourism Environment Nur Aini Fitriya Ardiani ANIQOH, Nikous Soter SIHOMBING, Sarman SINAGA, Sahat SIMBOLON, Sunday Ade SITORUS	897

Call for Papers Fall Issues 2022 Journal of Environmental Management and Tourism

Journal of Environmental Management and Tourism is an interdisciplinary research journal, aimed to publish articles and original research papers that should contribute to the development of both experimental and theoretical nature in the field of Environmental Management and Tourism Sciences.

Journal will publish original research and seeks to cover a wide range of topics regarding environmental management and engineering, environmental management and health, environmental chemistry, environmental protection technologies (water, air, soil), pollution reduction at source and waste minimization, energy and environment, modeling, simulation and optimization for environmental protection; environmental biotechnology, environmental education and sustainable development, environmental strategies and policies, etc. This topic may include the fields indicated above, but are not limited to these.

Authors are encouraged to submit high quality, original works that discuss the latest developments in environmental management research and application with the certain scope to share experiences and research findings and to stimulate more ideas and useful insights regarding current best-practices and future directions in environmental management.

Journal of Environmental Management and Tourism is indexed in SCOPUS, RePEC, CEEOL, ProQuest, EBSCO and Cabell Directory databases.

All the papers will be first considered by the Editors for general relevance, originality and significance. If accepted for review, papers will then be subject to double blind peer review.

Deadline for submission:	31 th July 2022
Expected publication date:	September 2022
Website:	https://journals.aserspublishing.eu/jemt
E-mail:	jemt@aserspublishing.eu

To prepare your paper for submission, please see full author guidelines in the following file: [JEMT_Full_Paper_Template.docx](#), then send it via email at jemt@aserspublishing.eu.



DOI: [https://doi.org/10.14505/jemt.13.3\(59\).14](https://doi.org/10.14505/jemt.13.3(59).14)

Developing a Conceptual Model to Implement the Employee Ecological Behavior in Organisations

Juhari Noor FAEZAH
University of Malaysia Terengganu, Malaysia
faezahjuhari95@gmail.com

Mohd Yusoff YUSLIZA
University of Malaysia Terengganu, Malaysia
Corresponding author: yusliza@umt.edu.my

Yusoff Noor AZLINA
University of Sains Malaysia
nay@usm.my

Jumadil SAPUTRA
University of Malaysia Terengganu, Malaysia
jumadil.saputra@umt.edu.my

Wan Kassim WAN ZULKIFLI
University of Malaysia Terengganu, Malaysia
wanzul@umt.edu.my

Suggested Citation:

Faezah, J.N. *et al.* (2022). Developing a Conceptual Model to Implement the Employee Ecological Behavior in Organisations. *Journal of Environmental Management and Tourism*, (Volume XIII, Summer), 3(59): 746-755. DOI: [10.14505/jemt.v13.3\(59\).14](https://doi.org/10.14505/jemt.v13.3(59).14)

Article's History:

Received 16th of January 2022; Received in revised form 18th of February 2022. Accepted 8th of April 2022; Published 3rd of June 2022. Copyright © 2022 by ASERS® Publishing. All rights reserved.

Abstract:

Sustainability is a concern that has been discussed in many global conferences, mainly in the educational domain. Recently, the world has witnessed a growing interest among education organisations in adopting green practices and environmental management. In general, environmental sustainability at the organisation level is greatly dependent on individual-level ecological behaviour. Based on the social identity theory where the corporate strategy has a psychological influence on the behaviour of employees in an ecological context, the current study aims to analyse the effects of green human resource management (HRM) on the employee ecological behaviours (EEB), coupled with the mediating roles of psychological green climate and organisational identification, via the moderation effect of green consciousness. It is expected that the finding of this research will shed new insights into developing a comprehensive model for the assessment of EEB that can influence the environmental management (EM) initiatives being implemented in the organisations. The research output contributes to the enhancement of knowledge on employee behaviour from an ecological perspective in a workplace.

Keywords: employee ecological behaviour; academicians; sustainable development goals; social identity theory; environmental.

JEL Classification: D23; M14; M54; Q01.

Introduction

In 2015, a global sustainability effort known as Sustainable Development Goals (SDGs) was adopted to “end poverty in all its forms” by 2030, aiming to create a sustainable legacy for the next generations (Joseph *et al.* 2019; Leal Filho *et al.* 2019). SDGs aim to contribute to the economic enhancement and social and political change, thereby becoming an instrument to help develop and regenerate the economy (Rendtorff 2019). Under SDGs,

business corporations contribute to the political and environmental goals of the international community to develop an ethical economy (Rendtorff 2019). In addition, SDGs represent the world's ambitious and positive commitment to sustainability, which will ensure that a legacy is saved for the next generations (Leal Filho *et al.* 2019; Ab Rahman *et al.* 2018). Organisations' ecological surveillance is dependent on the extent of employees' awareness and their voluntary identification with organisations' environmental interventions (Muniandy *et al.* 2021; Biswas, Dey, Bhattacharjee and Uddin 2021).

For the past several years, higher education institutions have attempted to include environmental management and green practices as a crucial part of their services (Aboramadan 2020). However, the inclusion of environmental objectives into the institutions' strategies and policies will not guarantee the desired green behaviours and outcomes (Ababneh 2021). If the outcomes are achieved, institutions benefit from an environmental point of view. Still, they also save costs due to more efficient use of resources such as energy, making them green campuses that become more sustainable (Leal Filho *et al.* 2019). In the context of Malaysia, the interest in sustainable development has been growing gradually. Most higher education institutions in the country are still behind in implementing a policy on green practices for sustainability attainment, despite sustainability having been on their agenda since the 1992 Earth Summit in Rio (Jnr 2020).

According to Aboramadan (2020), the key to the effective implementation of green practices in the workplace is Employee Ecological Behaviour (EEB). Tariq *et al.* (2020) stated that EEB reflects how ready employees are to take specific actions to help protect the environment. In many jobs, employees may be required to behave in a "green" manner, including those in which employees must ensure that toxic waste is not dumped into the local water system or in which hazardous material is disposed of properly, in adherence to organisations' policies and government regulations (Dumont, Shen and Den 2017). These jobs clearly emphasise employees' social responsibility to the environment by protecting it (Saleem *et al.* 2020). Research literature highlighted numerous activities like printing on double sides of paper, switching off the lights on leaving the office, preferring reusable articles instead of disposables, using public transport instead of personal cars, preferring bicycles for traveling in the localities, assisting organizations in greening activities and taking measures for protecting natural environment etc. (Tariq, Yasir and Majid 2020; Dumont, Shen and Deng 2017).

To ensure that their daily operations do not greatly harm the environment, many institutions have shown the willingness to implement an environmental management system (EMS) or a set of green initiatives (Fawehinmi *et al.* 2020). In the context of higher education, the numerous studies have devoted to the experimental examination and theoretical and of ecological behaviour has been limited. Furthermore, most previous studies have failed to evaluate the significance of one factor in bringing about green behaviours. That factor is the green psychological climate, whose absence may make it challenging to promote pro-environmental behaviour (Yuriev *et al.* 2018; Zientara and Zamojska 2018; Farooq *et al.* 2021; Yusliza *et al.* 2021). Building on this gap, the current study puts forth an original EEB framework to examine the roles of green psychological climate and organisational identification in mediating the relationship between green HRM and EEB with green consciousness as the moderator. Several justifications are present in this study; Firstly, the findings of Chaudhary (2020) and Zhu *et al.* (2021) indicated that green HRM has a significant positive relationship with organisational identification, and so was the relationship between green HRM and green psychological climate (Dumont, Shen and Deng 2017; Chen *et al.* 2021; Naz *et al.* 2021). Therefore, the present study has tested these two factors—organisational identification and psychological climate—as mediators of EEB and green HRM relationships.

Also, organisational identification has been examined in terms of its role as a mediator in the relationship between perceived CSR and pro-environmental behaviour (Shah *et al.* 2021; Su and Swanson 2019), green HRM and voluntary green behaviour (Chaudhary 2020) and perceived job performance and pro-environmental behaviour (Peng, Lee and Lu 2020). In addition, the green psychological climate has been examined in terms of its role as a mediator in the relationship between green HR practices and pro-environmental behaviour (Naz *et al.* 2021), corporate environmental strategy and voluntary environmental behaviour (Biswas, Dey, Bhattacharjee and Uddin 2021; Das *et al.* 2019), ethical leadership and employee green behaviour (Saleem *et al.* 2020) and green HRM and extra-role green behaviour (Dumont, Shen and Deng 2017; Marditama *et al.* 2021). Naz *et al.* (2021) found that a green HR practices and pro-environmental behaviour relationships mediated by green psychological climate. However, the dimensions measured were green hiring, green training and involvement, and green performance management and compensation.

Besides that, the relationship between green HRM, organisational identification, green psychological climate, green consciousness and EEB were examined in different countries, including China (Dumont, Shen and Deng 2017; Naz *et al.* 2021; Su and Swanson 2018; Peng, Lee and Lu 2020; Tian and Robertson 2019, Australia (Norton *et al.* 2017), United Kingdom (Davis *et al.* 2020), India (Chaudhary 2020), Pakistan (Afsar, Cheema and

Javed 2018; Saeed *et al.* 2019), Bangladesh (Biswas *et al.* 2021; Das *et al.* 2019) and also Malaysia (Fawehinmi *et al.* 2020; Shah *et al.* 2021). Based on the literature review, a gap exists: empirical studies relating to green HRM, organisational identification, green psychological climate, green consciousness, and EEB are lacking. This study, therefore, will help higher education institutions effectively manage their employees to become greener and help policymakers improve environmental policies to be implemented in higher education institutions. However, in dealing with environmental issues, it is more appropriate to focus on promoting employees' voluntary actions and selfless efforts (Saleem *et al.* 2020). This fundamental study will emerge the context and a starting point for more investigations on EEB, which will significantly help all higher education institutions in Malaysia. Higher education institutions may refer to this study for ideas on adding various perspectives and arguments relating to environmental management when they are crafting future environmental policies.

1. Proposition Development

1.1 Underpinning Theory

The theoretical framework grounding the study is the social identity theory. The theory posits that individuals' thoughts and ideas are influenced by their society (AlSuwaidi, Eid and Agag 2021). Also, to a certain extent, the individuals' self-concept comprises a social identity that incorporates relevant group categorisations (Su and Swanson 2019). In the context of organisations, the social identity theory is substantiated by observing the behaviour of employees concerning organisations' corporate strategies (Biswas *et al.* 2021). Employees working in organisations that regard environmental conservation highly are more to be expected to psychologically integrate themselves with the overall corporate environmental strategies of the organisations (Das *et al.* 2019). In addition, as highlighted by Su and Swanson (2019), the social identity theory posits that people have an inward view of their private self-image and refer to actual or perceived group memberships to develop their self-concept. They will be environmentally responsible employees if they are working in green and environmentally responsible organisations (Sabokro, Masud and Kayedian 2021). Employees conclude the type of their workplace by observing the surrounding evidence (Rubel, Kee and Rimi 2021). Based on the theory, employees working in organisations that care about the environment will identify with the organisations' goals and engage in behaviours that help the organisations achieve the goals (Das *et al.* 2019).

EEB is one of the preventive behaviours; there are many ways to encourage personnel to perform such behaviours (Safari *et al.* 2018). An organization's competitive advantage comes from its environmental consciousness and green practises (Fawehinmi *et al.* 2020). For example, the presence of prominent recycling bins in the corporate restaurant or coworkers driving hybrid or electric vehicles might draw people's attention to the environmental repercussions of their choices, increasing the possibility that they will make decisions based on these consequences (Ruepert *et al.* 2016). According to Bohlmann *et al.* (2018), another important part of becoming an environmentally responsible organisation is fostering environmentally friendly behaviour of employees. Fawehinmi *et al.* (2020) described that organisation encourage EEB to assist an organisation in successfully implementing an EMS and improving the organisation's environmental performance.

Without knowing the importance of EEB, organisations may risk an under-or overemphasis on EEB in reaching their performance goals (Bohlmann, van den Bosch and Zacher 2018). By showing EEB, employees can underscore the organisation's value of being environmentally responsible (Bohlmann, van den Bosch and Zacher 2018). When an organisation's primary goal is profit maximisation, personnel may lack a significant focus and consideration of the environmental effects of their actions, which is likely to limit pro-environmental work (Ruepert *et al.* 2016). Research on EEB has flourished in the past years, with studies carried out in diverse industries such as the automobile industry (Davis *et al.* 2021), tourism and hospitality (Peng, Lee and Lu 2020; Okumus *et al.* 2019), banking sector (Iqbal *et al.* 2018). Nevertheless, research on EEB in higher education is limited (Fawehinmi *et al.* 2020). Hence, the first contribution of this study is to analyse the simultaneous impact of green HRM on EEB concerning the roles of organisation identification and green psychological climate as the mediator variables via moderating effects of green consciousness.

1.2 Green HRM and Organizational Identification

Several authors have discussed the importance of organisational identification. Su and Swanson (2019) stated that people tend to identify with organisations as a way for them to fulfil their need to belong. To a certain extent, to establish this identification, employees are willing to perform their tasks as per the organisation's way, including in an environmentally friendly way (Zhu *et al.* 2021). When employees identify with organisations, they will engage in behaviours that contribute to their organisations achieving the targeted goals (Afsar, Cheema and Javed 2018). Chaudhary (2020) stated that employees associate with organisations because they feel it is emotionally gratifying

to be able to do so. When employees experience a high level of organisational identification, they embrace and then internalise organisations' values and goals (Afsar, Cheema and Javed 2018). In addition, Chaudhary (2020) also found that employees identify with their organisations because they enjoy the satisfaction of being a part of the organisations. It will motivate them to work on achieving the organisations' sustainable goals by voluntarily participating in green behaviour. In other words, when employees identify with the organisations, they tend to have a greater attachment to environmental issues, which will likely encourage them to adopt pro-environmental behaviour (Afsar, Cheema and Javed 2018). Employees' organisational identification will be enhanced when employees develop their skills and become more involved in green activities, which will make them appreciate their work more (Chaudhary 2020).

Numerous research showed green HRM has a positive relationship with organisational identification (Chaudhary 2020; Zhu *et al.* 2021).

Aboramadan (2020) study showed that organisational identification served as a significant predictor of green HRM. In agreement with the literature, the view taken in the present study is that human resource management plays an important role in enhancing environmental performance (Naz *et al.* 2021). When organisations adopt green HRM to achieve environmental sustainability, their external image as good corporate citizens will be enhanced (Chaudhary 2020). According to Sabokro *et al.* (2021), green HRM can predict organisations' environmental performance. The internal and external supply chain will be impacted if organisations go green. When organisations' prestige and reputation are enhanced, employees' self-concept and self-esteem will also increase and their organisational identification (Chaudhary 2020). For the current study, it is posited that green HRM will cause organisational identification of employees, which will subsequently cause their green performance behaviours to improve (Chaudhary 2020). The first proposition, therefore, is as follows:

Proposition 1: Green HRM influences organisational identification

1.3 Green HRM and Green Psychological Climate

EEB are influenced by their perception of organisations' interest in environmental management and co-workers' values regarding the environment (Rubel, Kee and Rimi 2021). If organisations adopt eco-friendly practices, employees may be willing to adopt EEB (Naz *et al.* 2021). They will support the organisations' goals and abide by the strategies (Das *et al.* 2019). According to Dumont *et al.* (2017), employees will undergo a cognitive process to determine if organisations' green psychological climates exist. Employees make such decisions based on their social interactions with other employees in the workplace and on the organisations' policies, procedures, and practices (Saleem *et al.* 2020). Sabokro *et al.* (2021) stated that green psychological climate, which is employees' perception of organisations' efforts to improve environmental sustainability, may be influenced by green HRM.

The influence of green HRM on green psychological climate has been studied by many researchers (Dumont *et al.* 2017; Chen *et al.* 2021; Naz *et al.* 2021; Rubel *et al.* 2021; Sabokro, Masud and Kayedian 2021).

As these researchers have concluded, green HRM practices help create green psychological climate perceptions in employees, which leads employees to adopt green behaviour in the workplace (Dumont *et al.* 2017). Naz *et al.* (2021) found that organisations' green HRM practices lead to better environmental performance. A set of green HRM practices and policies indicates the organisations' seriousness in going green, which likely leads to employees helping the organisations implement their green policies successfully (Dumont *et al.* 2017). In other words, green HRM practices play an important role in encouraging employees to form a positive green psychological climate (Naz *et al.* 2021). When some employees believe that a green climate is present in organisations, they will adopt green behaviour, and the behaviour will influence other co-workers. All employees in the organisations embrace green attitudes (Rubel, Kee and Rimi 2021). It shows that organisations' policies can motivate employees to perform green behaviour (Saleem *et al.* 2020). This ecological behaviour includes reprocessing and reutilising things instead of throwing them away (Naz *et al.* 2021). The second proposition, therefore, is as follows:

Proposition 2: Green HRM influences green psychological climate

1.4 Organizational Identification and Employee Ecological Behaviour

According to social identity theory, a person wishes to have a positive personal identity, and the way to achieve this wish is by achieving a positive social identity first (Liu, Loi and Lam 2011). Su and Swanson (2019) stated when a person identifies with something, he/she integrates several traits of that something to be a part of his/her sense of identity. Furthermore, as Cheema *et al.* (2020) highlighted when employees adopt behaviours expected by organisations, the behaviours eventually become part of the employees' self-concept. When an employee switches off the light, for example, that behaviour goes beyond satisfying personal interests to represent the employee's

effort to conserve energy for the benefits of the organisation, the community, and the planet (Afsar, Cheema and Javed 2018). Academic research further suggests that when employees identify with their organisations, there is a great chance to internalise the organisations' socially and environmentally responsible values, beliefs, and goals, leading them to adopt appropriate behaviours, including voluntary pro-environmental behaviour (Tian and Robertson 2019).

Previous studies have empirically tested and supported the positive influence of organisational identification and ecological behaviour (Chaudhary 2020; Su and Swanson 2019; Peng, Lee and Lu 2020; Tian and Robertson 2019; Afsar, Cheema and Javed 2018). In addition, Tian and Robertson (2019) establish a connection between organisational identification and ecological behaviour. They reported that employees are more expected to engage in pro-environmental behaviours consistent with organisations' values, beliefs, and goals when they can internalise these environmentally responsible values, beliefs, and goals. Likewise, Su and Swanson (2019) stated that employees would perform according to the organisations' goals and values when they identify with the organisations. Therefore, it suggested that organisation identification plays a role in increasing employees' ecological behaviours. Employees who identify with organisations will attempt to engage in behaviours that help organisations attain their collective goals (Peng, Lee and Lu 2020; Afsar, Cheema and Javed 2018). The third proposition is as follows:

Proposition 3: Organisational identification influences employee ecological behaviour

1.5 Green Psychological Climate and Employee Ecological Behaviour

According to Bhutto *et al.* (2021), a green psychological climate represents the extent of organisational focus on their activities' environmental and ecological outcomes. When employees work in a green work climate, presumably, they are more to be expected to display task-specific and voluntary pro-environmental behaviours (Rubel, Kee and Rimi 2021). Similarly, employees are more probable to participate in working development of green product when they pay attention to environmental issues in the organisations (Zhou *et al.* 2018). Employees may establish their green psychological climate differently, with some looking at organisations' green initiatives and outcomes and others at organisations' waste and water recycling and energy-saving efforts (Tahir, Athar and Afzal 2020). Employees realise they are expected to engage in environmentally friendly behaviour when their organisations place the environment and its protection as the main element in their overall strategy and follow that by acting environmentally friendly (Saeed *et al.* 2019). As such, when organisations offer corporate and psychological support for pro-environmental behaviour, employees are motivated to change their attitude and become more pro-environmental (Biswas *et al.* 2021).

The existing literature shows that a green psychological climate positively impacts employee ecological behaviour (Biswas *et al.* 2021; Dumont, Shen and Deng 2017; Saleem *et al.* 2020; Naz *et al.* 2021; Rubel, Kee and Rimi 2021; Das *et al.* 2019). Additionally, Norton *et al.* (2017) stated that employees with high intentions to adopt green behaviour and those with a more positive green psychological climate. They have higher intentions to implement and then engage in EEB on a bigger scale than employees who have a less positive green psychological climate. It was also found that organisations that create a strong psychological climate indicate to their employees that green behaviours are safe. It convinces the employees to involve themselves in green view and work behaviours as in-role behaviours (Zhou *et al.* 2018). The current study examines how and when a green psychological climate promotes employee workplace green behaviour. Thus, the fourth proposition is as follows:

Proposition 4: Green psychological climate influences employee ecological behaviour

1.6 Mediating Effect of Organizational Identification

According to Teng *et al.* (2020), employees may have a cognitive attachment to organisations they work in, a circumstance known as organisational identification. It is explained by the social identity theory, which posits that individuals will identify with groups that let them perceive their identity uniquely and favourably (Teng *et al.* (2020). Employees identifying with organisations will seek responses from other employees in the same workplace to confirm such identity (Liu, Loi and Lam 2011). Cheema *et al.* (2021) stated that when employees identify with organisations, they will voluntarily consider adopting behaviours espoused by the organisations. However, it is not explicitly stated in their job descriptions. Afsar *et al.* (2018) agreed, stating that when employees identify strongly with their organisations, they will accept that organisational goals supersede their individual goals or that organisations' goals are highly compatible. As members of the organisations they identify with, employees are more probable to comply with organisational requirements and act in their best interests (Liu, Loi and Lam 2011).

Recently, Peng *et al.* (2020) found that employees who identify with their organisations tend to adopt a pro-environmental behaviour espoused by the organisations because of perceived compatibility between their goals and organisations' goals. Several researchers have suggested further studies to explore the role of organisational identification as a mediator (Aboramadan 2020; AlSuwaidi, Eid and Agag 2021). In addition, as stated by Liu *et al.* (2011), employees who identify with the organisations at a high level hold that their organisational membership is very important. When this belief is formed, employees will behave in such ways that will benefit the organisations believing firmly that doing so will also benefit them (Su and Swanson 2019), thus giving them the intrinsic motivation to adopt ecological behaviour (Peng *et al.* 2020). Hence, it can be suggested that organisational identification will encourage employees to contribute positively to conserving the environment. Thus, the following proposition is put forth:

Proposition 5: Organisational identification mediates the relationship between green HRM and employee ecological behaviour

1.7 Mediating Effect of Green Psychological Climate

In the organisational behaviour field of study, organizations' psychological climate influences employees' attitudes and behaviours (Saeed *et al.* 2019). In the workplace, employees undergo a cognitive process, where they form their perceptions of the organisations' psychological climate (Saeed *et al.* 2019; Nisar *et al.* 2021). Recently, Nisar *et al.* (2021) stated that employees attempt to understand organisations' pro-environment strategies, procedures, and activities, those representing organisations' green values, before forming their perceptions of organisations' green psychological climate. It is echoed by Bhutto *et al.* (2021), stating that employees develop their perception of their organisations' willingness to support environmental causes, protect the environment, and behave in an environmentally friendly way. Saeed *et al.* (2019) suggest that when employees positively perceive organisations' green psychological climate, they may feel that engaging in ecological behaviours will be effective and appropriate. As also concluded from another study when employees experience a positive green psychological climate, they feel more encouraged to abide by organisations' environmental sustainability regulations and recommendations, leading to their exhibiting a higher level of ecological behaviour (Sabokro, Masud and Kayedian 2021)

The mediating role of green psychological climate in the relationship between green HRM and employee ecological behaviour has been studied by several researchers (Rubel, Kee and Rimi 2021; Tian and Robertson 2019; Al-Ghazali and Afsar 2021; Rehman *et al.* 2021). Saeed *et al.* (2019) reported that green psychological climate, employees' perception that their organisations are environmentally friendly, influenced employees to behave in environmentally responsible ways. In addition, Saleem *et al.* (2020) found that when employees positively perceive the green psychological climate, they hold firmly that the organisations espouse ecological behaviour among employees, leading them to display these ecological behaviours. Employees perceive organisations as environmentally friendly when implementing green HRM practices and procedures. A positive green psychological climate that emerges influences employees to contribute to protecting the environment (Saeed *et al.* 2019). The proposition is, therefore, as follows:

Proposition 6: Green psychological climate mediates the relationship between green HRM and employee ecological behaviour

1.8 Green Consciousness and Employee Ecological Behaviour

People have a mental behaviour that reflects their recognition and judgement of the environment and their willingness to engage in environmentally friendly behaviour, known as green consciousness (Zheng 2010). According to Yusliza *et al.* (2020), green consciousness refers to the process of people connecting to their surroundings and nature preservation. Green consciousness is much related to value. In sociology, value is considered a continuous target under normal conditions. The individual value is more difficult to alter and steadier than an attitude, inclinations towards positive and negative responses to incidents, characters, or objects, under certain conditions (Chen and Hung 2016). Green consciousness encompasses people's perception and knowledge of environmental issues and the behaviour that people engage in due to having the perception (Lin and Niu 2018). Green consciousness is about connecting human beings, nature, and the environment (Chen and Hung 2016). Recently, as it relates to green consciousness, Yusliza *et al.* (2020) discovered that the factor of green consciousness has a positive effect on Malaysian students' ecological behaviour.

It has been implied during early studies that green consciousness relates to people's subjective cognition, perception, and value judgment on the state of the environment in the past and present (Zheng 2010). Green consciousness relates to knowledge and attitudes and encompasses how individuals behave in concrete situations

(Chen and Hung 2016). Therefore, green consciousness needs to be enhanced (Lin and Niu 2018). Cheema *et al.* (2020) reported their findings from a study in Pakistan that employees' green consciousness is higher when their values are naturally pro-environmental. Yusliza *et al.* (2020) found that environmental consciousness influenced employees' ecological behaviour. Green consciousness is needed to initiate an environmental movement and decide its direction (Chen and Hung 2016). According to existing research results, students became conscious and aware of environmental issues after participating in environmental activities, undergoing lifelong learning experiences, and obtaining knowledge, which has allowed them to predict the types of risks from environmental issues created by human activities Yusliza *et al.* (2020). Hence, the following proposition is put forth:

Proposition 7: Green consciousness influences employee ecological behaviour

1.9 Moderating Role of Green Consciousness

Employees' green consciousness can be considered an important factor was motivating them to adopt ecological behaviour (Cheema, Afsar and Javed 2020).

Therefore, environmental consciousness becomes one of the primary considerations in green HRM when conducting HR activities, such as hiring and performance appraisals (Rubel, Kee and Rimi 2021). The underlying factor behind people's environmental consciousness is the belief that the natural environment is experiencing a series of problems due to humans' actions (Cheema, Afsar and Javed 2020). Further studies exploring the moderating role of green consciousness have been suggested by researchers (Saeed, *et al.* 2018, Cheema, Afsar and Javed 2020; Rehman *et al.* 2021). In addition, Zheng (2010) notes that green consciousness in people motivates them to engage in pro-environmental behaviour in their daily lives. At work, employees attempt to transform these values into behaviours that complement each other (Cheema, Afsar and Javed 2020). When that happens, it can be suggested that ecological behaviour can be improved when organisations involve their employees' inappropriate activities by forming an HRM green policy (Rubel, Kee and Rimi 2021). The propositions, therefore, as follows:

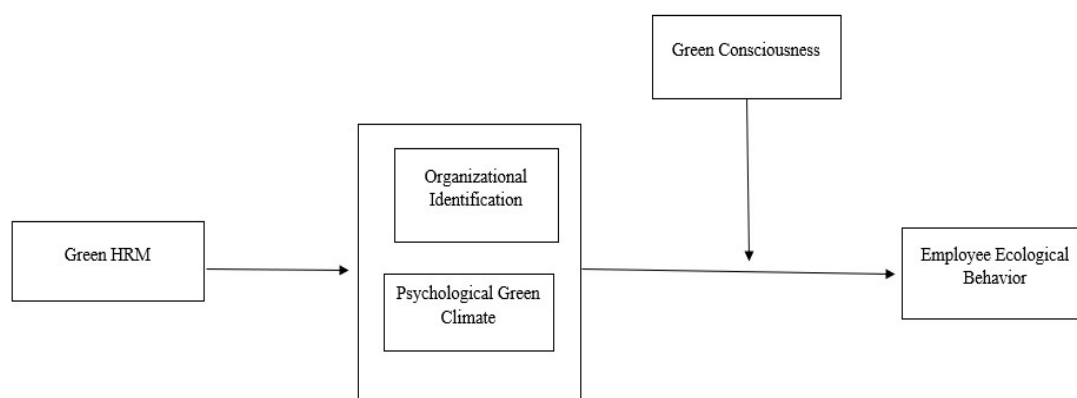
Proposition 8: Green consciousness moderates the relationship between organisation identification and employee ecological behaviour

Proposition 9: Green consciousness moderates the relationship between green psychological climate and employee ecological behaviour.

2. Proposed Framework for Employee Ecological Behaviour

With the social identity theory as its underlying support, the proposed study maintains that green HRM influences EEB. A conceptual framework has been developed, as shown in Figure 1, that highlights the relationships between the green HRM and EEB, with green psychological climate and organisational identification acting as mediators and green consciousness as a moderator.

Figure 1. A Proposed Conceptual Model of EEB in Organisations



Conclusion

Employee Ecological Behaviour is an essential factor that determines the success of organisations in achieving environmental sustainability. In this proposed study, the impact of green HRM practices on EEB is to be investigated, with organisational identification and green psychological climate providing the mediating effects and green consciousness providing the moderation effect. Empirical testing for developing the EEB model in

organisations may provide interesting results. The current work draws on the influence of green HRM practices on the EEB with the mediating roles of psychological green climate and organisational identification, via the moderation effect of green consciousness. This study also emphasises on the importance of EEB on the success of organisation's green HRM. For future works, it is suggested to be considered to conduct a further study on this topic and test this model empirically. This paper shed new insights on some important implications for organisations. Firstly, since this paper highlight several importance of EEB in determining the success of green practices in an organisation and improving organisation's environmental performance, this will help policy makers in developing better strategies and policies. Secondly, management must ensure that the successful implementation of EEB stimulates employees' identification and psychological green climate. Therefore, management needs to encourage the effort toward realising the organisations' sustainable objectives. When employees receive recognition or incentives for their ecological efforts in the workplace, it is possible that this will promote ecological behaviour outside the workplace as well. Next, it is vital that they attempt to gain a deeper understanding of the role the organisations creating sustainable development through their impact on stakeholders. More importantly, the management must ensure that these stakeholders understand the organisations' roles in contributing to sustainable development. In addition, organisations recognising employees for their ecological efforts in the workplace is likely to encourage them to engage in ecological behaviour beyond the workplace.

Acknowledgements

This work was supported by the Fundamental Research Grant Scheme (FRGS) from Ministry of Higher Education, Malaysia (FRGS/1/2019/SS03/UMT/02/3).

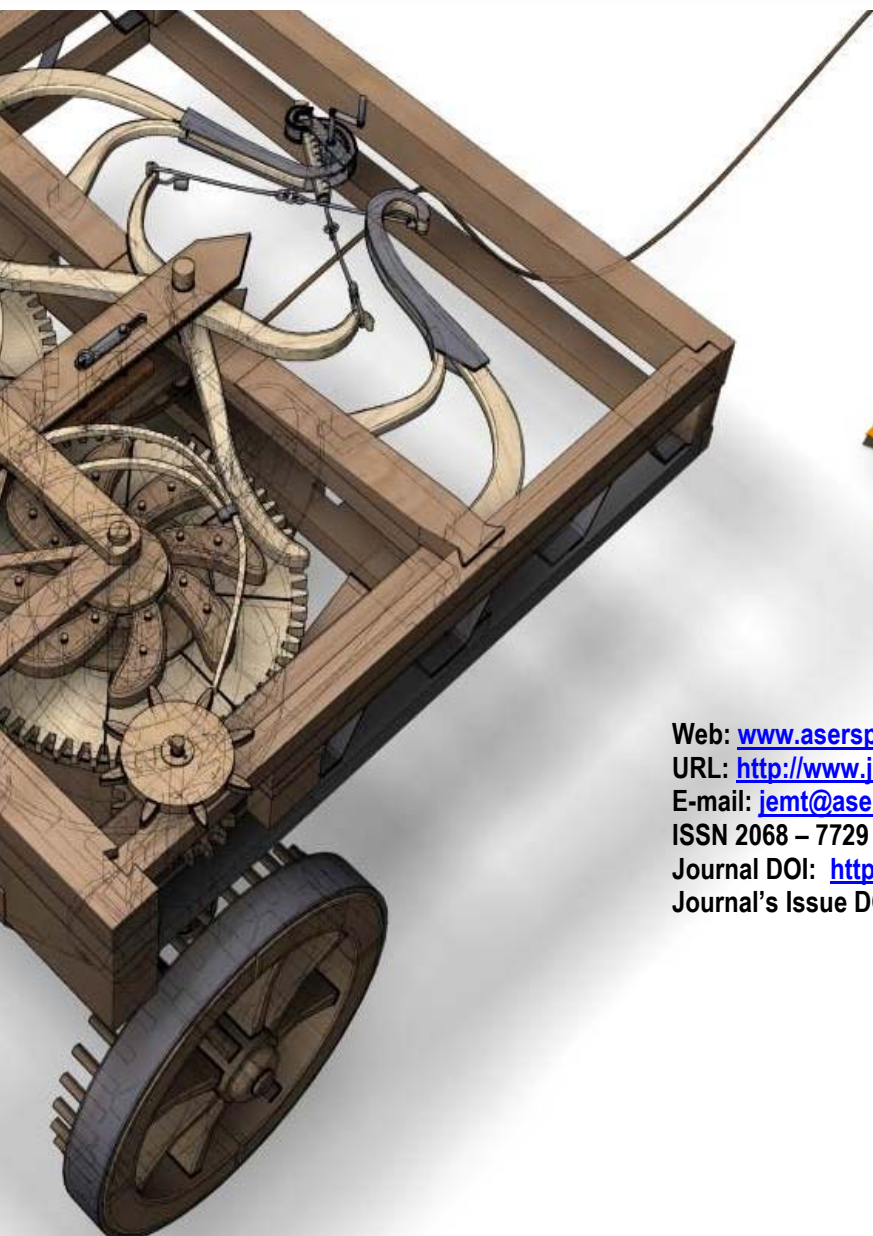
References

- [1] Ab Rahman, A. H., *et al.* 2018. Sustainable development from islamic perspective. *Int. J. Civ. Eng. Technol.*, 9(4): 985–992.
- [2] Ababneh, O. M. A. 2021. How do green HRM practices affect employees' green behaviors? The role of employee engagement and personality attributes. *J. Environ. Plan. Manag.*, 64(7): 1204–1226.
- [3] Aboramadan, M. 2020. The effect of green HRM on employee green behaviors in higher education: the mediating mechanism of green work engagement. *Int. J. Organ. Anal.*, 30(1): 7–23. DOI: [10.1108/IJOA-05-2020-2190](https://doi.org/10.1108/IJOA-05-2020-2190)
- [4] Afsar, B., Cheema, S., and Javed, F. 2018. Activating employee's pro-environmental behaviors: The role of CSR, organisational identification, and environmentally specific servant leadership. *Corp. Soc. Responsib. Environ. Manag.*, 25(5): 904–911. DOI: <https://doi.org/10.1002/csr.1506>
- [5] Al-Ghazali, B. M., and Afsar, B. 2021. Retracted: Green human resource management and employees' green creativity: The roles of green behavioral intention and individual green values. *Corp. Soc. Responsib. Environ. Manag.*, 28(1): 536.
- [6] AlSuwaidi, M., Eid, R., and Agag, G. 2021. Understanding the link between CSR and employee green behaviour," *J. Hosp. Tour. Manag.*, 46(December 2020): 50–61, 2021. DOI: [10.1016/j.jhtm.2020.11.008](https://doi.org/10.1016/j.jhtm.2020.11.008)
- [7] Bhutto, T. A., *et al.* 2021. Green inclusive leadership and green creativity in the tourism and hospitality sector: serial mediation of green psychological climate and work engagement. *J. Sustain. Tour.*, 29(10): 1716–1737.
- [8] Biswas, S. R., Dey, M., Bhattacharjee, S., and Uddin, M. A. 2021. How does corporate environmental strategy contribute to voluntary environmental behavior? Influence of psychological green climate, firms' size, and employees' age. *SAGE Open*, 11(1): 21582440211006056.
- [9] Bohlmann, C., van den Bosch, J., and Zacher, H. 2018. The relative importance of employee green behavior for overall job performance ratings: A policy-capturing study. *Corp. Soc. Responsib. Environ. Manag.*, 25(5): 1002–1008.
- [10] Teng, C. H. *et al.* 2020. Ethical work climate, organizational identification, leader-member-exchange (LMX) and organizational citizenship behavior (OCB): A study of three star hotels in Taiwan. *Int. J. Contemp. Hosp. Manag.*, 32(1): 212–229.
- [11] Chaudhary, R. 2020. Green human resource management and employee green behavior: An empirical analysis. *Corp. Soc. Responsib. Environ. Manag.*, 27(2): 630–641.
- [12] Cheema, S., Afsar, B. and Javed, F. 2020. Employees' corporate social responsibility perceptions and organizational citizenship behaviors for the environment: The mediating roles of organizational identification and environmental orientation fit. *Corp. Soc. Responsib. Environ. Manag.*, 27(1): 9–21.

- [13] Chen, S. C., and Hung, C. W. 2016. Technological forecasting & social change elucidating the factors influencing the acceptance of green products: An extension of theory of planned behavior. *Technol. Forecast. Soc. Chang*, 112: 155–163.
- [14] Chen, S., Jiang, W., Li, X., and Gao, H. 2021. Effect of employees' perceived green HRM on their workplace green behaviors in oil and mining industries: Based on cognitive-affective system theory. *Int. J. Environ. Res. Public Health*, 18(8): 4056.
- [15] Das, A. K., et al. 2019. Corporate environmental strategy and voluntary environmental behavior—Mediating effect of psychological green climate. *Sustainability*, 11(11): 3123.
- [16] Davis, M. C., Unsworth, K. L., Russell, S. V., and Galvan, J. J. 2020. Can green behaviors really be increased for all employees? Trade-offs for 'deep greens' in a goal-oriented green human resource management intervention. *Bus. Strateg. Environ.*, 29(2): 335–346.
- [17] Dumont, J., Shen, J., and Deng, X. 2017. Effects of green HRM practices on employee workplace green behavior: The role of psychological green climate and employee green values. *Hum. Resour. Manage.*, 56(4): 613–627. DOI: <https://doi.org/10.1002/hrm>
- [18] Farooq, K., et al. 2021. Exploring challenges and solutions in performing employee ecological behaviour for a sustainable workplace. *Sustainability*, 13(17): 9665.
- [19] Fawehinmi, O., et al. 2020. Assessing the green behaviour of academics: The role of green human resource management and environmental knowledge. *Int. J. Manpow.*, 41(7): 879–900.
- [20] Iqbal, Q., Hassan, S. H., Akhtar, S., and Khan, S. 2018. Employee's green behavior for environmental sustainability: A case of banking sector in Pakistan. *World J. Sci. Technol. Sustain. Dev.*, 15(2): 118–130.
- [21] Jnr, B.A. 2020. Green campus paradigms for sustainability attainment in higher education institutions—a comparative study. *J. Sci. Technol. Policy Manag.*, 12(1): 117–148.
- [22] Joseph, C., et al. 2019. Realising sustainable development goals via online integrity framework disclosure: Evidence from Malaysian and Indonesian local authorities. *J. Clean. Prod.*, 215: 112–122.
- [23] Leal Filho, W., et al. 2019. Sustainable Development Goals and sustainability teaching at universities: Falling behind or getting ahead of the pack? *J. Clean. Prod.*, 232: 285–294.
- [24] Lin, S. T., and Niu, H. J. 2018. Green consumption: Environmental knowledge, environmental consciousness, social norms, and purchasing behavior. *Bus. Strateg. Environ.*, 27(8): 1679–1688.
- [25] Liu, Y., Loi, R., and Lam, L. W. 2011. Linking organizational identification and employee performance in teams: The moderating role of team-member exchange. *Int. J. Hum. Resour. Manag.*, 22(15): 3187–3201.
- [26] Marditama, T., et al. 2021. Green Human Resource Management and Sustainable Organization Literature: A Mini-Review Approach," in *11th Annual International Conference on Industrial Engineering and Operations Management*, pp. 3964–3979.
- [27] Muniandy, G., et al. 2021. Determinants of Sustainable Waste Management Behavior of Malaysian Academics. *Sustainability*, 13(8): 4424.
- [28] Naz, S., Jamshed, S., Nisar, Q. A., and Nasir, N. 2021. Green HRM , psychological green climate and pro-environmental behaviors : An efficacious drive towards environmental performance in China. *Curr. Psychol.*, pp. 1–16. DOI: <https://doi.org/10.1007/s12144-021-01412-4>
- [29] Nisar, S., Khan, N. R., and Khan, M. R. 2021. Determinant analysis of employee attitudes toward pro-environmental behavior in textile firms of Pakistan: a serial mediation approach. *Manag. Environ. Qual. An Int. J.*, 32(5): 1064–1094.
- [30] Norton, T. A., Zacher, H., Parker, S. L., and Ashkanasy, N. M. 2017. Bridging the gap between green behavioral intentions and employee green behavior: The role of green psychological climate. *J. Organ. Behav.*, 38(7): 996–1015. DOI: [10.1002/job.2178](https://doi.org/10.1002/job.2178)
- [31] Okumus, F., et al. 2019. How do hotel employees' environmental attitudes and intentions to implement green practices relate to their ecological behavior? *J. Hosp. Tour. Manag.*, 39(May): 193–200. DOI:[10.1016/j.jhtm.2019.04.008](https://doi.org/10.1016/j.jhtm.2019.04.008)
- [32] Peng, X., Lee, S., and Lu, Z. 2020. Employees' perceived job performance, organizational identification, and pro-environmental behaviors in the hotel industry. *Int. J. Hosp. Manag.*, 90(July): 102632. DOI:[10.1016/j.ijhm.2020.102632](https://doi.org/10.1016/j.ijhm.2020.102632)

- [33] Rehman, A., *et al.* 2021. Adoption of green banking practices and environmental performance in Pakistan: A demonstration of structural equation modelling. *Environ. Dev. Sustain.*, 23(9): 13200–13220.
- [34] Rendtorff, J.D. 2019. Sustainable development goals and progressive business models for economic transformation. *Local Econ.*, 34(6): 510–524.
- [35] Rubel, M. R. B., Kee, D. M. H., and Rimi, N. N. 2021. The influence of green HRM practices on green service behaviors: the mediating effect of green knowledge sharing. *Empl. Relations*. DOI: [10.1108/ER-04-2020-0163](https://doi.org/10.1108/ER-04-2020-0163)
- [36] Ruepert, A., *et al.* 2016. Environmental considerations in the organizational context: A pathway to pro-environmental behaviour at work. *Energy Res. Soc. Sci.*, 17: 59–70. DOI: [10.1016/j.erss.2016.04.004](https://doi.org/10.1016/j.erss.2016.04.004)
- [37] Sabokro, M., Masud, M. M., and Kayedian, A. 2021. The effect of green human resources management on corporate social responsibility, green psychological climate and employees' green behavior. *J. Clean. Prod.*, 313 (November 2020): 127963. DOI: [10.1016/j.jclepro.2021.127963](https://doi.org/10.1016/j.jclepro.2021.127963)
- [38] Saeed, B. B., *et al.* 2019. Promoting employee's proenvironmental behavior through green human resource management practices. *Corp. Soc. Responsib. Environ. Manag.*, 26(2): 424–438. DOI: [10.1002/csr.1694](https://doi.org/10.1002/csr.1694)
- [39] Safari, A., Salehzadeh, R., Panahi, R., and Abolghasemian, S. 2018. Multiple pathways linking environmental knowledge and awareness to employees' green behavior. *Corp. Gov.*, 18(1): 81–103. DOI: [10.1108/CG-08-2016-0168](https://doi.org/10.1108/CG-08-2016-0168)
- [40] Saleem, M., *et al.* 2020. Ethical leadership and employee green behavior: A multilevel moderated mediation analysis. *Sustainability*, 12(8): 3314. DOI: <https://doi.org/10.3390/SU12083314>
- [41] Shah, S. M. M., Ahmed, U., Ismail, A. I., and Mozammel, S. 2021. Going intellectually green: Exploring the nexus between green intellectual capital, environmental responsibility, and environmental concern towards environmental performance. *Sustainability*, 13(11): 6257.
- [42] Su, L., and Swanson, S. R. 2019. Perceived corporate social responsibility's impact on the well-being and supportive green behaviors of hotel employees: The mediating role of the employee-corporate relationship. *Tour. Manag.*, 72(November 2018): 437–450. DOI: [10.1016/j.tourman.2019.01.009](https://doi.org/10.1016/j.tourman.2019.01.009)
- [43] Tahir, R., Athar, M. R., and Afzal, A. 2020. The impact of greenwashing practices on green employee behaviour: Mediating role of employee value orientation and green psychological climate. *Cogent Bus. Manag.*, 7(1): 1781996.
- [44] Tariq, M., Yasir, M., and Majid, A. 2020. Promoting employees' environmental performance in hospitality industry through environmental attitude and ecological behavior: Moderating role of managers' environmental commitment. *Corp. Soc. Responsib. Environ. Manag.*, 27(6): 3006–3017. DOI: [10.1002/csr.2019](https://doi.org/10.1002/csr.2019)
- [45] Tian, Q., and Robertson, J. L. 2019. How and when does perceived CSR affect employees' engagement in voluntary pro-environmental behavior? *J. Bus. Ethics*, 155(2): 399–412.
- [46] Yuriev, A., Boiral, O., Francoeur, V., and Paillé, P. 2018. Overcoming the barriers to pro-environmental behaviors in the workplace: A systematic review. *J. Clean. Prod.*, 182: 379–394.
- [47] Yusliza, M. Y., *et al.* 2020. An investigation of pro-environmental behaviour and sustainable development in Malaysia. *Sustain.*, 12(17): 1–21. DOI: [10.3390/su12177083](https://doi.org/10.3390/su12177083)
- [48] Yusliza, M. Y., *et al.* 2021. Perceived green human resource management among employees in manufacturing firms. *Polish J. Manag. Stud.*, 23.
- [49] Zheng, Y. 2010. Association analysis on pro-environmental behaviors and environmental consciousness in main cities of East Asia. *Behaviormetrika*, 37(1): 55–69.
- [50] Zhou, S., Zhang, D., Lyu, C., and Zhang, H. 2018. Does seeing 'mind acts upon mind' affect green psychological climate and green product development performance? The role of matching between green transformational leadership and individual green values. *Sustainability*, 10(9): 3206.
- [51] Zhu, J., Tang, W., Wang, H., and Chen, Y. 2021. The influence of green human resource management on employee green behavior—a study on the mediating effect of environmental belief and green organizational identity. *Sustainability*, 13(8): 4544.
- [52] Zientara, P., and Zamojska, A. 2018. Green organizational climates and employee pro-environmental behaviour in the hotel industry. *J. Sustain. Tour.*, 26(7): 1142–1159.

ASERS



The logo for ASERS Publishing, featuring the word "ASERS" in a bold, orange, sans-serif font with a stylized fan-like graphic to the left, and the word "Publishing" in a smaller, orange, sans-serif font below it.

Web: www.aserspublishing.eu

URL: <http://www.journals.aserspublishing.eu/jemt>

E-mail: jemt@aserspublishing.eu

ISSN 2068 – 7729

Journal DOI: <https://doi.org/10.14505/jemt>

Journal's Issue DOI: [https://doi.org/10.14505/jemt.v13.3\(59\).00](https://doi.org/10.14505/jemt.v13.3(59).00)