# Green Human Resource Management: A Review on its Development and Contribution towards Global Attainment of Sustainable Development

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## Abstract

The paper focuses on the significant work done using Green Human Resource Management research in several sectors worldwide grounded upon ongoing literature. It illustrates on the chronological development of Green Human Resource Management highlighting research works published since 2.5 decades. It reveals about the research focused on Green Human Resource Management practices such as Green Job design & Analysis, Green Recruitment and Selection, Green Training and Development, Green Induction, Green Performance management, Green Rewards and Compensation and Green Employee Relation. The review critically discusses on the global scenario relating the up gradation of Green Human Resource Management practices thereby creating great impact over the performance of the system as well as surrounding in associations with firms. However, this is the first paper that depicts the consequences of Green human resource management practices on its environmental performance in India together with its application through state-wise geographical distribution among different sectors too. The present review also throws light emphasizing the espousal of Green Human Resource Management practices and its societal influences during the pandemic COVID19. Last but not the least; the paper contributes towards encompassing the extent and depth of Green Human Resource Management towards the emergence of eco-sustainability.

**Keywords:** Environmental management; Environmental performance; Green Human Resource Management; India; Sector; Sustainable environment

## Introduction

Rapid destruction of natural resources being witnessed over the past few decades of this century, a need for the realistic Environmental Management (EM) has been triggered globally. Eco-sustainability has emerged to be the key target of management executives through greening of organizations in the 21st century. Several researchers are trying to deal this issue scientifically through the application of advance technologies in the present situation (Basak, et al., 2020). However conjugating technology with green management can be assigned as a boon for the environment of the society. GHRM (Green Human Resource Management) being an alternative towards traditional Human Resource Management (HRM), owes advantage thereby addressing all the environmental issues faster as compared to HRM. Companies adopting GHRM by implementing brisk technological alterations and consuming their resources in a sustainable approach, may progress through the accomplishment of attaining economic and sustainable development. In India, different sector adopting green practices to achieve sustainability goals (Basak, 2024). In a broad sense, GHRM provides a route for several countries to reach its increased Environmental Performance (EP) by assuming green practices in all functional areas. It raises practices, policies and systems that support every employee to be green and benefitted by every discrete member, humanity, ecosystem, along with the commercial world altogether (Opatha, 2013). It involves the evolution of green employees for achieving environmental goals that contributes towards environmental sustainability.

In the recent times, COVID19 pandemic being the most dreadful threat has adversely affected the domestic and global economy thereby posing impossibilities among the companies to draw a line of stability by merging the phases of transition among the life style of people related to the organization. This pandemic not only hindered several HRM practices of various organizations but also hampered them in meeting the economic challenges while throwing them to face financial obligations. Thus, the challenges faced by HR practices in organizations due to COVID19 can easily be resolved through the implementation of GHRM by conducting all the practices through digitized manner, which is considered as one of the elements of GHRM practices. As a consequence, industries can use GHRM practices to safeguard the operations that do not degrade the environment and to serve as the best practices to address the drawbacks of mechanization thereby certifying the approaches economically beneficial and a boon for the society as well.

The present review highlights theoretical contribution by conducting a systematic review of literature. The paper gives a report on the status about the stepwise modifications of GHRM. Moreover, the paper discusses about the international scenario on various GHRM strategies implemented in overseas organizations. In fact, this is the first report that reviewed in details about the Indian scenario on GHRM practices in various sectors of all over India. Furthermore, the paper also stated the societal impact of COVID 19 on GHRM, globally including India. Thus, this paper's

goal is to concentrate on substantial work done about GHRM research till now and to group them for identifying gaps, issues, and extent for more research in future.

### State-Of-The-Art On The Stepwise Modified Definitions of GHRM

Starting from 1996 till 2022 a series of authors have explored GHRM based on their understanding. They were concentrating on both business and green environment together.

The first author reviewed the action of HRM in relation with environmental management (Milliman & Clair, 1996). They fabricated an 'Environmental HRM practices' model. In organization HR department's plays a crucial part in customising the strategies and practices towards eco-friendly ambience from intake till exodus like Recruitment& Selection, Training & Development, Performance Appraisal, Rewards, Compensation Management (Amrutha & Geeta, 2020) and finally to leave, together considered as Green HRM practices(Renwick et al., 2008). According to AMO theory, HRM aims to increase employee capacity by attracting and developing top performers; enhance employee motivation and engagement over practices like conditional rewards and efficient performance management (PM); and offers opportunity for employees (Renwick etal., 2013). GHRM encompasses responsibility towards environment-usersociable HR initiatives resulting to larger efficiencies, reducing costs and enhancing engagement and retention of employees which contribute towards reducing the filing, job-allocation,car-sharing,teleimpurity by usage of electronic conferencing, recycling, cybernetic discussions, working from home, e-training, energysaving office areas and so on within organization (Mandip, 2012). The green workforce will create a branding image and thus to implement the Green Audit ISO 14000 within the industry (Shaikh, 2014), by adapting Green HRM practices such as Green Performance, Green Behaviours, Green Attitude, and Green Competencies are more powerful tools for shaping and reshaping organizations through green operation (Arulrajah et al., 2015). Several GHRM practices such as Green Recruitment & Selection, Green Training, Green Performance Management, Green Pay & Rewards, Green Involvement will help the employee and employer to protect the environment of the organization (Tang et al., 2018). The leading management of the organization communicates various environmental policies, plans, and many more relevant information towards employees to train them about the new ecological practices, empowerment to enlist in different environmental activities by rewarding employees to be environment-friendly (Kim et al., 2019). Thus, different HRM practices make 'Green Building', which comprises of various enhanced features associated with green practices (Ahmad, 2015) such as recycling, energy efficiency, storm water management, renewable energy, and waste management to be adopted in the organization to make the environment green (Chauhan, 2020). These are the concept of GHRM that are being articulated by numerous authors.

## Objectives

To review the available literature on GHRM practices

To explore the application of GHRM strategies in several diversified organizations abroad

To study the implementation of GHRM practices within several organizations in different states of India

To understand and implementation GHRM practices during COVID 19 which favours entire world environment

## **Research Methodology**

The study involves descriptive research as it gives description of the different GHRM practices to be implemented in worldwide. It also describes about implementing Green HRM practices in several sectors in India through geographical distribution. In this study, Researcher has no control over the variables and can only report the state of affairs that has happened.

This study was constructed on fully secondary based data and literature was reviewed from various publication websites and books etc. From this secondary data, researcher concluded about how different GHRM practices implemented in overseas as well as in India too.

## **Different GHRM Practices Adapted In Organization**

Several GHRM practices to be adapted by the different organizations to make the environment green represent in Figure.1.



Figure 1. Several GHRM practices adapted in different organization

Different aspects involved under GHRM practices explained by different authors

Author	Year of	Practices			
	Publication				
Renwick etal Opatha	2008	Green Job Design Job Green Job Analysis	Identify roles in environmental reporting, health and safety tasks to be matched with personal attributes of environmental competence with skills training through new Hires and investment in training. It includes green job description (environmental measurement as a responsibility) and job specification (green competency as a special component) of the job.		
Opatha &	2014	Green	Includes environmental criterion		
Anton		Recruitment	while Recruitment.		
	2016		Environmental oriented workforce		
Saini & Shukla			for materializing their own		
			company's environmental policy. It includes paperless recruitment process such as electronic-mail,		
	1996		global talent pool or online		
Wehrmeyer		Green	application. Telephonic or video		
Demoniale et al	2008	Selection	interviews also included to or		
Renwick etal	2013		prevent environmental impact related to travel.		
	2009				
Stringer			Having environmental knowledge more likely to be selected to manage organization.		
			Candidates environmental concern is considered as a criteria while selection		
			Green employer is a powerful means of attracting new talent.		
North	1997	Green Training	Educating the workforce by		

[		0	
Daily & Haung	2001	& Development	providing training on environmental awareness.
			It is to educate most employees on
			work processes that help to reduce
Renwick etal	2012		waste, save energy and resources.
			Providing training on
			environmental friendly practices
			such as reduction in long-distance
			business travel and recycling.
Wehrmeyer	1996	Green	Providing new entrants to
		Induction	understand the approach and basic information on environmental
Renwick etal	2012		management policies and practices.
Aykan	2017		Providing Job specific Green
,	,		Induction.
			Developing green interpersonal
			citizenship behaviour among
			current employees
Renwick et al	2008	Green	Measuring Environmental
		Performance	Performance standards in different
	2013	Management	business units and obtain
			meaningful data on manager's EP.
Ahmad	2015		Providing feedback on regular basis
			to encourage the employees or
			teams to achieve environmental
			goals or improve their EP.
			Focuses on the use of
			environmental responsibilities
Wagner	2013	Green reward	Green monetary rewards assigned
		&	with green rewards such as flexible
Opatha	2013	compensation	work schedules, work from home,
		Management	makes better employee
Nagpal	2016		performance.
			Financially rewarding employees
			for good Environmental
			Performance.
			'GO GREEN' badge as special award

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			for innovative outstanding work employee performance.
Renwick et al.	2013	Green employee Relation (Employees	Providing opportunities to participate in green suggestion schemes by the employees. Initiating green whistle-blowing
Tariq etal	2016	participation and empowerment)	and helplines for employees. Empowering green employees successfully and efficiently for improving an organization's performance.

## Miscellaneous Green HR initiatives adopted in several organizations

- Green Teams
- Green Building
- Green Printing
- Going Paperless
- Conservation of Energy
- Recycling and Waste Disposal
- Reduce Commuting & Reduce Business Travel
- Green Auditing
- Green Corporate social responsibility
- Green Work-Life Balance (GWLB)

# International scenario on various GHRM Strategies implemented in organizations overseas

Sl	Area of	Count	Objective	Methodolo	Findings /	Findings /
No	GHRM	ry		gy/ Data	Results	Results
•	Practices			type		
1	Green	Brazil	Role of	Quantitative	Recruitment	Jabbour
	Recruitmen		HRM	and	and selection	etal., 2010
	t and	Palesti	on EMS	qualitative	show a weak	
	Selection	ne	Identify the	method	relationship	Masri&Jaar
			association	Qualitative	on EMS	on 2016
			between	and	Implementat	
			GHRM	Quantitative	ion of GHRM	
		Pakista	practices	method	practices is	Ali, Islam
		n	and EP in		at modest	& Parveen

 Table 2: Implementation of GHRM practices in overseas

	1		_	•	umber of bept	
			manufacturi	Quantitative	level but	2017
			ng	method	green	
			organizatio		recruitment	
		Jordan	n		& selection	
			Impact of		practice is	Rawashde
			GHRM	Quantitative	highly	ha
			practices on	method	influential.	2018
		Malays	attracting		Implementat	
		ia	job seekers		ion of GHRM	
			into a	Quantitative	practices is	Yusoff et
			developing	and	reasonable.	al., 2018
			economy	Qualitative	Green	
			Explore the	method	Recruitment	
			association		have positive	
			between		impact on	
			GHRM		job seeker	
			practices		,	
			and EP		Implementat	
			within the		ion of	
			Jordanian		GHRM is	
			Health		reasonable in	
			service		Jordanian	
			organizatio		hospitals but	
			n.		strongest	
			Examine		correlation	
			the relation		between	
			among		recruitment	
			GHRM		& selection	
			practices		with EP	
			and EP in		Green	
			Malaysia's		recruitment	
			hotel		and selection	
			industry.		have	
			maastiy.		positively	
					and	
					significant	
					relationship	
					with EP	
					WILLI LI	
2	Green	UK,	Comparing	Multi case	In UK and	Millar et
	Training	Swede	different	study	Sweden	al., 2016
	iranning	Sweat	uniciciit	study	Sweden	ui., 2010

and n	GHR	(Qualitative	Green	•
Developme	practices	data)	Champion	
nt	and	,	scheme has	
	behaviours,		been	
	and		implemented	
	different		and	Masri&Jaar
Palesti	factors to	Qualitative	considered	on (2016)
ne	be	and	to be	011 (2010)
	considered	Quantitative	influential	
	that	method	for	
	influence	incento a	improving	Ali, Islam
	the		EP	& Parveen
Pakista	subsidiaries.	Quantitative		2017
n	substatuties.	method		2017
		method		
	Identify the		Implementat	Rawashde
]ordan	association	Quantitative	ion of Green	ha
Joraan	between	aspect	HRM	(2018)
	GHRM	aspece	practices is	(_010)
	practices		at modest	
Iran	and EP in		level with	Nejati
	manufacturi	Quantitative	least	etal., 2017
	ng	method	influential	,
	organizatio		relationship	
Malays	n		between	Yusoff et
ia	Impact of	Quantitative	green	al., 2018
	GHRM	and	training and	,
	practices on	Qualitative	development	
	attracting	method	with EP	Pham
	job seekers		Green	etal.,2019
Vietna	into a		Training and	
m	developing	Quantitative	Development	
	economy	method	have positive	
	Explore the		impact on	
	association		job seeker	
	between		attraction	
	GHRM			
	practices		Implementat	
	and EP		ion of Green	
	within the		HRM is at	
	Jordanian		moderate	

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r	-	tumber 05 september 2024
	Health	level in
	service	Jordanian
	organizatio	hospitals but
	n	weak
	Examine	correlation
	the relation	between
	between	Training and
	GHRM and	Development
	GSCM in	with EP
	manufacturi	GHRM
	ng	practices
	industries	such as
	Examine	Green
	the relation	Training and
	among	Development
	GHRM	have the
	practices	most positive
	and EP in	influence on
	Malaysia's	GSCM
	hotel	
	industry	Green
	Contributio	Training &
	n made by	Development
	GHRM	have
	practices	positively
	towards	and
	organizatio	significant
	nal	relationship
	citizenship	with the EP
	behaviour	Based on
	(OCBE)	AMO theory,
	through	GHRM
	AMO	practices
	theory	shows
		positive
		impact
		towards
		OCBE.
		Environment
		al Training
		boost

					employee	
					voluntary	
					green	
					behaviour	
3	Green	Brazil	Role of	Quantitative	Performance	Jabbour et
	performanc		HRM on	and	evaluation	al., 2010
	e		EMS	qualitative	shows a	
	manageme			method	positive	
	nt and	Malays			impact on	Yusoff et
	Appraisal	ia	Examine	Quantitative	EMS	al., 2018
			the relation	and		
			among	Qualitative	Green	
			GHRM	method	Performance	Pham
		Vietna	practices		Appraisal	etal.,2019
		m	and EP in	Quantitative	negatively	
			Malaysia's	and	influence	
			hotel	Qualitative	with the EP	
			industry	method		
			Contributio		It shows,	
			n made by		Green	
			GHRM		Performance	
			towards		management	
			OCBE		is a	
			through		mechanism	
			AMO		to boost	
			theory		employee	
					voluntary	
					green	
					behaviour	

4	Green Pay,	Brazil	Role of	Quantitative	Rewards	Jabbour
Т	reward and	Diuzii	HRM on	and	dimension	etal., 2010
	Compensati		EMS	qualitative	shows a	<b>count</b> , <b>_</b> 010
	on	Iran		method	positive	
	011	mun	Examine	Quantitative	impact on	Nejati
			the relation	method	environment	etal., 2017
		Malays	between	method	al	etal., 2017
		ia	GHRM and			Yusoff
		Id	GSCM in	Quantitativo	management	etal., 2018
				Quantitative	system	etal., 2010
			manufacturi	and	Green Pay	
			ng	Qualitative	&Rewards	
			industries	aspect	have	
			Examine		positively	
			the relation		influenced	
			among		on GSCM	
			GHRM			
			practices		Green	
			and EP in		Compensatio	
			Malaysia's		n have	
			hotel		positive and	
			industry		significant	
					relationship	
					with the EP	
5	Green		Importance	Review	Implementat	Cherian &
	Employee		of GHRM	article	ion of HR	Jacob 2012
	relation		practices for		policies	
	(employee		promoting		among	
	empowerm		employee		employees	
	ent and	China	morale for		for	
	participatio		benefit of		promoting	Paille etal.,
	n)		both	Quantitative	EMS	2013
		Iran	company	method	initiatives	_
			and		leads to	Nejati
			employee	Quantitative	retention of	etal., 2017
			Linking the	method	employees,	· ·
		Vietna	relationship		good image,	
		m	between		attracting	Pham etal.,
			SHRM,	Quantitative	better	2019
			OCBE and	and	employee	
			EP	Qualitative	increase	
			Examine	method		
			планние	methou	productivity	

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-	[			•	umber 03 sept	
			the relation		and	
			between		sustainability	
			GHRM and		OCBE	
			GSCM in		mediates	
			manufacturi		relationship	
			ng		between	
			industries		SHRM and	
			Contributio		EP	
			n made by			
			GHRM		Green	
			towards		Empowerme	
			OCBE		_	
			through		positively	
			AMO		influenced	
			theory		on GSCM	
					It depicts,	
					It depicts, Green	
					Employee	
					Involvement	
					is a	
					mechanism	
					to boost	
					employee	
					voluntary	
					green	
					behaviour	
6	Job Analysis	Brazil	Contributio	Quantitative	Job analysis	Jabbour
			n of HRM	and	shows weak	etal., 2010
			on EMS	Qualitative	relationship	
				method	with EMS	
7	Corporate	Germa	Comparing	Quantitative	CSR is	Millar
	Social	ny	different	method	driving	etal., 2016
	Responsibil		GHR		environment	
	ity		practices		al	
	-		and		performance	
			behaviours,		of employees	
			and		within	
			different		restaurants	
			factors to			
			be			

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			considered			
			that			
			influence			
			the			
			subsidiaries			
8	Green work	India	Examine	Quantitative	Work life	Bangwal
	Life balance		how GHRM	method	plays	etal.,2017
			contributes		significant	
			to EP		mediation	
			through		effect in the	
			employee		relationship	
			work-life		of GHRM	
					and EPF	

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A green corporation is an organization that provides consistent products and services which are according to the goals that effectively exploit resources, generate renewable energy resources, reduce the emission of greenhouse gases leads to minimize the environmental impacts (Daily & Hung, 2001). In table 2, Based on secondary data from different sources, list of countries implementing GHRM practices in overseas has been shown in table. It also depicts about the application of different methodology (quantitative, qualitative or mixed method) for collection of data. Different GHRM practices are implemented in different countries where the results may vary country by country. The findings show that Asian countries such as China, India, Iran Malaysia, Jordan, Palestine, Pakistan, Vietnam when compared with other European countries (UK, Germany, Sweden) or US, Brazil, GHRM practices are much applied and the results shows positive relationship with the EP.

Few countries such as in Brazil, GHRM practices such as Green Recruitment & Selection shows a weak relationship with the EP. In Malaysia Hotel industry, Green performance management shows negative impact on the performance of environment. Some countries like Jordan, shows a moderate relationship of GHRM practices on EP though recruitment and selections show a strong correlation on EP. Green pay & rewards and Green employee relation always depicts positive impact on EP in most countries.

Indian Scenario on Various GHRM Practices or Initiatives Implemented in Several Organizations

Sl	Sector	Green	Objectives	Collecti	Findings /	Reference
n		HRM	,	on	Results	
о.		Practices /		Method		
		Green HR		S		
		Initiative				
1	FMCG (ITC Limited)	Premium business and biodegrada ble paper,paper board laminates, reducing carbon footprint, conservatio n of water and energy, Colour removal from effluent	Investigate the attributes and expansion of Green HR initiatives adoptedin ITC Limited	Primary data	Improve operational efficiencies with upgrading technology with respect to its size and diversity to achieve almost 100% solid waste recycling	Mandip, 2012
2	CPSEs such as (BDL, NMDC, BHEL, CSL, HAL, PGCIL, RINL and NLC)	Recruitmen t Training	Importance of GHRM practices as a pioneering method in different CPSE's	Primary data and Seconda ry data	Results shows GHRM is at nascent stage in these Indian CPSEs. Companies are less aware of green skills and recruitment of	Mishra etal., 2014

## Table 3: GHRM practices implemented in several organization in India

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		empl	oyees.				
		Few	CPSE's				

					Few CPSE's implemented training programs. Rest CPSE's are likely to implement training programs on green practices for employees	
3	Overall sector	Green (Recruitme nt, Selection, Training, Placements )	To study about the awareness of GHR practices among the people of Indore	Primary Data	People in Indore are not much aware about the concept, practices and products of GHR.	Chopra & Nayak, 2015
4	Manufactur ing Sector	Green (Recruitme nt, Training)	Examine how Green practices effect Kerala's industrial sector performanc e	Primary data and Seconda ry data	Green Recruitment and Green Training shows significant and positiveinflu ence on the performance of manufacturi ng industry	Haridas& Subramana ian, 2016
5	IT, Manufactur ing, Auto, Automation , paper	Green (Recruitme nt, Training, Rewards,	Evaluate the Green HRM practices in various	Primary data	Recruitment policydoes not reflect company's sustainability	Sarode etal., 2016

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Performa	nc types of		agenda. Less	
e	industries		awareness of	
managen	ne in Pune		paperless	
nt)	region		recruitment	
			by	
			industries.	
			Most	
			industries	
			cannot	
			provide	
			adequate	
			training on	
			environment	
			al initiatives.	
			Most	
			organization	
			s often,	
			offered	
			financial	
			rewards to	
			motivate	
			employees	
			for Green	
			performance	
6 Health care Green	Importance	Seconda	Top priority	Suri &
sector (Sun (Recruitm	ne of Green	ry data	to invest in	Banerji,
pharmaceut nt,	HR		CSR	2016
ical Selection	, practices		activities to	
industries Performa	nc on pharma		achieve	
Ltd) e apprais	sal, industry		environment	
Training			al	
and			sustainability	
Developm	ne		over HR	
nt,			practices	
employee				
relation,				
CSR)				
7 IT sector Green	Status of	Primary	Fail to	Rao &
(Recruit		data and	recruit green	Mouli, 2017
	ne GHRM	uata anu		Wi0uii, 2017
nt	practices in IT industry	Seconda	employer or employees in	Woull, 2017

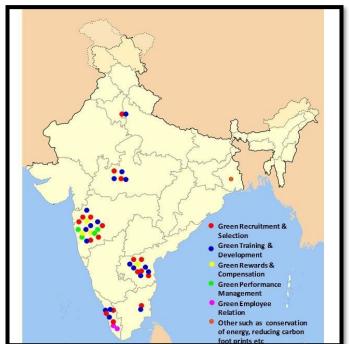
				-	-	
			at		industry	
			Trivandru		which	
			m		creates a	
					brand image	
					Lack of	
					online	
					training	
					programs for	
					employees in	
					industry	
8	Banking	Green	Study the	Both	Results	Franklin &
		(Recruitme	influences	Primary	indicates	Nilufar,
		nt	of GHRM	survey	except	2018
		&Selection,	practices	and	employee	
		Training	on job	Seconda	participation	
		&developm	satisfaction	ry data	on	
		ent,	includes		environment	
		Performanc	different		al strategy	
		e appraisal,	HR		indicates,	
		Rewards &	practices		there is	
		compensati			significant	
		on,			difference in	
		Employee			the influence	
		participatio			of GHRM	
		n)			practices on	
					job	
					satisfaction	
9	Bank	Green	Identify the	Primary	Green	Chauhan,
		(recruitmen	impact of	data	(recruitment	2020
		t&	GHRM		& training)	
		selection,	practices		have	
		training	on EP in		significant	
		&developm	AXIS Bank		influence on	
		ent,			EP.	
		compensati			Green	
		on			(Compensati	
		&rewards,			on & rewards	
		employee			and	
		participatio			employee	
		n)			participation	
					) were highly	
L					,	

					positive to EP	
10	IT (Wipro, Cognizent, TCS)	Green (Recruitm∈ nt, Training & Developm∈ nt Pay & Rewards)	Study about the impact of GHRM practices on Organizati onal Performanc e in selected IT sector in Hyderabad	Primary Data	Training & Development is having the high impact as compared with less impact by Recruitment, pay and rewards system on organization al performance	Sirisha etal., 2020
11	Rastriya Ispat Nigam Ltd	Green (Recruitme nt, Training and Involvemen t)	Investigate the influence of GHRM practices in RINL	Primary data	Green recruitment, Green training and Involvement shows significantly high influence on overall performance	Das & Sreelakshm i, 2021
12	Automotive Industry	Green (HR planning, Job design, Recruitmen t, Selection, Training practice, Employee relation)	Study GHRM practices in Automotive industries in Chennai	Both Primary and Seconda ry data	Green (HR planning, Job design, Recruitment, Selection, training practice, Employee relation) shows a significant impact on	Kumar etal., 2022

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		organization al	
		sustainability	

Based on the above research articles, study of literature on the various Green HRM practices implemented in several organizations in India has been represented in Table 3. Different research articles mentioned about the implementation of different method of collection of data such as primary data, secondary data or both. In India it has been noticed that there are several sectors where they are implementing several GHRM practices separately such as in ITC (FMCG company), where they are implementing premium business paper, biodegradable paper, water conservation etc for improving the efficiency of the organization. In CPSEs such as BDL, NMDC, BHEL, CSL, RINL, NLC where they applied Green Recruitment and Training practices through green skills, experiences and gave training programs on green practices among employees. In IT, manufacturing, automation, automobile industries where Green Recruitment & Training, Green Rewards& Pay, Green Performance management, Disciplinary actions are imposed for the betterment of the organizational performance. Sun Pharmaceuticals Industry ltd. (healthcare sector) also implements Green Recruitment & Selection, Green Performance Appraisal, Green Training& Development (Faisal, 2023), Green Employee Relation within the organization. In this sector apart from implementation of all these practices it gives importance more towards CSR to achieve environmental sustainability. In Axis bank sector) implementation of Green (Banking Recruitment, Green Training, Compensation, Rewards, Employee Participation shows positive relation towards EP within the organization.



# Figure. 2. State-wise distributions on implementation of various GHRM initiatives practiced by several organizations in India.

The Map emphasizes on state-wise implementation of GHRM practices (Masri&Jaaron, 2017) in different organizations in India. It shows that in Maharashtra, Madhya Pradesh, Andhra Pradesh and Kerala, GHRM practices are imposed in several organizations. However, in Delhi, only Green recruitment & selection, Green training & development are applied in organizations. In Tamil Nadu Green recruitment & selection, Green training & development practices are implemented in industries. In West Bengal, a FMCG company imposed other GHRM practices such as conservation of energy, reducing carbon footprints, biodegradable papers etc. towards positive environmental performance.

### Societal Impact of COVID-19 on GHRM Globally

During COVID-19, several organizations faced difficulties relating to HRM issues such as Recruitment & Selection process, Training & Development purpose, Performance Management Systems are among the employee adversely. These related issues are resolved by implementing different GHRM practices in different sectors viz. hospitality sector, IT sector where Training and Development pattern has been changed from offline to virtual or online training where they covered multiple training sessions in a short span of time. Employees have started working from home (WFH) to avoid gathering which results to control infection among employees. Many more companies provided laptop computers, printers, scanners and started delivering food to employees who lived alone or could not cook a meal. Some of them provided a hotel for temporary accommodation to employees for those who were facing home or travel-related problems due to lockdown in several cities. This helped to increase the efficiency of employees within the organization. (Agarwal, 2021).

Apart from positivity of Green HRM practices in several organizations during COVID-19 and post pandemic, overall environment is also influenced towards positive public health. These results in good air quality leading to greater public health and wellbeing benefits as well as significant economic benefits and thus increased impact on work productivity. "Governments have incorporated 'green' stimulus measures into their policies to address the short-medium term socio-economic impacts during the pandemic. Various programs such as grants, loans and tax relief for green transportation, the circular economy and clean energy research, development and deployment, as well as financial support to households and businesses results to energy efficiency improvements and renewable energy installations with new funding and different programs to create jobs and stimulate economic activity through ecosystem restoration" (EC, 2020).

In India, several banks have adapted green banking (Alexander, 2016) services at the same time as the sustainability goals imposed by UN as a business model. Several

GHRM practices such as effective digital banking, effective implementation of WFH, online Training and development programs by arranging webinar have turn into a new normal. Studies analyse the pandemic situation and different major banks such as SBI, HDFC Bank and Axis Bank have adopted these practices and also give suggestions in the Post COVID era for further improvement (Mishra & Rath, 2021). Not only banks but also other different organizations are participating to invent green technologies to be implemented within organization (Basak & Basak, 2023).

#### **Possible Future Direction**

Although various global as well as national organizations have applied several GHRM strategies in different sectors throughout the country, but still these strategies individually might have certain limitations and drawbacks in them so as to implement GHRM completely in various industries.

Green recruitment and selection are one among the several strategies that have been widely used by different organizations of various countries. Assigning questionnaires to large number of respondents are considered to be as samples for filling up the questionnaires. Hence large sample consideration while studying recruitment and selection strategy is required in future. Research on Green Performance assessments focuses on issues related to environmental incidents, communicating environmental policy, and environmental audit and system.

#### Conclusion

The above literature review enlightens the GHRM research in a sequential drift, through maximum articles issued since 1995 to 2022, then a geographic inclination, through furthermost articles available containing reports from evolving nations of the world. Here a literature survey has been done on summarizing the findings in relation to GHRM principles in several countries in overseas and in India from 2010-2022. Based on the existing literatures and reviews, it was concluded that organizations could enhance their EP in a more sustainable way by comprehending and broadening the scope and depth of GHRM practices. It is considered as the most dominant tools in making organizations and its operations green. This is only around a time when almost every business will adapt environmentally responsible practices for the betterment of the society as a whole. Therefore, each organization should incorporate environmental issues and practices into its strategic HR decision, corporate policies and day to day HRM activities. Overall this literature analysis helps to clarify how GHRM practices are applied in various organizations globally. It predicts about the great impact of GHRM practices on the green performance of the organization. This literature review also throws a light on the adoption of several GHRM practices and its positive impact on the performance of the organization in India. Though the Green movement and GHRM are in infancy stage, increasing awareness within organizations and the consequences of green issues have compelled them to squeeze

environmentally friendly HR practices with a definite spotlight on waste management, recycling, reducing carbon footprint, using and producing green products. However, Green ideas and practices are proved to be relevant in more organizations and within the realm of HR career. As champions of corporate culture and policies, HR leaders are essentials to instilling a sense of obligation among every employee, thus by ensuring greening process in all future activities in order to achieve sustainable GHRM.

### Reference

- [1] Ahmad, S. (2015). Green human resource management: Policies and Practices. Cogent Business & Management, 2 (1): 1-13.
- [2] Ali, H., Islam, U., & Parveen, S. (2017). Impact of Green human resource management Practices on Job Seekers' Attraction. Journal of Resources Development and Management, 38: 26-32.
- [3] Alexander, K. (2016). Banking regulation and environmental sustainability, Amicus curiae, 104: 1-8
- [4] Amrutha, V.N. and Geeta, S.N. (2020) A systematic review on green human resource management: Implications for social sustainability, Journal of cleaner production, 247.
- [5] Arulrajah, A. A., Opatha, H., & Nawaratne. (2015). Green human resourcemanagement practices: a review. Sri Lankan Journal of Human Resource Management, 5 (1):1–16
- [6] Aykan, E. (2017). Gaining a Competitive Advantage through Green Human Resource Management.Corporate Governance and Strategic Decision Making, intech publication.
- [7] Bangwal, D., Tiwari, P., & Chamola, P. (2017). Green HRM, work-life and environment performance. International Journal of Environment, Workplace and Employment, 4 (3).
- [8] Basak, G., C Hazra & R Sen. (2020). Biofunctionalized nanomaterials for in situ clean-up of hydrocarbon contamination: A quantum jump in global bioremediation research. Journal of environmental management 256: 109913
- [9] Basak, S., & Basak, G. (2023). Green HRM and IPR: A way Towards Environmentalism. Himalayan journal of Economics and Business Management, 4(1): 103-107.
- Basak, S. (2024). A Study on Linkages of Green HRM with SDG12 in Selected PSUs in India . International Journal of Enhanced Research in Management & Computer applications, 13(9): 17-24.
- [11] Chauhan, R. (2020). A Study on Impact of Green Human Resource Practices on Environmental Performance: Case Study with Reference to Axis Bank. The International journal of analytical and experimental modal analysis 12(2): 2367-2376.

804 www.scope-journal.com

- [12] Cherian, J. P., & Jacob, J. (2012). A study of green HR practices and its effective implementation in the organization: A review. International Journal of Business and Management, 7 (21): 25-33
- [13] Chopra, T., & Nayak, A. (2015). Green HR Practices: Awareness and perception of People in Indore City. International Journal of Engineering and Management Research, 5 (2): 631-635.
- [14] Daily, B. F., & Huang, S. C. (2001). Achieving sustainability through attention to human resource factors in environmental management. International Journal of Operations and Production Management, 21 (12):1539-1552.
- [15] Das, V. T., & Sreelakshmi, A. (2021). Factors Contributing Green Human Resource Management: With Reference to Rashtriya Ispat Nigam, Ltd., Visakhapatnam, A.P., India. United International Journal for Research & Technology, 02 (09), 84-89.
- [16] Faisal, S. (2023). Green human resource management A Synthesis, Sustainability, 15 (3).
- [17] Haridas, P. K., & Subramanian, C. S. (2016). Impact of Green HRM Practices on Firm Performance: With special reference to Manufacturing Industry. International journal of engineering, technology science and research, 3 (12): 49-54.
- [18] Jabbour, C. J., Santos, F., & Nagano, M. S. (2010). Contributions of HRM throughout the stages of environmental management: methodological triangulation applied to companies in Brazil. International Journal of Human Resource Management, 21: 1049-1089.
- [19] Kim, J. Y., Kim, W. G., Choi, H. M., & Phetvaroon, K. (2019). The effect of green human resource management on hotel employees' eco-friendly behavior and environmental performance. International Journal of Hospitality Management, 76: 83–93.
- [20] Kumar, G., Anbu, A., & Saranya, J. (2022). The Study on Impact of Green HRM Practices on Organization Sustainability from Employee Perspective with Special Reference to Automotive Industries in Chennai. Webology, 19 (1): 4979-4989.
- [21] Mandip, G. (2012). Green HRM: People management commitment to environmental sustainability. Research Journal of Recent Sciences, 1: 244–252.
- [22] Masri, H. A., & Jaaron, A. A. (2017). Assessing Green Human Resources Management practices in Palestinian manufacturing context: An empirical study. Journal of Cleaner Production, 143: 474-489.
- [23] Millar, J. H., Sanyal, C., & Camen, M. C. (2016). Green human resource management: a comparative qualitative case study of a United States multinational corporation. The International Journal of Human Resource Management, 27(2): 192-211.

- [24] Milliman, J., & Clair, J. (1996). Best environmental HRM practices in the US. In W. Wehrmeyer (Ed.), Greening people: Human resource and environmental management. Sheffield, UK: Greenleaf Publishing.
- [25] Mishra, R. K., Sarkar, S., & Kiranmai, J. (2014). Green HRM: innovative approach in Indian public enterprises. World Review of Science, Technology and Sust. Development, 11 (1): 26-42.
- [26] Mishra,S.,& Rath,N.(2021). Green human resource management practices in leading banks during Covid pandemic. Journal of contemporary issues in business and government, 27, 3035-3045.
- [27] Nagpal, P., & V, R. H. (2016). Green color is In now A strategic call for Indian corporate. 5th international conference on managing human resources at the workplace, 1-13. Sdmimd.
- [28] Nejati, M., Rabiei, S., & Jabbour, C. J. (2017). Envisioning the invisible: Understanding the synergy between green human resource management and green supply chain management in manufacturing firms in Iran in light of the moderating effect of employee resistance to change. Journal of cleaner production, 168, 163-172.
- [29] Opatha, H. (2013). Green human resource management: A simplified Introduction. Proceedings of the HR Dialogue, 1, pp. 11-23. Srilanka.
- [30] Paille, P. Chen, Y. Boiral, O. Jin, J. 2013. The Impact of Human Resource Management on Environmental Performance: An Employee-Level Study. Journal of Business Ethics, 121: 451-466.
- [31] Pham, N. T., Tučková, Z., & Jabbour, C. J. (2019). Greening the hospitality industry: How do green human resource management practices influence organizational citizenship behavior in hotels? A mixed-methods study. Tourism Management, 72: 386–399
- [32] Rao, S. K., & Mouli, S. C. (2017). Green Human Resource Management (GHRM) in IT Companies:Environmental Sustainable policies. International Research Journal of ManagementScience&Technology,8(8): 431-442.
- [33] Rawashdeha, A. M. (2018). The impact of green human resource management on organizational environmental performance in Jordanian health service organizations. Management Science Letters, 8: 1049–1058.
- [34] Renwick, D. W., Redman, T., & Maguire, S. (2008). Green HRM: A review, process model, and research agenda., 1. University of Sheffield Management School Discussion Paper 1:1-46.
- [35] Renwick, D. W. Redman, T., & Maguire, S. 2012. Green HRM: A Review, Process, Model and Research Agenda. In International Journal of Management Review.
- [36] Renwick, D. W., Redman, T., & Maguire, S. (2013). Green Human Resource Management: A Review and Research Agenda. International Journal of Management Reviews, 15 (1):1-14.

- [37] Saini, P., & Shukla, K. (2016). Green recruitment a new tool of cost cutting (conceptual study). International Journal of Scientific and Innovative Research, 4 (1).
- [38] Sarode, A. P., Patil, J., & Patil, T. (2016). A study of Green HRM and Its Evaluation with Existing HR Practices in Industries within Pune Region. International Journal of Research in Engineering, IT and Social Sciences, 6 (4), 49-67.
- [39] Shaikh, M. W. (2014). Green HRM, A Requirement of 21st Century. Abhinva Journal of Research in Commerce and Management , 122-127.
- [40] Sirisha, B., Chandramukhi, K., Cintre, S., & Mazeed, S. A. (2020). Effectiveness of Green HR Practices on Organizational Performance in selected IT Companies - Indian Perspective. Journal for the study of Research,12(4): 149.
- [41] Stringer, L. (2009). The Green Workplace. Sustainable Strategies that Benefit Employees, the Environment, and the Bottom Line. New York.: Palgrave Macmillan.
- [42] Suri, F. K., & Banerji, A. (2016). Super Generics—First Step of Indian Pharmaceutical Industry in the Innovative Space in US Market. Journal of Health Management, 18 (1): 161-171.
- [43] Tang, G., Chen, Y., Jiang, Y., Paille, P., & Jia, J. (2018). Green Human Resource Management Practices: Scale Development and Validity. Asia Pacific Journal of Human Resources, 56: 31-55.
- [44] Tariq, S., Jan, F. A., & Ahmad, M. S. (2016). 65. (2016). Green Employee Empowerment: A Systematic Literature Review on State-of-art in Green Human Resource Management, Quality & Quantity, 50(1): 237-269.
- [45] Wagner, M. (2013). Green' Human Resource Benefits: Do they Matter as Determinants of Environmental Management System Implementation? Journal of Business Ethics, 114, 443–456.
- [46] Wehrmeyer, W. (1996). Greening People: Human Resources and Environmental Management(1 ed.). Sheffield: Greenleaf.
- [47] Yusoff, Y. M., Nejati, M., Kee, D. M., & Amran, A. (2018). Linking Green Human Resource Management Practices to Environmental Performance in Hotel Industry. Global Business Review, 21 (3): 1–18.

#### Website:

EC (2020), A European Green Deal (ec.europa.eu; www.forbes.com)