Bulletin of Business and Economics
ISSN - 2409 - 9368

ASSESSING THE EFFECTIVENESS OF GREEN BANKING INITIATIVES IN PROMOTING SUSTAINABLE DEVELOPMENT: A COMPARATIVE ANALYSIS OF GREEN BANKING PRACTICES IN DEVELOPED AND DEVELOPING COUNTRIES

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ABSTRACT

This research study aimed at assess the effectiveness of green banking initiatives in promoting sustainable development through a comparative analysis of green banking practices in developed and developing countries. Through a comparison of green banking practices in established and developing nations, this research project seeks to determine how effective green banking programs are at fostering sustainable development. The significance of sustainable development has drawn considerable attention on a global scale, and the banking industry is essential in promoting sustainable practices through green banking programs. In order to assess and contrast the green banking practices of industrialized nations with their well-established frameworks and laws with those of developing nations where green banking initiatives are still in their infancy, the research completed use a comparative analysis technique. The study completed look at the main plans, laws, and methods that banks in both types of nations have used to encourage sustainable growth. A mixed-methods approach completed be used for the research, integrating qualitative and quantitative techniques. Literature review for qualitative and surveys with bankers in the subject of green banking completed be used to gather quantitative data. The data was analyzed through comparative analysis and statistical measures of descriptive and correlation. The results show that green banking effect the sustainable development of nations.

KEYWORDS: Green Banking, Sustainable Development, Comparative Analysis, Developed Countries, Financial Incentives, Qualitative and Quantitative Methods

1. INTRODUCTION

The importance of sustainable development due to the pressing need to address environmental issues and advance economic and social well-being. As a result, several industries including the banking sector have realized how important it is to incorporate sustainability into their operations (Ahmad et al., 2013). In order for financial institutions to contribute to sustainable development, green banking, sometimes referred to as sustainable banking or ethical banking, has become increasingly important. The term "green banking" describes how banks and other financial institutions are implementing ecologically and socially responsible practices. It entails incorporating environmental and social factors into a range of banking activities, including operations, lending, investment, and risk management. Supporting sustainable enterprises, reducing environmental hazards, promoting finance for renewable energy sources, and easing the switch to a low-carbon economy are the objectives (Mir & Bhat, 2021).

This research study between developed and developing nations is a key component of this study's assessment of how well green banking programs promotes sustainable development. Developed nations have been at the forefront of adopting green banking practices because they have built regulatory frameworks and developed financial systems (Bahl, 2012; Bai, 2011). On the other hand, developing nations are just beginning to adopt green banking programs and are increasingly realizing the value of sustainable finance. To study the similarities, differences, strengths, limitations, possibilities, and difficulties of green banking practices in both developed and developing nations, the comparative analysis approach is used. The effectiveness of green banking initiatives and the factors determining their success can be learned by examining and contrasting different practices.

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1.1. RESEARCH OBJECTIVES

- Evaluating the success of green banking practices in industrialized and emerging nations.
- Assessing the green banking activities affect sustainability metrics like lowering carbon emissions, financing renewable energy sources, green loans, and risk management for the environment.

1.2. HYPOTHESIS OF THE STUDY

$H_{0:}$ There is no significant effect of green banking activities on the sustainability metrics including lowering carbon emissions, financing renewable energy sources, green loans, and risk management for the environment.

The idea of "green banking" has gained popularity recently as a potent instrument for bringing the financial industry in line with sustainable development objectives. Banks have begun incorporating environmental and social concerns into their daily operations after realizing their potential as change agents. Banks may help address environmental issues, support socially conscious projects, and promote sustainable economic growth by incorporating sustainability concepts into their practices. Green banking projects have been implemented first and foremost in developed nations (Bhardwaj & Malhotra, 2013). These nations frequently have built legislative frameworks that support sustainable finance and push banks to use eco-friendly procedures. They have enacted strict environmental and social laws, such as requirements for sustainability performance reporting, the disclosure of risks associated to climate change, and standards for ethical lending and investment. Banks in industrialized nations have responded by putting in place a variety of sustainability initiatives, including funding renewable energy projects, adding environmental factors to loan decisions, and creating green bonds and funds. However, emerging nations are relatively recent entrants into the green banking industry. However, they are making efforts to set up their green banking frameworks as they are beginning to recognize the significance of sustainable finance (Chandra, 2010). Particular difficulties are faced by developing nations, such as constrained financial resources, lower institutional capabilities, and conflicting development agendas. However, they are making use of international partnerships, studying best practices in industrialized nations, and adjusting green banking tactics to their own settings (Biswas, 2016). Developing nations frequently concentrate on developing sustainable infrastructure, increasing funding options for renewable energy sources, and integrating social and environmental risk management into banking activities (Islam, 2020). This research study's basis is the body of literature on green banking projects and how well they promote sustainable development. The literature reveals many major themes and conclusions that completed serve as the review's compass.

2. LITERATURE REVIEW

The comparative analysis of green banking in industrialized and developing nations. It promotes knowledge sharing between nations at various levels of implementing green banking, identifies effective solutions, and points out areas for improvement. Developing nations can learn about effective policy frameworks, regulatory procedures, and cutting-edge practices by studying the experiences of industrialized nations (Bukhari et al., 2020). Additionally, industrialized nations can benefit from the distinctive difficulties and creative solutions of developing nations to promote a more inclusive and thorough grasp of green banking practices. This research study aims green banking projects in developed and developing nations; this research study seeks to advance the field. By analyzing their effects on important sustainability indicators, it aims to determine how effective they are at promoting sustainable development. Carbon emissions reduction, financing for renewable energy, green lending (such as loans for sustainable agriculture or energy-efficient construction), and environmental risk management techniques are some of these indicators (Chandran & Sathiyabama, 2020). The research intends to pinpoint trends, success factors, and areas for development. The study also intends to investigate the variables impacting the success of green banking projects in various circumstances. Green banking practices are greatly influenced by regulatory frameworks, and this study completed examine how the regulatory disparities between developed and developing nations affect the success of sustainability projects. Financial incentives, including tax breaks or subsidies for green investments, can have a big impact on whether or not green banking practices are adopted (Hosain et al., 2020). The study completed look at how these incentives for sustainable financing have affected both types of nations. In addition, cultural norms and public perceptions of sustainability may have an impact on how well green banking efforts perform. The study seeks to provide a thorough understanding of the efficiency of green banking practices in supporting sustainable development by examining these contextual aspects (Sudhalakshmi & Chinnadorai, 2014).

Overall, by comparing practices in rich and developing nations, this study completed add to the body of knowledge already available on green banking. Policymakers, financial organizations, and other stakeholders interested in creating sustainable finance policies completed benefit greatly from the findings. The goal of the research is to improve the efficacy of green banking programs and hasten the attainment of sustainable development goals on a global scale by finding effective solutions, addressing issues, and encouraging information sharing (Islam, 2020).

This study completed educate readers on a number of important themes relating to the effectiveness of green banking activities in achieving sustainable development, in addition to the aspects already discussed (Hosain et al., 2020). The study completed examine how frameworks for policy and regulation either facilitate or hinder the development of green banking practices. We'll compare the regulatory frameworks in industrialized and developing countries and look at how supportive laws, regulations, and standards affect the success of green banking initiatives. The study completed also look at possible remedies for the problems that emerging countries encounter while establishing efficient regulatory frameworks (Chaudhary et al., 2013).

This study completed educate readers on a number of important themes relating to the effectiveness of green banking activities in achieving sustainable development, in addition to the aspects already discussed (Sarker et al., 2020). The study completed examine how frameworks for policy and regulation either facilitate or hinder the development of green banking practices. We'll compare the regulatory frameworks in industrialized and developing countries and look at how supportive laws, regulations, and standards affect the success of green banking initiatives. The study completed also look at possible remedies for the problems that emerging countries encounter while establishing efficient regulatory frameworks. Engagement and Collaboration of Stakeholders (Das, 2018). The success of green banking programs depends on the involvement and cooperation of a variety of stakeholders, including governmental organizations, regulatory agencies, financial organizations, non-profit groups, and consumers (Meena, 2016). The success of green banking practices completed be evaluated along with the level of stakeholder engagement in both developed and developing nations. It completed examine how collaborations and knowledge systems facilitate the dissemination of best practices, novel ideas, and capacity-building programs.

The banking sector is changing due to technological development and digitization, which is creating new opportunities for green banking practices. The study completed look into how technology and digital tools, like online platforms for impact investing, block chain-based supply chain monitoring systems, and data analytics for environmental risk assessment, might help with sustainable finance (Hosain et al., 2020). It completed examine how technological advancements are incorporated into green banking practices in wealthy and developing nations alike and determine how effective they are in fostering sustainable development. The study completed investigate the methods and strategies employed by banks to evaluate the social and environmental effects of their operations. It completed look at how banks in rich and developing nations consider social and environmental risks when deciding whether to lend money or make an investment (Islam, 2020). The usefulness of these impact assessment techniques in promoting sustainable investments and minimizing the unfavorable environmental and social impact of banking activities completed also be evaluated by the study.

3. MATERIAL AND METHODS

A mixed-methods strategy completed be used in the research project to gather and analyses both quantitative and qualitative data. The literature review was compiled to evaluate the green banking practices and sustainable measures. While the survey was employed to measure the data provided by the bankers (400, 200 from developed countries and 200 from developing countries, selected through random sampling) to promote green banking for stable economic and environmental leads. The survey was self-developed based on the qualitative evaluation of the previous studies and analysis, which provided the material on sustainable metrics including the lowering carbon emissions, financing renewable energy sources, green loans, and risk management for the environment. Various data bases were used to collect specific and relevant material for study. For quantitative data collection google form was used to approach the respondents. The qualitative data bases were used to collect and synthesis the data. The qualitative analysis completed after deep, contextual understandings of the efficacy of green banking efforts and the variables affecting their adoption in various nations. Quantitative analysis was done through descriptive and correlations.

3.1. QUALITATIVE COMPARATIVE ANALYSIS

The literature highlights the many green banking practices that banks have adopted globally. Offering financial products with environmental advantages (like green bonds), incorporating sustainability criteria into investment decisions, implementing environmentally friendly operational practices within banks, and promoting green lending for renewable energy projects and sustainable businesses are a few examples. Green banking practices are a collection of tactics and programs used by banks to incorporate environmental and social factors into their daily operations. In the literature, the following significant green banking practices have been noted.

A few studies compared the green banking practices of industrialized and developing nations. These studies frequently highlight the variations in legislative structures, financial incentives, and institutional capabilities, as well as how these factors affect the adoption and efficiency of green banking projects in diverse contexts.

The literature investigates a number of aspects that affect the success of green banking efforts. The incorporation of social and environmental impact assessments into banking practices is one of these, along with regulatory frameworks and policies, financial incentives and market mechanisms, stakeholder engagement and collaboration, and technical innovations.

Table 1: Comparative Analysis of Green Banking Practices

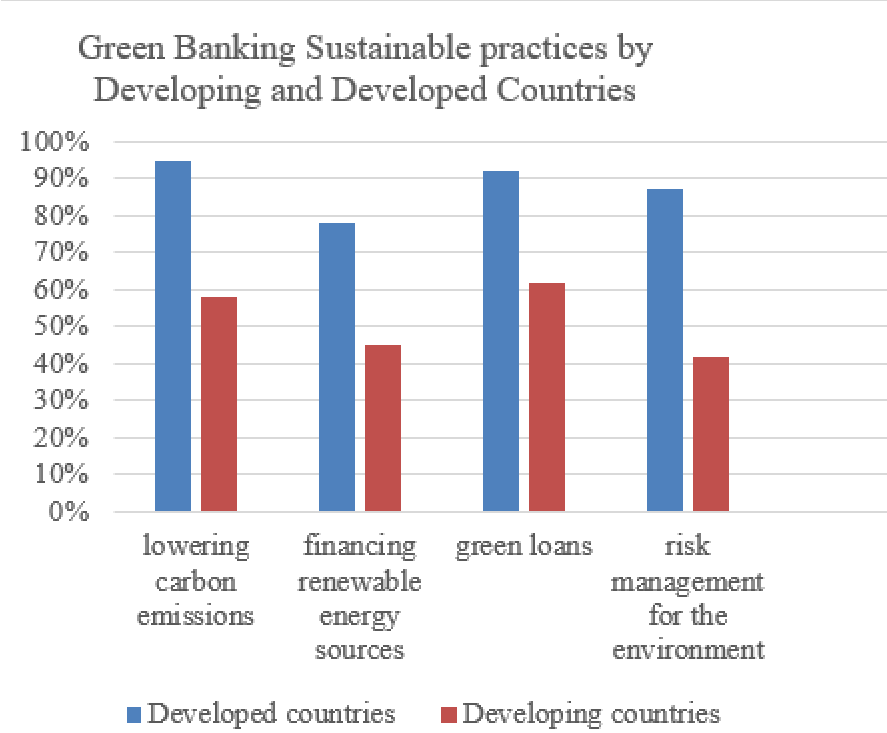
Green Banking Practices	Developed Countries	Developing Countries	Comparative Assessment
Environmental and Social Risk Assessment	High level of implementation and integration	Moderate level of implementation and integration	Developed countries have more extensive integration of environmental and social risk assessment practices.
Green Lending and Financing	Wide range of specialized loan products and favorable terms	Limited availability of green loan products and less favorable terms	Developed countries have more established green lending and financing practices.
Sustainable Investment	Strong focus on sustainable investment and ESG integration	Growing interest in sustainable investment but limited market offerings	Developed countries show higher levels of sustainable investment practices.
Green Bonds and Funds	Active issuance of green bonds and establishment of green funds	Limited presence of green bonds and funds	Developed countries have more established markets for green bonds and funds.
Environmental Management within Banks	Robust environmental management practices and sustainability initiatives	Gradual adoption of environmental management practices	Developed countries exhibit stronger internal environmental management practices.
Stakeholder Engagement and Collaboration	Extensive stakeholder engagement and collaboration with various stakeholders	Limited stakeholder engagement and collaboration	Developed countries demonstrate higher levels of stakeholder engagement and collaboration.
Reporting and Disclosure	Transparent reporting and disclosure practices	Limited reporting and disclosure requirements	Developed countries have more comprehensive reporting and disclosure practices.

Table 2: Comparative Analysis of Regulatory Frameworks and Financial

Regulatory Frameworks and Financial Incentives	Developed Countries	Developing Countries	Comparative Assessment
Policy Framework	Comprehensive policies supporting green banking initiatives	Emerging policies with a focus on sustainability	Developed countries have more established policy frameworks for green banking.
Tax Incentives	Substantial tax incentives for green investments and projects	Limited tax incentives or their effectiveness needs improvement	Developed countries offer more extensive and effective tax incentives for green banking.
Subsidies and Grants	Well-developed subsidy and grant programs for green projects	Limited availability or effectiveness of subsidies and grants	Developed countries have more robust subsidy and grant programs for green banking initiatives.
Preferential Loan Terms	Preferential interest rates and terms for green loans	Limited availability or less favorable terms for green loans	Developed countries provide more favorable loan terms to promote green banking practices.

This chart shows the percentage of green banking practices to show sustainable measures implemented in developed and developing countries. It provides a comparative analysis of the use and extent of these measures in two national sectors relevant to green financing practices in different countries.

Figure 1: Green Banking Sustainable Practices by Developed and Developing Countries



3.2. QUANTITATIVE ANALYSIS

Statistical techniques completed used to analyses the quantitative data that was gathered. The data completed be summarized, and patterns and trends in green banking practices and their effects completed be found using descriptive statistics. To find significant differences, a comparison of industrialized and developing nations completed be made using the relevant statistical methods. Regression analysis can also be used to investigate the connections between stakeholder participation, financial incentives, regulatory frameworks, and the success of green banking practices.

Table 3: Demographic information of respondents

Demographic Characteristic	Developed Countries (n=200)	Developing Countries (n=200)
Gender		
- Male	110 (55%)	120 (60%)
Female	90 (45%)	80 (40%)
Age Group		
- 20-30 years	40 (20%)	60 (30%)
- 31-40 years	60 (30%)	50 (25%)
-41-50years	70 (35%)	60 (30%)
- 51+ years	30 (15%)	30 (15%)
Occupation		
- Banking/Finance	80 (40%)	60 (30%)
- Government	40 (20%)	50 (25%)
- NGO/Non-profit	30 (15%)	40 (20%)
- Academic/Research	30 (15%)	30 (15%)
- Other	20 (10%)	20 (10%)

Table 3 presents the demographic information of the respondents participating in the research study. Respondents are classified according to their geographical location (developed and developing countries) and various demographic characteristics, including gender, age group, and occupation. The table presents the breakdown of the number and percentage of respondents within each category.
The table 4 shows the existed significant relationship between the green banking practice and Lowering Carbon Emissions, Financing Renewable Energy Sources, Green Loans, Risk Management for the Environment in developing and developed countries. Thus, the null hypothesis is accepted.

Table 4: Correlations of green banking and sustainability metrics

	1	2	3	4	5
Green Banking	-				
Lowering Carbon Emissions	.56**	-			
Financing Renewable Energy Sources	.76**	.89**	-		
Green Loans	.86**	.78**	.76**	-	
Risk Management for the Environment	.49**	.65**	.81**	.46**	-

4. DISCUSSION

Banks conduct environmental and social risk assessments to identify and minimize potential risks associated with their lending and investment activities. As part of this procedure, compliance with laws and international standards is guaranteed, and projects or businesses requesting assistance are also evaluated for their potential effects on the environment and society (Dong et al., 2022). Banks conduct environmental and social risk assessments to identify and minimize potential risks associated with their lending and investment activities. As part of this procedure, compliance with laws and international standards is guaranteed, and projects or businesses requesting assistance are also evaluated for their potential effects on the environment and society (Alsayegh et al., 2020; Amir, 2021). Banks take environmental, social, and governance (ESG) considerations into account when making investment decisions. They might provide investment options that are tailored to companies that exhibit good ESG performance or that support sustainable development objectives (Sahi & Pahuja, 2020). Sustainable investing strategies seek to allocate funds to companies and initiatives that produce favorable social and environmental results. Green bonds, which are debt securities created expressly to finance environmentally beneficial initiatives, are issued by banks (Islam, 2020). Green bonds raise money for projects that contribute to climate change adaptation or mitigation, including renewable energy infrastructure, energy efficiency improvements, and sustainable mobility (Hossain et al., 2020).

The creation of green investment funds by banks is another option for fostering a diverse portfolio of sustainable enterprises. Engaging stakeholders, including regulators, politicians, customers, NGOs, and community organizations, is a key component of green banking practices. Working together with stakeholders enables banks to better understand new sustainability concerns, connect their strategy with stakeholder expectations, and increase operational transparency and accountability (Islam et al., 2020). Banks show their dedication to openness and responsibility by publishing sustainability reports that reveal their environmental and social performance. These papers detail the bank's efforts related to sustainable finance, its involvement in the community, and its progress in achieving sustainability targets (Jayadatta & Nitin, 2017; Jeucken, 2010). A bank's sustainability performance can be evaluated and decisions can be made by stakeholders with the help of improved reporting and transparency practices. It is significant to note that depending on elements like legal frameworks, consumer demand, and the bank's own sustainability aims, the acceptance and scope of these practices may differ among banks and nations. The research study completed analyses and compare the efficacy of these practices in supporting sustainable development between developed and developing countries (Kaur & Sandhu, 2019).

Studies have looked at how green banking initiatives affect measures of sustainable development. They have looked at how green loans and investments can reduce carbon emissions, how finance for renewable energy can help with the clean energy transition, and the advantages of sustainable lending to industries like agriculture and affordable housing for both the environment and society (Khairunnessa, 202). The goal of implementing green banking practices is to produce beneficial effects on sustainable development (Cheng & Degryse, 2010). The literature offers information on the possible effects of these practices on several sustainability characteristics. The following are some crucial areas where it has been discovered that green banking activities have an impact on sustainable development: Banks conduct environmental and social risk assessments to identify and minimize potential risks associated with their lending and investment activities (Monirul Alam et al., 2018). As part of this procedure, compliance with laws and international standards is guaranteed, and projects or businesses requesting assistance are also evaluated for their potential effects on the environment and society. Initiatives in green banking make it easier to finance renewable energy projects, which increase the use of clean energy sources (Mumtaz & Smith, 2019). Banks aid in accelerating the adoption of renewable energy technologies, such as solar, wind, hydro, and geothermal power, by offering funding, knowledge, and financial products suited to the sector. As a result, there is a diversity of energy sources, a decrease in reliance on fossil fuels, and an improvement in resilience to fluctuations in energy prices (Prakash et al., 2018).

The financing of green infrastructure initiatives, such as resilient urban development, sustainable transportation systems, and green buildings, is mostly a responsibility of banks. Banks assist in the development and operation of infrastructure that reduces resource consumption, encourages energy efficiency, and improves environmental and social sustainability through green loans and investments (Rahman & Rahman, 2020). By supporting programs and companies that cater to the needs of underprivileged groups, green banking efforts can advance social and financial inclusion. Initiatives in sustainable agriculture, microfinance organizations, and social enterprises with a focus on areas like affordable housing, education, healthcare, and small-scale renewable energy solutions may all receive funding from banks. This promotes economic growth, job opportunities, and the reduction of inequities among marginalized groups (Rehman et al., 2021).

5. CONCLUSIONS

In conclusion, this analysis of green banking practices in developed and developing countries aimed to assess the effectiveness of green banking initiatives in promoting sustainable development. The study is extremely helpful to the banking industry in determining the scope of green banking initiatives in sustainable development. This study is to interrelate banking industry towards sustainability and two UN SDGs besides green banking practices of banks. This paper has noted the areas where the banks can make progress for the greener, sustainable economics. It has also aided the banking industry in identifying areas for development so that it may focus on improving social satisfaction and satisfaction of stakeholders across its operating areas. The study is also very helpful for banks to comprehend how vital these green initiatives, especially green processes, are to improve sustainability. These findings highlight the importance of integrating sustainability principles into banking operations and policies to drive sustainable development. They provide valuable insights for policymakers, banking institutions, and stakeholders involved in green banking initiatives, facilitating informed decision-making and the development of effective strategies to promote sustainable development. However, it is important to acknowledge the limitations of this research study. Further research could expand the scope of analysis to include a broader range of countries and stakeholders. Longitudinal studies could also be conducted to assess the long-term impact of green banking initiatives on sustainable development outcomes.

5.1. FUTURE RECOMMENDATION

Exploring innovative financial products and services that incentivize sustainable practices can be an important area of future research. This includes exploring green bonds, impact investment funds, and other financial mechanisms that promote sustainable development while generating financial returns. Future work can explore methodologies for assessing and mitigating risks associated with climate change, biodiversity loss, and social inequalities, enabling banks to proactively manage their environmental and social impacts. This includes knowledge sharing platforms, training programs, and collaboration initiatives that promote the dissemination of best practices and lessons learned across different regions and sectors. Analyzing the effectiveness of existing policies, identifying regulatory gaps, and recommending policy reforms to create an enabling environment for sustainable finance.

5.2. LIMITATIONS AND ETHICAL CONSIDERATIONS

The study's potential drawbacks are acknowledged, including sample size restrictions, data availability and reliability issues, and the subjective character of qualitative data. Through meticulous data collection and analysis techniques, efforts completed be made to assure data quality and reliability. Throughout the research process, ethical considerations completed be observed, including gaining participants' informed consent, safeguarding participant anonymity, and ensuring the responsible and ethical use of data.

A thorough knowledge of the efficiency of green banking initiatives in supporting sustainable development in developed and developing nations completed be possible thanks to the combination of quantitative and qualitative data collection and analysis methodologies and the comparative analysis approach.

REFERENCES

Ahmad, F., Zayed, N. M., & Harun, M. A. (2013). Factors behind the adoption of green banking by Bangladeshi commercial banks. *ASA University Review*, *7*(2).

Mir, A. A., & Bhat, A. A. (2021). Green Banking Practices-A Review in Select Banks of India. *Turkish Online Journal of Qualitative Inquiry*, *12*(10).

Dong, S., Xu, L., & McIver, R. P. (2022). Sustainability reporting quality and the financial sector: evidence from China. *Meditari Accountancy Research*.

Alsayegh, M. F., Abdul Rahman, R., & Homayoun, S. (2020). Corporate economic, environmental, and social sustainability performance transformation through ESG disclosure. *Sustainability*, *12*(9), 3910.

Amir, M. K. (2021). Banker Attitudes and perception towards green banking: an empirical study on conventional banks in Bangladesh.

Bahl, S. (2012). Green banking-The new strategic imperative. *Asian Journal of Research in Business Economics and Management*, *2*(2), 176-185.

Bai, Y. (2011). Financing a Green Future: An examination of China’s banking sector for green finance. *IIIEE Master thesis*.

Bhardwaj, B. R., & Malhotra, A. (2013). Green banking strategies: sustainability through corporate entrepreneurship. *Greener Journal of Business and Management Studies*, *3*(4), 180-193.

Chandra, S. (2010). Green Banking-Towards socially responsible banking in India.

Biswas, D. (2016). A study of conceptual framework on green banking. *Journal of Commerce and Management Thought*, *7*(1), 39-53.

Bukhari, S. A. A., Hashim, F., & Amran, A. (2020). Green Banking: a road map for adoption. *International Journal of Ethics and Systems*, *36*(3), 371-385.

Chandran, S., & Sathiyabama, B. (2020). Designing sustainable banking services: A study of Indian banks. *Corporate Governance and Responsibility*, 113-130.

Sudhalakshmi, K., & Chinnadorai, K. (2014). Green banking practices in Indian banks. *International Journal of Management and Commerce Innovations*, *2*(1), 232-235.

Choudhury, T. T., Salim, M., Al Bashir, M. M., & Saha, P. (2013). Influence of stakeholders in developing green banking products in Bangladesh. *Research Journal of Finance and Accounting*, 67-77.

Das, S. (2018). SBI raises $650 million via green bond issue. *The Economic Times*.

Meena, R. (2013). Green banking: As initiative for sustainable development. *Global Journal of Management and Business Studies*, *3*(10), 1181-1186.

Hossain, M. A., Rahman, M. M., Hossain, M. S., & Karim, M. R. (2020). The effects of green banking practices on financial performance of listed banking companies in Bangladesh. *Canadian Journal of Business and Information Studies*, *2*(6), 120-128.

Islam, M. J. (2020). Sustainability reporting of banking companies in Bangladesh: a study on environmental aspect. *Canadian Journal of Business and Information Studies*, *2*(2), 35-44.

Islam, M. J., Roy, S. K., Miah, M., & Das, S. K. (2020). A review on corporate environmental reporting (CER): an emerging issue in the corporate world. *Can. J. Bus. Inf. Stud*, *2*(3), 45-53.

Jayadatta, S., & Nitin, S. N. (2017). Opportunities, challenges, initiatives and avenues for green banking in India. *International Journal of Business and Management Invention*, *6*(2), 10-15.

Jeucken, M. (2010). *Sustainable finance and banking: The financial sector and the future of the planet*. Routledge.

Kaur, K., & Sandhu, V. (2019). Green Initiatives in Banking Sector: A study of state bank of india (SBI). *ZENITH International Journal of Multidisciplinary Research*, *9*(7), 111-120.

Khairunnessa, F., Vazquez-Brust, D. A., & Yakovleva, N. (2021). A review of the recent developments of green banking in Bangladesh. *Sustainability*, *13*(4), 1904.

Cheng, X., & Degryse, H. (2010). The impact of bank and non-bank financial institutions on local economic growth in China. *Journal of financial services research*, *37*, 179-199.

Monirul Alam, G. M., Alam, K., & Mushtaq, S. (2018). Drivers of food security of vulnerable rural households in Bangladesh: implications for policy and development. *South Asia Economic Journal*, *19*(1), 43-63.

Mumtaz, M. Z., & Smith, Z. A. (2019). Green finance for sustainable development in Pakistan. *IPRI Journal*, *19*(2), 1-34.

Prakash, A., Kumar, K., & Srivastava, A. (2018). Consolidation in the Indian banking sector: Evaluation of sustainable development readiness of the public sector banks in India. *International Journal of Sustainable Strategic Management*, *6*(1), 3-16.

Rahman, M. M., & Rahman, M. S. (2020). Green reporting as a tool of environmental sustainability: some observations in the context of Bangladesh. *Int. J. Manag. Account*, *2*(2), 31-37.

Rehman, A., Ullah, I., Afridi, F. E. A., Ullah, Z., Zeeshan, M., Hussain, A., & Rahman, H. U. (2021). Adoption of green banking practices and environmental performance in Pakistan: A demonstration of structural equation modelling. *Environment, Development and Sustainability*, 1-21.

Sahi, A., & Pahuja, A. (2020). An Empirical study on Effectiveness of Green banking practices in SBI. *Adalya Journal*.

Sarker, M. N. I., Khatun, M. N., & Alam, G. M. (2020). Islamic banking and finance: potential approach for economic sustainability in China. *Journal of Islamic Marketing*, *11*(6), 1725-1741.