

## Environmental Issues in Corporate Financial Reporting

**Mr. Lodikero Oluwasola and Mr. Oriafoh Cyril L**

Department of Accounting

University of Benin.

Benin City

Email: lodikeroolu@gmail.com

DOI: 10.56201/jafm.v10.no9.2024.pg344.354

---

### **Abstract**

*This study explores the complex relationship between Environmental issues and Corporate Financial Reporting. It delves into the challenges companies encounter in quantifying and disclosing their environmental impact within financial statements. Regulatory requirements, stakeholder demands, and the evolving landscape of sustainable finance shape this discourse. It also seeks to examine the current state of environmental issues in corporate financial reporting in Nigeria and will explore the extent to which Nigerian companies disclose information about their environmental performance and impacts in their financial reports, the challenges they encounter in doing so, and the implications for stakeholders. Additionally, the paper will assess the effectiveness of existing regulatory frameworks and international reporting standards in promoting environmental transparency and accountability among Nigerian companies.*

**Keywords.** *Sustainability, Environmental Impacts, Corporate Financial Reporting, Pollution, Financial Performance*

---

### **Introduction**

In recent years, environmental sustainability has emerged as a critical global concern, with growing public awareness and pressure on corporations to address their environmental impacts (Deegan & Rankin, 1996; Cho & Patten, 2007). As a result, the integration of environmental issues into corporate financial reporting has become an increasingly important topic for both academics and practitioners. According to the Intergovernmental Panel on Climate Change (IPCC), global temperatures have increased by 0.85°C from 1880 to 2012, and it is expected to rise further. This has led to an increasing recognition of the importance of environmental issues as a business risk (IPCC, 2014). There is a need to address these environmental issues from a financial perspective as they can have a significant impact on investment decisions (Clark, Feiner, & Viehs, 2015).

Corporate financial reporting serves as a crucial tool for stakeholders to assess the financial performance and sustainability of companies. However, in recent years, there has been a growing recognition of the need to integrate environmental considerations into financial reporting practices. This recognition stems from the escalating environmental challenges facing the world, including climate change, pollution, and resource depletion, which have significant implications for businesses. In Nigeria, a developing country with a burgeoning economy, environmental issues have become increasingly salient due to rapid industrialization and urbanization. Consequently,

there is a pressing need to examine how Nigerian companies address environmental issues in their financial reporting practices. Additionally, the global trend towards sustainable finance and responsible investment has further emphasized the importance of environmental disclosure in financial reporting (Adeniyi&Uwuigbe, 2019). Investors are increasingly considering environmental factors when making investment decisions, recognizing that environmental issues can pose financial risks and affect long-term profitability.

The integration of environmental issues into corporate financial reporting in Nigeria is influenced by various factors, including regulatory requirements, stakeholder expectations, and international standards. The Nigerian government has enacted environmental laws and regulations aimed at promoting sustainable development and environmental protection. These regulations mandate companies to disclose information about their environmental performance and impacts in their financial reports (ArunmaOteh, 2016).

Furthermore, stakeholders, including investors, customers, and civil society organizations, are increasingly demanding greater transparency and accountability regarding companies' environmental practices. They recognize that environmental issues can have significant financial implications for businesses, affecting their long-term viability and profitability. As a result, companies are under growing pressure to disclose accurate and comprehensive information about their environmental risks, opportunities, and performance (OladimejiOjo, 2019).

Moreover, the adoption of International Reporting Standards, such as the Global Reporting Initiative (GRI) and the Sustainability Accounting Standards Board (SASB) standards, has also influenced the integration of environmental issues into corporate financial reporting in Nigeria. These standards provide guidelines and frameworks for companies to report on their environmental impacts and sustainability practices in a consistent and comparable manner (Nwagwu, 2018).

In light of these developments, this paper aims to explore the current state of environmental issues in corporate financial reporting in Nigeria. It will examine the extent to which Nigerian companies disclose information about their environmental performance and impacts in their financial reports, the challenges they face in doing so, and the implications for stakeholders. Additionally, the paper will assess the effectiveness of existing regulatory frameworks and international reporting standards in promoting environmental transparency and accountability among Nigerian companies.

### **Concept of Environmental Issues**

Environmental issues refer to challenges arising from human activities that adversely impact the environment, endangering ecosystems and the well-being of both present and future generations (Boyle & Ardill, 2020). These issues encompass various interconnected problems, including but not limited to deforestation, air and water pollution, loss of biodiversity, habitat destruction, and climate change.

One of the most pressing environmental issues is climate change, driven primarily by the emission of greenhouse gases from activities such as burning fossil fuels and deforestation (IPCC, 2018).

Climate change leads to rising global temperatures, altering weather patterns, melting ice caps, and causing extreme weather events, posing significant threats to ecosystems, economies, and human health.

Moreover, pollution, whether it's air, water, or soil pollution, poses severe risks to environmental and human health (Reis et al., 2019). Industrial activities, agricultural practices, and urbanization contribute to the release of pollutants into the environment, leading to contamination of air, water bodies, and soil, with detrimental effects on ecosystems and biodiversity.

The loss of biodiversity is another critical environmental concern, with species extinction rates at an alarming high due to habitat destruction, pollution, overexploitation, and invasive species (Dirzo et al., 2014). Biodiversity loss not only disrupts ecosystem functioning but also diminishes the resilience of ecosystems to environmental stressors, jeopardizing their ability to provide essential services such as clean air, water, and food.

The clearing of forests for various purposes such as agriculture, urbanization, and resource extraction, is a significant environmental issue. It leads to the loss of biodiversity, disruption of the carbon cycle, and increased soil erosion (Food and Agriculture Organization [FAO], 2020). Deforestation is particularly concerning in regions like the Amazon rainforest, which play a crucial role in regulating the global climate.

The overexploitation and unsustainable use of natural resources, such as fossil fuels, minerals, and freshwater, is another significant environmental issue. This depletion of resources can lead to scarcity, economic disruptions, and conflicts over access to these resources (United Nations, 2015).

In addressing these environmental issues, a multifaceted approach is required, involving policy changes, technological innovations, and individual behavioral modifications. Collaboration among governments, businesses, and civil society is crucial to develop and implement effective solutions to protect the environment and ensure a sustainable future for all.

### **Concept of Corporate Financial Reporting**

Corporate financial reporting is the process of preparing and disseminating financial information and statements to external parties, such as investors, creditors, regulators, and the public, with the aim of providing relevant and reliable information for making informed economic decisions. Damiani, Ricciardi, & Russo, (2020) states that "Corporate financial reporting is a process of disclosing financial and non-financial information to stakeholders, such as shareholders, investors, and regulators, to enable them to make informed decisions about the company's performance and prospects." According to Financial Accounting Standards Board (FASB) (2018) financial reporting "provides information that is useful to present and potential equity investors, lenders, and other creditors in making decisions in their capacity as capital providers."

Kieso, Weygant, and Warfield (2019), opined that corporate financial reporting is governed by Generally Accepted Accounting Principles (GAAP) in the United States, or International Financial Reporting Standards (IFRS) in many other parts of the world. These standards ensure consistency, comparability, and reliability in financial reporting across companies and industries. Bushman &

Smith, (2001) states that "corporate financial reporting provides transparency into the financial health and performance of a company, allowing stakeholders such as investors, creditors, and regulatory authorities to hold the management accountable for their decisions and actions". Accurate and timely financial reporting enables stakeholders to make informed decisions regarding investment, lending, or business partnerships (Healy & Palepu, 2001). Financial reporting is often mandated by regulatory bodies, such as the Securities and Exchange Commission (SEC) in the United States, to ensure compliance with accounting standards and disclosure requirements (Kothari & Zimmerman, 1995). Also, Reliable and transparent financial reporting helps to build investor confidence, which is crucial for attracting capital and maintaining a healthy stock market (Bushman & Smith, 2001). According to Healy & Palepu (2001) financial reports provide a comprehensive view of a company's financial performance, enabling stakeholders to assess its profitability, liquidity, and solvency. Moreover, information provided Financial reporting helps in the efficient allocation of resources within the organization and across the economy (Kothari & Zimmerman, 1995). Finally, it helps identify and prevent fraudulent activities, contributing to the overall integrity of the financial system (Bushman & Smith, 2001).

### **Environmental Issues in Corporate Financial Reporting**

Over the years, there has been a growing concern about the impact of human activities on the environment and the need for sustainable practices to protect and preserve the ecosystem. One way to address this concern is through corporate financial reporting, which involves disclosing the environmental impact of a company's activities.

However, there are several challenges in incorporating environmental issues into corporate financial reporting. These challenges include the lack of uniformity in ESG disclosure standards, the difficulty in quantifying environmental impact in financial terms, and the potential for greenwashing or misrepresentation of ESG performance (Plastun, Stepanenko, & Sysoieva, 2019).

### ***Lack of Uniformity in ESG Disclosure Standards***

ESG disclosure standards are used to encourage companies to report their environmental, social, and governance performance in a transparent and standardized way. However, one of the major criticisms of ESG disclosure standards is the lack of uniformity across different reporting frameworks, resulting in a lack of comparability and reliability of environmental reporting (Kang et al., 2016). The issue of lack of uniformity in ESG reporting is primarily attributed to the existence of multiple reporting frameworks that differ in their scope, measurement, and reporting requirements (Hawn & Ioannou, 2016). For example, the Global Reporting Initiative (GRI) and the Sustainability Accounting Standards Board (SASB) frameworks have different scopes and measurement criteria, making it difficult for stakeholders to compare and assess the environmental performance of companies using these frameworks. According to a survey by the International Integrated Reporting Council (IIRC), 75% of investors found that the absence of a common ESG reporting standard or guideline posed a significant barrier to making informed investment decisions (IIRC, 2015). This highlights the need for a harmonized and standardized ESG reporting framework to improve the consistency and comparability of environmental reporting. Despite the lack of uniformity in ESG reporting standards, some initiatives have been taken to address this issue. For example, the Task Force on Climate-related Financial Disclosures (TCFD) was

established in 2015 to develop a standardized framework for disclosing climate-related risks and opportunities by companies (TCFD, 2017). The TCFD recommendations provide investors and stakeholders with a consistent and comparable way of assessing the climate-related risks and opportunities of companies.

### ***Quantifying Environmental Impacts in Financial Terms***

There are numerous challenges in quantifying environmental impacts in financial terms. One common criticism is that environmental damage is often immeasurable, and thus, resorting to financial impacts alone is an incomplete way of assessing costs and benefits (Kallis, Gómez-Baggethun, & Zografos, 2013). Environmental impacts may have long-term effects and indirect impacts that are difficult to measure and forecast accurately (Adams & Larrinaga-González, 2007). Financial analysis is usually focused on short-term gains but environmental impacts often manifest over a longer period. For instance, the impacts of climate change may span several decades, making it challenging to estimate the true cost of current actions or inaction. Moreover, assigning a monetary value to environmental effects is often subjective and can vary significantly depending on the perspective and interests of different stakeholders. Monetary values can be highly contested and prone to manipulation by those who are seeking to justify their actions (Bond, 2015).

### ***Green washing or Misrepresentation of ESG Performance***

Green washing occurs when companies make false or misleading claims about their environmental credentials. They may exaggerate the positive impacts of their activities or products, or downplay negative impacts. This can mislead consumers and investors, who may assume that a company is more sustainable than it actually is. Green washing can damage a company's reputation and risk legal action for false or deceptive advertising (Sachs, 2019). In addition to green washing, misrepresentation of ESG performance in environmental issues occurs when companies use incomplete or inaccurate data to report their environmental impacts. For example, a company may report only its emissions from direct operations, while ignoring emissions from its supply chain. This can give an incomplete picture of a company's environmental impact and lead to overestimation of its sustainability (Walsh, 2019). Furthermore, companies may use ambiguous or vague language to describe their environmental performance, making it difficult to assess their sustainability. For example, a company may claim to be 'going green' without specifying how it will reduce its environmental impact. This can make it difficult for consumers and investors to make informed decisions about a company's sustainability (Gillenwater, 2014).

Addressing these challenges requires the development of consistent ESG disclosure frameworks, the use of technology and data analytics to facilitate ESG reporting, and the integration of ESG factors into investment analysis and decision-making (Damiani, Ricciardi, & Russo, 2020).

### **Environmental Disclosure in Nigeria**

Several studies have shed light on the current state of environmental issues in corporate financial reporting in Nigeria. For example, research by Olibe and Emeni (2017) examined the environmental disclosure practices of Nigerian listed companies. They found that while there was evidence of some level of environmental disclosure, it tended to be limited and lacking in depth.

The study highlighted the need for greater transparency and consistency in environmental reporting among Nigerian companies. Another study by Onyuka and Odhiambo (2019) focused on the determinants of environmental disclosure in Nigerian listed firms. They found that factors such as firm size, profitability, and ownership structure influenced the level of environmental disclosure. Larger and more profitable companies were generally found to disclose more information about their environmental performance.

However, despite these studies indicating some level of environmental disclosure among Nigerian companies, challenges remain. For instance, inadequate regulatory frameworks and enforcement mechanisms may contribute to a lack of standardized reporting practices (Olibe&Emeni, 2017). Additionally, limited awareness and understanding of the importance of environmental reporting among companies and stakeholders may hinder progress in this area. Efforts are underway to address these challenges and improve environmental reporting practices in Nigeria. For example, the Nigerian Stock Exchange (NSE) has introduced sustainability reporting guidelines to encourage listed companies to disclose their environmental and social impacts alongside financial performance (BusinessDay, 2020). However, the effectiveness of such initiatives in driving meaningful change in corporate environmental reporting remains to be seen. While there is evidence of some level of environmental disclosure among Nigerian companies, there are still significant challenges to overcome. Further efforts are needed to enhance regulatory frameworks, raise awareness, and promote consistent and transparent reporting practices to fully integrate environmental issues into corporate financial reporting in Nigeria.

### **Quantifying and Disclosing Environmental Impact in Financial Reporting in Nigeria**

Quantifying and disclosing environmental impact in financial reporting can be challenging for companies, especially in developing countries like Nigeria where reporting standards are not well established (Iliyasu & Ma'allah, 2019). One of the key challenges is the lack of standardized guidelines for measuring and reporting environmental impact. Companies often rely on their own estimations, which can result in inconsistencies and inaccuracies in reporting (Enahoro & Okpako, 2017). Another challenge is the cost associated with data gathering and analysis, measuring and reporting environmental impact often requires additional resources and expertise that companies may not have, especially for small and medium-sized enterprises (SMEs) with limited resources (Deloitte, 2020). The cost of implementing environmental management systems or conducting environmental audits, for example, can be significant for companies (Osaretin & Adeleke, 2020).

In their study, Eccles & Krzus, (2010) states that determining which environmental impacts are material and relevant to a company's financial performance can be challenging. Companies must balance the need to provide comprehensive environmental information with the need to focus on the most significant and financially relevant impacts. Environmental impact encompasses various aspects such as greenhouse gas emissions, water usage, and waste generation, each requiring different measurement methodologies and metrics (KPMG, 2019). Moreover, companies may be reluctant to disclose negative environmental impacts for fear of damaging their reputation or losing customers. This could lead to underreporting or selective reporting of environmental impacts, which would provide incomplete information to stakeholders (Dondofema et al., 2018). Companies

can overcome these challenges by seeking guidance from relevant authorities, improving data management systems, and embracing sustainability reporting as part of their corporate culture.

## **Theoretical Review**

### **Accounting Theory**

The theory underpinning this study is the accounting theory formulated by a combination of scholars, researchers, accounting professionals, standard-setting bodies, and regulatory authorities, as it provides a conceptual framework for understanding why environmental disclosure is important in financial reporting and how it contributes to the overall objectives of financial information. By applying accounting theory principles such as relevance, reliability, materiality, entity theory, stewardship, and decision usefulness, companies can effectively integrate environmental information into their financial reporting practices to meet the needs of stakeholders and enhance transparency and accountability, assessments of company's financial performance, risk exposure, and long-term sustainability

## **Summary and Conclusion**

### ***Summary***

The significance of environmental management has become a critical concern for organizations in recent times. As such, there have been growing demands for companies to disclose their environmental performance and impact in their financial reports. However, there are various challenges that companies face in disclosing such information in their financial reports. These challenges include the lack of standardized guidelines for measuring and reporting environmental impact, the high cost associated with data gathering and analysis, and the reluctance to disclose negative environmental impact.

Environmental issues in corporate financial reporting can be summarized as follows:

1. **Environmental Liabilities and Contingencies:** Companies are required to disclose any environmental liabilities or contingencies that may have a significant impact on their financial performance. This includes the costs of environmental remediation, fines, and penalties (Deegan, 2014).
2. **Environmental Expenditures:** Companies must report their environmental expenditures, such as those related to pollution control, waste management, and environmental protection. These expenditures can have a significant impact on a company's financial performance (Cho & Patten, 2013).
3. **Environmental Performance Indicators:** Companies are increasingly expected to report on their environmental performance, such as greenhouse gas emissions, energy consumption, and waste generation. This information can be used by stakeholders to assess a company's environmental impact (Hahn & Lülfs, 2014).
4. **Environmental Accounting and Reporting Standards:** There is a growing need for standardized environmental accounting and reporting frameworks to ensure consistency and comparability

across companies. This includes initiatives such as the Global Reporting Initiative (GRI) and the Sustainability Accounting Standards Board (SASB) (Eccles & Krzus, 2014).

Despite these challenges, companies can overcome them by seeking guidance from relevant authorities, improving their data management systems, and embracing sustainability reporting as part of their corporate culture. By doing so, companies will enhance their reputation and brand image, attract investors, and gain customers' trust and loyalty.

### **Conclusion**

Environmental issues in corporate financial reporting are becoming increasingly important as stakeholders demand greater transparency and accountability from businesses. Companies must disclose their environmental liabilities, expenditures, and performance indicators to demonstrate their commitment to environmental sustainability. The development of standardized environmental accounting and reporting frameworks can help to ensure that this information is reported consistently and accurately. By addressing environmental issues in their financial reporting, companies can enhance their reputation, mitigate risks, and contribute to the overall sustainability of the business environment.

In conclusion, it is imperative for organizations to prioritize environmental management reporting in their financial statements as it is an essential strategy for creating a sustainable future. Therefore, companies should take ownership of their impact on the environment, go beyond compliance requirements, and strive to integrate environmental sustainability into organizational decision-making processes.

### **References**

- Adams, C. A., & Larrinaga-González, C. (2007). Engaging with organisations in pursuit of improved sustainability accounting and performance. *Accounting, Auditing & Accountability Journal*, 20(3), 333-355.
- Adeniyi, O., &Uwugbe, O. (2019). "Corporate Environmental Reporting and Financial Performance of Quoted Firms in Nigeria." *Journal of Business and Management*.
- ArunmaOteh. (2016). "Corporate governance and environmental disclosure: Nigerian listed firms experience." *Journal of Business Ethics*.
- Bond, S. (2015). Sustainability reporting and accounting: an overview. *Sustainability Accounting and Accountability*, 1-19.
- Boyle, G., &Ardill, A. (2020). "Environmental Science for a changing world" W.H. Freeman.
- Bushman, R. M., & Smith, A. J. (2001). Financial accounting information and corporate governance. *Journal of Accounting and Economics*, 32(1-3), 237-333.



- BusinessDay. (2020). NSE launches sustainability disclosure guidelines. Retrieved from <https://businessday.ng/corporate-social-responsibility/article/nse-launches-sustainability-disclosure-guidelines/>
- Cho, C. H., & Patten, D. M. (2007). The role of environmental disclosures as tools of legitimacy: A research note. *Accounting, Organizations and Society*, 32(7-8), 639-647.
- Clark, G., Feiner, A., & Viehs, M. (2015). From the stockholder to the stakeholder: How sustainability can drive financial outperformance. University of Oxford.
- Damiani, M., Ricciardi, R., & Russo, B. (2020). The role of sustainability reporting and corporate social responsibility in modern business. *Sustainability*, 12(4), 1462.
- Deegan, C., & Rankin, M. (1996). Do Australian companies report environmental news objectively? An analysis of environmental disclosures by firms prosecuted successfully by the Environmental Protection Authority. *Accounting, Auditing & Accountability Journal*, 9(2), 50-67.
- Deloitte. (2020). "Environmental, Social, and Governance Disclosures: Challenges and opportunities for growth." Deloitte Insights. Retrieved from <https://www2.deloitte.com/us/en/insights/economy/environmental-social-governance-disclosures.html>
- Dondofema, F., Oyelola, O. T., & Mukoro, D. O. (2018). Disclosure of environmental information in corporate reports of listed firms: Evidence from Nigeria. *Journal of Cleaner Production*, 197, 969-978.
- Eccles, R. G., & Krzus, M. P. (2010). *One report: Integrated reporting for a sustainable strategy*. John Wiley & Sons.
- Enahoro, J. A., & Okpako, E. F. (2017). Environmental accounting and reporting by Nigerian oil and gas companies: Issues and challenges. *International Journal of Economics, Commerce and Management*, 5(3), 67-79.
- Financial Accounting Standards Board. (2018). *Conceptual Framework for Financial Reporting*. Norwalk, CT: FASB.
- Food and Agriculture Organization. (2020). *Global Forest Resources Assessment 2020: Key findings*. <https://www.fao.org/3/ca9825en/ca9825en.pdf>
- Gillenwater, M. (2014). The trouble with greenwash. *Environmental finance*, 38-42.
- Hahn, R., & Lülfs, R. (2014). Legitimizing negative aspects in GRI-oriented sustainability reporting: A qualitative analysis of corporate disclosure strategies. *Journal of Business Ethics*, 123(3), 401-420.
- Hawn, O., & Ioannou, I. (2016). Mind the gap: The interplay between external and internal actions in the case of corporate social responsibility. *Academy of Management Journal*, 59(3), 1175-1201.

- Healy, P. M., & Palepu, K. G. (2001). Information asymmetry, corporate disclosure, and the capital markets: A review of the empirical disclosure literature. *Journal of Accounting and Economics*, 31(1-3), 405-440.
- Iliyasu, A. Z., & Ma'allah, M. M. (2019). Environmental reporting practices by Nigerian listed companies: A content analysis. *Journal of Accounting and Finance in Emerging Economies*, 5(2), 166-178.
- International Integrated Reporting Council (IIRC). (2015). The investment case for integrated reporting. Retrieved from [https://integratedreporting.org/wp-content/uploads/2015/02/White Paper The Investment Case for Integrated Reporting.pdf](https://integratedreporting.org/wp-content/uploads/2015/02/White_Paper_The_Investment_Case_for_Integrated_Reporting.pdf)
- Intergovernmental Panel Climate Change. (2014). Climate change 2014: Synthesis report. IPCC.
- Intergovernmental Panel Climate Change. (2018). "Global Warming of 1.5°C. An IPCC Special Report on the impact of global warming of 1.5°C above pre-industrial levels and related global greenhouse gas emission pathways, in the context of strengthening the global response to the threat of climate change, sustainable development, and efforts to eradicate poverty. Retrieved from <https://www.ipcc.ch/sr15/>
- Kallis, G., Gómez-Baggethun, E., & Zografos, C. (2013). To value or not to value? That is not the question. *Ecological Economics*, 94, 97-105.
- Kang, J., Lee, S., & Huh, C. (2016). Environmental, social, and governance criteria and corporate financial performance: A literature review. *Sustainability*, 8(3), 206.
- Kieso, D. E., Weygandt, J. J., & Warfield, T. D. (2019). *Intermediate accounting* (17th ed.). Wiley.
- KPMG. (2019). "Measuring up: How to communicate sustainability performance." KPMG International Cooperative. Retrieved from <https://home.kpmg/xx/en/home/insights/2019/12/measuring-up.html>
- Kothari, S. P., & Zimmerman, J. L. (1995). Price and return models. *Journal of Accounting and Economics*, 20(2), 155-192.
- Nwagwu, N. (2018). "Corporate environmental disclosure practices in Nigeria: A content analysis of financial annual reports." *Journal of Accounting and Auditing: Research & Practice*.
- Li, Y., & Zheng, X. (2020). Environmental performance and corporate financial reporting: Evidence from China. *Sustainability*, 12(18), 7485.
- OladimejiOjo. (2019). "Environmental accounting and reporting practices in Nigeria: Evidence from listed companies." *International Journal of Business and Social Science*.

- Olibe, A. O., & Emeni, F. K. (2017). Corporate environmental disclosure practices of Nigerian listed firms: A study of the banking sector. *International Journal of Environmental Science and Development*, 8(6), 427-432.
- Onyuka, K. A., & Odhiambo, N. M. (2019). Determinants of environmental disclosure in Nigerian listed firms. *Journal of Accounting and Auditing: Research & Practice*, 2019, 1-10.
- Osaretin, A. J., & Adeleke, A. (2020). Environmental reporting in Nigerian banks: Key themes, challenges and prospects. *Environmental Science and Pollution Research*, 27(24), 30535-30547.
- Plastun, O., Stepanenko, I., & Sysoieva, S. (2019). Environmental reporting practices: Evidence from Ukrainian companies. *Journal of Environmental Management and Tourism*, 10(6), 1284-1295.
- Reis, S., Morris, G., Fleming, L. E., Beck, S., Taylor, T., White, M., Depledge, M. H., Steinle, S., Sabel, C. E., & Cowie, H. (2019). *Integrating health and environmental impact analysis*. *Public Health* 173, 101-109.
- Sachs, M. (2019). Greenwashing: A review and critique. *Journal of Business Ethics*, 159(3), 787-805.
- Task Force on Climate-related Financial Disclosures (TCFD). (2017). Recommendations of the Task Force on Climate-related Financial Disclosures. Retrieved from <https://www.fsb-tcfd.org/wp-content/uploads/2017/06/FINAL-2017-TCFD-Report-11052018.pdf>
- United Nations. (2015). Transforming our world: The 2030 Agenda for Sustainable Development. <https://sdgs.un.org/2030agenda>
- Walsh, B. (2019). The risks of ESG data misrepresentation. *Environmental Finance*. Retrieved from <https://www.environmental-finance.com/content/analysis/the-risks-of-esg-data-misrepresentation.html>