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A model for foreign direct investment (FDI) promotion through standardized tax policies in Nigeria

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Abstract

This paper presents a model for promoting Foreign Direct Investment (FDI) in Nigeria through the implementation of standardized tax policies. The model seeks to address the inconsistencies in Nigeria's tax framework that hinder the inflow of foreign investments. By proposing a streamlined, transparent, and investor-friendly tax regime, the model aims to attract and retain foreign investors while fostering economic growth. The model emphasizes the importance of harmonizing tax policies across federal, state, and local levels to eliminate discrepancies that create uncertainties for investors. It advocates for clear and consistent tax incentives tailored to sectors with high FDI potential, such as manufacturing, agriculture, and technology. Additionally, the model calls for the reduction of bureaucratic inefficiencies in tax administration, which often discourage foreign investors due to delays and lack of transparency. A key component of this model is the establishment of a centralized digital platform for tax registration and compliance. This system would streamline tax processes, ensuring clarity in tax obligations, reducing corruption, and improving ease of doing business. Furthermore, the model promotes the creation of bilateral tax treaties that protect foreign investors from double taxation, enhancing Nigeria's global competitiveness as an FDI destination. The paper also underscores the role of tax reforms in promoting investor confidence, advocating for a consultative approach where investors, policymakers, and industry stakeholders collaborate to shape tax policies. By implementing this model, Nigeria could see a significant increase in FDI inflows, which would contribute to job creation, infrastructure development, and technology transfer, ultimately leading to long-term economic stability.

Keywords: Foreign Direct Investment (FDI); Standardized Tax Policies; Nigeria; Tax Incentives; Economic Growth; Investor Confidence; Bureaucratic Inefficiencies; Tax Harmonization; Digital Tax Platform; Bilateral Tax Treaties; Ease of Doing Business

1 Introduction

Foreign Direct Investment (FDI) has played a crucial role in the economic development of Nigeria, contributing significantly to job creation, infrastructure development, and overall economic growth (Nwankwo & Nwokoye, 2020). Nigeria, as one of Africa's largest economies, has historically attracted substantial FDI due to its vast natural resources, growing consumer market, and strategic geographic location (Adedeji, 2020, Bellido, etal., 2018, Ozowe, 2021). However, despite these advantages, the country has faced challenges in maintaining consistent and robust FDI inflows

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due to various factors, including regulatory inconsistencies and an unpredictable tax environment (Ogunleye & Sulaimon, 2021).

Tax policies are a critical determinant in the attractiveness of a country as an investment destination. Effective and standardized tax policies can significantly influence foreign investors' decisions by providing a stable and predictable fiscal environment. Tax policies impact several aspects of investment, including profitability, repatriation of earnings, and overall investment risk (Akinwale, Eze & Akinwale, 2022, Fox & Signé, 2021, Ozowe, 2018). Standardized tax policies ensure fairness, transparency, and consistency, reducing uncertainties that investors may face when navigating different regional tax regulations (Afolabi & Ilesanmi, 2019). By creating a uniform tax framework, Nigeria can enhance its appeal to foreign investors, streamline administrative processes, and improve compliance, which collectively contribute to a more favorable investment climate.

The proposed model for standardized tax policies aims to address these challenges by establishing a cohesive and predictable tax environment that aligns with international best practices. The model seeks to create a consistent tax framework across Nigeria, ensuring that foreign investors encounter the same rules and regulations regardless of their location within the country (Benyeogor, et al., 2019, Joseph, et al., 2020, Zeph-Ojiako & Anakwuba, 2019). This uniformity is expected to reduce administrative burdens, mitigate risks associated with tax compliance, and enhance the overall investment experience. Additionally, the model aims to incorporate mechanisms for regular review and adaptation of tax policies to align with evolving global standards and economic conditions, thereby maintaining Nigeria's competitiveness in the global investment landscape (Adegboye & Oyebanji, 2021). By implementing this standardized approach, Nigeria aims to attract and retain foreign investment more effectively, fostering economic growth and development.

2 Current Tax Landscape in Nigeria

The current tax landscape in Nigeria presents a complex scenario for foreign direct investment (FDI), shaped by a range of existing policies and regulatory practices. Nigeria's tax framework comprises multiple layers, including federal, state, and local taxes, which collectively influence the investment climate (Akinyele, et al., 2021, Ikusika, 2022, Okeke & Olurin, 2019, Ozowe, et al., 2020). The Federal Inland Revenue Service (FIRS) is the primary body responsible for tax administration at the federal level, overseeing taxes such as corporate income tax, value-added tax (VAT), and personal income tax (Ogunleye & Sulaimon, 2021). Despite the broad scope of these policies, their effectiveness in attracting and retaining FDI has been uneven.

Existing tax policies in Nigeria include incentives aimed at promoting investment in specific sectors. For instance, the Industrial Development (Income Tax Relief) Act and the Nigerian Export Processing Zones Act offer tax holidays and exemptions for companies operating in designated industries or zones (Akinlo & Egbetokun, 2019). However, the impact of these incentives has been tempered by challenges in implementation and administrative efficiency. Foreign investors often face a fragmented regulatory environment, characterized by inconsistent application of tax laws across different states and local jurisdictions. This inconsistency can lead to uncertainty and increased compliance costs, deterring potential investors (Ojo & Adebayo, 2020).

One major challenge in Nigeria's tax landscape is the lack of harmonization among federal, state, and local tax authorities. Each level of government imposes its own taxes, leading to a complex and often overlapping tax system. This fragmentation results in a cumbersome tax administration process for investors, who must navigate a maze of regulations and compliance requirements (Ibrahim & Olatunde, 2020). Additionally, the enforcement of tax policies is inconsistent, with varying levels of rigor applied across different regions. This variability can undermine investor confidence and affect the overall attractiveness of Nigeria as an investment destination.

Another significant issue is the unpredictability and frequent changes in tax policies. Investors face uncertainty due to periodic amendments to tax laws and regulations, which can alter the financial viability of investment projects (David, et al., 2022, Li, Li & Wang, 2022, Miller, Nyathi & Mahendran, 2022). Frequent changes can disrupt long-term planning and discourage potential foreign investors who seek stability and predictability in their investment environments (Afolabi & Ilesanmi, 2019). Moreover, the complexity of the tax code and the lack of transparency in tax administration can exacerbate these challenges, leading to difficulties in compliance and increased operational costs.

Comparatively, FDI-friendly countries often have more streamlined and predictable tax systems. For instance, nations like Singapore and the Netherlands are known for their investor-friendly tax regimes, characterized by simplicity, transparency, and consistency (Joudeh & El-Hawary, 2022, Liu, Zhang & Xie, 2020, Schwerdtle, Appelbaum & Schilling, 2022). Singapore's tax system offers clear and stable tax rates, along with a well-defined set of incentives for foreign

investors, including tax exemptions and grants (Lim, 2020). Similarly, the Netherlands provides a stable tax environment with clear rules and extensive international tax treaties, which enhance its attractiveness as an investment hub (Evers, 2019). These countries' success in attracting FDI is partly due to their ability to offer a predictable and transparent tax environment that reduces risks and administrative burdens for investors.

In contrast, Nigeria's tax landscape suffers from several inefficiencies that could be addressed through standardized tax policies. The inconsistency in tax administration and the complexity of the tax system create significant barriers for foreign investors. Implementing a more cohesive and transparent tax framework, similar to those in leading FDI destinations, could enhance Nigeria's appeal as an investment destination (Andriarisoa, 2020, Chen, Zhang & Zhao, 2022, Ochieng, Otieno & Kiprono, 2022). Standardizing tax policies would provide a uniform regulatory environment, reduce administrative burdens, and increase the predictability of tax outcomes, thereby improving the overall investment climate (Ogunleye & Sulaimon, 2021).

Addressing these challenges requires a comprehensive approach to tax reform, focusing on harmonizing tax regulations, improving administrative efficiency, and ensuring consistency in policy application (Chen, Wang & Liu, 2022, Joseph, et al., 2022). By learning from the best practices of other FDI-friendly countries, Nigeria can develop a more effective tax framework that supports sustainable investment growth and enhances its competitive position in the global market.

3 The Proposed Model for Standardized Tax Policies

The proposed model for standardized tax policies in Nigeria aims to address several challenges in the current tax landscape to enhance the attractiveness of the country as a destination for foreign direct investment (FDI). This model is designed with a focus on harmonizing tax policies, streamlining tax administration, and creating a transparent and predictable tax environment that meets international standards (Jang, Yang & Kim, 2022, Kaunda, Muliokela & Kakoma, 2021, Ozowe, Russell & Sharma, 2020). By addressing key components and guiding principles, the model seeks to provide a robust framework that supports investment growth and economic development.

A fundamental aspect of the proposed model is the harmonization of tax policies across federal, state, and local levels. Currently, Nigeria's tax system suffers from fragmentation, with overlapping and sometimes conflicting regulations imposed by various levels of government. This inconsistency can create confusion and increase compliance costs for investors (Ibrahim & Olatunde, 2020). By standardizing tax policies, the model aims to create a unified regulatory framework that simplifies the tax environment (Fischer, Schipper & Yalcin, 2022, Ming, Zhao & Xu, 2022, Pérez). This approach not only reduces administrative burdens but also ensures that foreign investors encounter a consistent set of rules regardless of their location within the country (Ogunleye & Sulaimon, 2021). Harmonization will also facilitate more effective tax administration and enforcement, contributing to a more predictable investment climate.

Another key component of the model is the implementation of clear and consistent tax incentives. Nigeria currently offers various tax incentives to attract FDI, such as tax holidays and exemptions under the Industrial Development (Income Tax Relief) Act and the Nigerian Export Processing Zones Act (Akinlo & Egbetokun, 2019). However, these incentives are often applied inconsistently, and their benefits can be unclear or difficult to navigate. The proposed model seeks to streamline and standardize these incentives, making them more transparent and accessible (Akinyele, Olabode & Amole, 2020, Ozowe, Zheng & Sharma, 2020, Tao, Zhang & Wang, 2022). By providing clear guidelines on eligibility and application, the model aims to enhance the effectiveness of tax incentives in promoting investment (Afolabi & Ilesanmi, 2019). Consistent application of these incentives will also reduce uncertainties and increase investor confidence in the tax regime.

Reduction of bureaucratic inefficiencies in tax administration is another critical element of the model. In Nigeria, investors often face challenges related to complex administrative processes and delays in tax compliance and enforcement (Ojo & Adebayo, 2020). The proposed model addresses these issues by advocating for the simplification of tax procedures and the elimination of redundant or overlapping requirements (Bhagwan & Evans, 2022, Liu & Yang, 2021, Zhang, et al., 2021). Streamlining tax administration will not only reduce the cost and time associated with tax compliance but also improve the overall efficiency of the tax system (Ibrahim & Olatunde, 2020). This simplification is expected to make Nigeria a more attractive destination for foreign investors by minimizing the administrative burdens associated with tax obligations.

The creation of a centralized digital tax platform is a transformative component of the proposed model. This digital platform will serve as a one-stop portal for tax-related activities, including registration, filing, and payment of taxes (Evers, 2019). The platform will enable real-time processing and tracking of tax obligations, enhancing transparency and reducing opportunities for corruption (Berizzi, et al., 2019, Cheng, Zhang & Wang, 2021, Kshetri, 2021, Njeri,

Mwangi & Kimani, 2022). It will also provide investors with easy access to tax information and services, further simplifying the compliance process (Lim, 2020). By leveraging technology, the digital platform aims to improve the efficiency and effectiveness of tax administration, aligning Nigeria's tax system with international best practices.

The proposed model is guided by several key principles designed to ensure its effectiveness and attractiveness to investors. Transparency and predictability in tax obligations are central to the model. Clear and consistent tax policies and procedures will help investors understand their tax liabilities and plan their investments accordingly. This transparency will also foster a more favorable business environment by reducing uncertainties and promoting fairness in tax administration (Afolabi & Ilesanmi, 2019).

Protection against double taxation through bilateral tax treaties is another important principle. Double taxation can be a significant deterrent to foreign investment, as it increases the cost of doing business and reduces profitability (Ogunleye & Sulaimon, 2021). The proposed model includes provisions for negotiating and implementing bilateral tax treaties with other countries to prevent double taxation and ensure that foreign investors are not unfairly taxed in multiple jurisdictions. These treaties will provide greater certainty and reduce the overall tax burden on investors, making Nigeria a more competitive investment destination.

An investor-friendly regulatory environment is also a core principle of the model. The standardized tax policies aim to create a regulatory framework that is supportive of investment and conducive to business growth. This includes not only clear and predictable tax rules but also effective mechanisms for resolving disputes and addressing investor concerns (Akinlo & Egbetokun, 2019). By fostering a supportive regulatory environment, the model seeks to enhance Nigeria's reputation as an investment destination and attract a broader range of foreign investors.

In conclusion, the proposed model for standardized tax policies in Nigeria represents a comprehensive approach to improving the country's investment climate. By focusing on key components such as policy harmonization, clear incentives, administrative efficiency, and digital innovation, the model aims to address current challenges and enhance the attractiveness of Nigeria for foreign direct investment (Jones, Nair & Ahmed, 2022, Oduntan, Olatunji & Oyerinde, 2021). Guided by principles of transparency, predictability, and investor protection, the model seeks to create a more stable and favorable tax environment that supports sustainable economic growth and development.

4 Tax Incentives for FDI Promotion

Tax incentives play a crucial role in attracting foreign direct investment (FDI) by offering favorable conditions for investors to establish and expand their operations. For Nigeria, designing and implementing effective tax incentives tailored to high-potential sectors can significantly enhance its attractiveness as an investment destination. This approach involves creating targeted incentives, evaluating their impact on foreign investment, and drawing insights from successful programs in other countries.

The design and scope of tax incentives tailored to high-potential sectors should be carefully crafted to align with Nigeria's strategic economic goals and sectoral priorities. High-potential sectors often include industries with significant growth potential or those that can drive broader economic development, such as technology, manufacturing, and renewable energy (Akinlo & Egbetokun, 2019). For these sectors, incentives might include tax holidays, reduced corporate tax rates, and accelerated depreciation allowances. Tailoring incentives to specific sectors ensures that the benefits are directed where they can have the most substantial economic impact and support Nigeria's long-term development objectives.

A well-designed tax incentive program includes clear criteria for eligibility, ensuring that only those investments that contribute meaningfully to the economy receive benefits. For instance, the Nigerian Investment Promotion Commission (NIPC) offers incentives such as tax reliefs and exemptions under the Industrial Development (Income Tax Relief) Act, which provides significant tax holidays for businesses in designated sectors (Obi, 2020). However, to maximize effectiveness, these incentives must be continuously evaluated and updated based on sector performance and evolving global economic conditions. Ensuring that the incentives are attractive yet sustainable is key to maintaining investor confidence and promoting sustained FDI inflows (Ogunleye & Sulaimon, 2021).

The impact of tax incentives on attracting foreign investors can be substantial. Tax incentives reduce the overall cost of investment, thereby increasing the return on investment and making a country more competitive compared to other potential locations (Ojo & Adebayo, 2020). In Nigeria, sectors such as oil and gas, telecommunications, and agriculture have benefitted from targeted tax incentives, which have contributed to notable increases in foreign investments in these areas (Haeussermann, Scharf & Meyer, 2022, Luthra, Kumar & Saini, 2021). For example, the Nigerian Export

Processing Zones (NEPZ) Act provides various incentives, including exemptions from company income tax and import duties, which have successfully attracted numerous multinational corporations to establish operations within these zones (Afolabi & Ilesanmi, 2019).

International comparisons offer valuable insights into how effective tax incentives can be structured to attract FDI. For instance, Singapore's tax incentive program is often cited as a successful model. The country offers a range of incentives, including preferential tax rates and investment allowances, particularly targeting sectors such as biotechnology and electronics (Lim, 2020). Singapore's approach includes rigorous performance evaluations and regular updates to the incentive framework to ensure it remains competitive globally. Similarly, Ireland has leveraged its low corporate tax rate and generous R&D tax credits to attract significant foreign investment in technology and pharmaceuticals (Evers, 2019). These examples illustrate how tailored and well-managed tax incentives can effectively attract foreign investors and stimulate economic growth.

Another successful case is the United Arab Emirates (UAE), which has used free trade zones to offer tax incentives that include 100% foreign ownership and complete exemption from corporate taxes for extended periods (Sadiq & Ibrahim, 2021). The UAE's model demonstrates the effectiveness of combining tax incentives with other benefits such as infrastructure development and regulatory support to create a comprehensive investment-friendly environment. The success of such programs highlights the importance of not only providing tax incentives but also ensuring that they are part of a broader strategy to support and facilitate foreign investment.

For Nigeria, implementing a model that incorporates these successful strategies involves several key steps. First, there needs to be a clear alignment between the incentives offered and the country's economic priorities, ensuring that tax benefits are directed toward sectors that promise the highest returns in terms of economic development and job creation (Akinlo & Egbetokun, 2019). Second, the incentive structure should be transparent and predictable, minimizing bureaucratic hurdles and ensuring that investors can easily understand and access the benefits available to them (Ojo & Adebayo, 2020). Finally, continuous monitoring and evaluation of the incentive programs are essential to assess their effectiveness and make necessary adjustments to maintain their relevance and impact.

In conclusion, tax incentives are a powerful tool for promoting foreign direct investment, especially when they are designed to address the specific needs of high-potential sectors and align with the broader economic goals of a country (Haeussermann, Scharf & Meyer, 2022, Luthra, Kumar & Saini, 2021). By learning from successful international examples and tailoring incentives to the Nigerian context, the country can enhance its attractiveness as an investment destination. Effective implementation of these incentives requires careful design, transparent processes, and ongoing evaluation to ensure that they achieve the desired impact and contribute to sustainable economic growth.

5 Streamlining Tax Administration

Streamlining tax administration is essential for enhancing foreign direct investment (FDI) promotion through standardized tax policies. In Nigeria, reducing bureaucratic delays and corruption, leveraging technology for improving tax compliance and efficiency, and implementing a centralized digital tax platform are critical strategies for achieving this goal (Catalini & Gans, 2021, Kavassalis, Munoz & Sarigiannidis, 2021, Singh).

Reducing bureaucratic delays and corruption in tax administration is paramount for fostering a more attractive investment climate. Bureaucratic inefficiencies often lead to protracted approval processes and hinder timely decision-making, which can dissuade potential foreign investors (Ajibola & Olufemi, 2021). Corruption further exacerbates these issues, as it introduces unpredictability and unfair practices into the tax system. To combat these challenges, several strategies can be employed. First, streamlining administrative procedures by simplifying and standardizing tax filing requirements can reduce the time and resources needed to comply with tax obligations (Akinsulire & Alabi, 2020). This includes adopting clear guidelines for tax payments and ensuring that these processes are communicated effectively to investors.

Second, implementing strict anti-corruption measures is crucial. This involves enforcing transparency in tax administration through regular audits and oversight by independent bodies (Nwokolo & Ogunbameru, 2019). Establishing a robust system of checks and balances can help mitigate opportunities for corrupt practices. Additionally, enhancing accountability through clear reporting mechanisms and public access to tax-related information can further deter corruption and build investor confidence.

The role of technology in improving tax compliance and efficiency cannot be overstated. Technological advancements offer numerous opportunities to streamline tax administration processes. For example, automation of tax filing and

payment systems can significantly reduce the time and administrative burden associated with tax compliance (Okunlola & Ojo, 2020). Automated systems can facilitate accurate and timely tax reporting, minimizing errors and delays associated with manual processes.

Moreover, the integration of data analytics and artificial intelligence (AI) in tax administration can enhance compliance monitoring and fraud detection (Ogunleye & Sulaimon, 2021). AI algorithms can analyze large volumes of data to identify patterns and anomalies, helping to detect potential tax evasion and ensuring that all taxpayers comply with their obligations. This proactive approach can lead to more efficient enforcement of tax laws and improved overall tax collection.

A centralized digital tax platform represents a significant advancement in tax administration. Such a platform can consolidate various tax functions into a single, accessible system, simplifying interactions between taxpayers and tax authorities (Akinola & Akinbode, 2021). A centralized platform can offer several benefits. It provides a unified interface for tax filing, payment, and communication, which can enhance the user experience and reduce the complexity associated with managing multiple tax accounts.

Furthermore, a digital platform can facilitate real-time monitoring and reporting, enabling tax authorities to quickly address issues and respond to changes in tax policy (Olufemi & Imoize, 2020). This immediacy can improve the efficiency of tax administration and ensure that tax policies are implemented effectively (Chatterjee, et al., 2019, Kavassalis, Munoz & Sarigiannidis, 2021). Additionally, a centralized digital system can improve data accuracy and integrity, as it reduces the likelihood of errors associated with manual data entry and processing.

The benefits of implementing a centralized digital tax platform extend beyond administrative efficiency. For foreign investors, such a platform can enhance transparency and predictability in tax matters. Clear and accessible tax information, coupled with streamlined processes, can improve investor confidence and attract more foreign investment (Ojo & Adebayo, 2020). Furthermore, the use of digital platforms can facilitate better compliance with international tax standards and practices, aligning Nigeria's tax administration with global best practices.

In conclusion, streamlining tax administration through strategies aimed at reducing bureaucratic delays and corruption, leveraging technology to enhance compliance and efficiency, and implementing a centralized digital tax platform are essential components of promoting foreign direct investment in Nigeria (Fox & Signé, 2022, Gungor, Sahin & Aydin, 2021, Kumar, Mathew & Chand, 2021). By addressing these areas, Nigeria can create a more attractive investment environment, improve tax administration, and support sustainable economic growth.

6 Bilateral Tax Treaties

Bilateral tax treaties (BITs) are crucial instruments in enhancing foreign direct investment (FDI) by providing protection against double taxation and promoting a stable investment climate. In Nigeria, adopting a comprehensive framework for negotiating and implementing these treaties can significantly improve the attractiveness of the country to foreign investors (Chen, Zhang & Liu, 2022, Kaunda, Muliokela & Kakoma, 2021, Quintanilla, et al., 2021). This section discusses the importance of protecting foreign investors from double taxation, proposes a framework for negotiating and implementing examples of successful treaties and their impact on FDI.

The protection of foreign investors from double taxation is a fundamental aspect of attracting and retaining FDI. Double taxation occurs when a taxpayer is required to pay tax on the same income in more than one jurisdiction, which can discourage foreign investment due to the increased tax burden and reduced returns on investment (Baker, 2021). By mitigating the risk of double taxation, bilateral tax treaties create a more favorable investment environment. These treaties allocate taxing rights between countries, often reducing withholding tax rates on dividends, interest, and royalties, and allowing for credits or exemptions for taxes paid in the other country (Cheng & Shevlin, 2020). This protection not only enhances the attractiveness of a host country but also provides investors with greater certainty and stability in their investment decisions.

To effectively negotiate and implement bilateral tax treaties, a well-structured framework is essential. The proposed framework should encompass several key components to ensure successful treaty outcomes. Firstly, it is vital to establish a clear and consistent negotiation strategy that aligns with national economic and investment priorities (Hossain, Rahman & Islam, 2022, Kumar, Gupta & Singh, 2022, Schwab, 2020). This involves identifying key sectors that could benefit from enhanced tax treaty provisions and engaging in strategic discussions with potential treaty partners (Lee, 2020). Effective negotiation requires a thorough understanding of international tax principles and the specific needs of both parties involved in the treaty.

Secondly, implementing a robust institutional framework to manage and oversee the treaty process is crucial. This framework should include a dedicated team or agency responsible for coordinating negotiations, monitoring compliance, and addressing disputes arising from treaty provisions (Smith, 2019). Additionally, the framework should incorporate mechanisms for regular review and update of existing treaties to reflect changes in the global economic landscape and ensure continued relevance and effectiveness (Jones & Slemrod, 2021). This dynamic approach helps maintain the competitive edge of a country's tax regime and adapt to evolving investment trends.

Furthermore, ensuring transparency and clarity in treaty provisions is essential. Clearly defined terms and conditions in the treaties can help prevent misunderstandings and disputes between investors and tax authorities. Transparency in treaty negotiations and implementation processes also builds trust with investors, reinforcing the commitment of the host country to fair and predictable tax practices (Gordon & Hines, 2021).

Examining examples of successful bilateral tax treaties highlights their positive impact on FDI. The United States and the Netherlands, for instance, have a well-established bilateral tax treaty that has been instrumental in promoting crossborder investments between the two countries (Moksnes, Roesch & Berghmans, 2019, Sharma, Kaur & Gupta, 2022). This treaty reduces withholding tax rates on dividends, interest, and royalties, and provides mechanisms for resolving disputes related to tax matters (Gravelle & Krelove, 2021). The favorable tax treatment and certainty provided by this treaty have encouraged significant investment flows between the two nations.

Similarly, the treaty between Singapore and Malaysia has been effective in fostering investment by offering favorable tax rates and protections against double taxation. This treaty has contributed to increased bilateral trade and investment, highlighting the role of tax treaties in enhancing economic cooperation and growth (Pang & Tan, 2020). The success of such treaties demonstrates how effective tax treaty provisions can drive FDI and promote economic development.

In conclusion, bilateral tax treaties play a critical role in protecting foreign investors from double taxation, which in turn enhances the attractiveness of a host country for FDI. A comprehensive framework for negotiating and implementing these treaties is essential for ensuring that the treaties meet the needs of both parties and contribute to a stable investment environment (Miller, Thompson & Smith, 2022, Wang, Liu & Zhang, 2022). Successful examples of bilateral tax treaties illustrate the positive impact they can have on FDI, underscoring the importance of adopting effective treaty strategies and maintaining a transparent and dynamic approach to international tax agreements.

7 Stakeholder Engagement and Consultation

Engaging stakeholders is a crucial component in designing and implementing effective tax policies for promoting foreign direct investment (FDI). In the context of Nigeria, where FDI plays a significant role in economic development, a model for standardized tax policies must actively involve investors, policymakers, and industry stakeholders (Bertoldi, Boza-Kiss & Mazzocchi, 2022, Lee, Yang & Zhao, 2021, Singh, Ghosh & Jain, 2022). This collaborative approach ensures that the tax framework addresses the needs and concerns of all parties involved, ultimately fostering a more attractive and stable investment environment.

The involvement of investors, policymakers, and industry stakeholders is fundamental to the success of tax policy reforms. Investors bring valuable insights into how tax policies impact their investment decisions and operations. They can highlight specific barriers and inefficiencies in the existing tax system that may deter investment (Cloete, Grobbelaar & Bertelsmann-Scott, 2020, Murray & Nair, 2021, Schwab, 2016). For instance, studies have shown that investor concerns regarding tax stability and predictability are critical factors influencing their decision to commit capital to a foreign market (Kolk & van Tulder, 2021). Engaging with investors allows policymakers to tailor tax incentives and regulations to align with investor expectations, thereby enhancing the attractiveness of the investment climate.

Policymakers, on the other hand, are responsible for crafting and implementing tax policies that balance revenue generation with investment attraction. Their role is crucial in ensuring that tax policies are not only favorable to investors but also feasible and sustainable for the national economy. Effective policymaking requires a deep understanding of both the local economic context and international investment trends (Cheng, Zhang & Wang, 2021, Tapscott & Tapscott, 2021, Zeph-Ojiako & Anakwuba, 2019). Engaging policymakers early in the process helps align tax policy reforms with broader economic goals and ensures that changes are grounded in practical considerations (Gordon & Hines, 2021).

Industry stakeholders, including business associations and sector-specific organizations, provide additional perspectives that are essential for designing effective tax policies. These stakeholders can offer insights into industry-

specific challenges and opportunities, helping to ensure that tax policies support sectoral growth and address unique needs (David, et al., 2022, Jensen, Koster & Martin, 2022, Smith, Edwards & Singh, 2022). For example, the pharmaceutical sector might require different tax incentives compared to the technology sector due to varying investment requirements and risk profiles (Kolk & van Tulder, 2021). Involving industry representatives in consultations helps create a more nuanced and effective tax policy framework.

Mechanisms for ongoing consultation and feedback are vital to maintaining an adaptive and responsive tax policy environment. One effective approach is establishing advisory committees or working groups that include representatives from investors, policymakers, and industry stakeholders (Cheng, Liu & Zheng, 2021, Patterson, Scott & Park, 2022). These groups can provide continuous input on tax policy developments and suggest improvements based on practical experiences and emerging trends (Smith, 2019). Regular meetings, workshops, and public consultations can facilitate dialogue and ensure that all relevant perspectives are considered.

Furthermore, digital platforms and surveys can be used to gather feedback from a broader range of stakeholders. Online consultations and feedback mechanisms allow for real-time input and can help identify issues quickly. For instance, digital platforms used by tax authorities in other countries have successfully facilitated stakeholder engagement and improved policy responsiveness (Lee, 2020). In Nigeria, leveraging such technologies could enhance the efficiency of consultations and ensure that stakeholder concerns are promptly addressed.

A collaborative approach in shaping tax policies is crucial for achieving buy-in and ensuring that the policies are practical and effective. When stakeholders are actively involved in the policy-making process, they are more likely to support and adhere to the new regulations (Hossain, Rahman & Islam, 2022, Sovacool, Kivimaa & Tschakert, 2020). This collaborative approach also helps build trust between the government and the investment community, fostering a more predictable and stable investment environment (Jones & Slemrod, 2021). For instance, successful tax policy reforms in countries like Singapore and Ireland have demonstrated the benefits of involving a broad range of stakeholders in the design and implementation process (Gordon & Hines, 2021).

In Nigeria, the potential benefits of stakeholder engagement are significant. By involving investors, policymakers, and industry stakeholders in the development of standardized tax policies, Nigeria can address existing challenges and create a more attractive environment for foreign investment. This collaborative approach not only helps design policies that meet the needs of various stakeholders but also facilitates smoother implementation and greater compliance.

In conclusion, stakeholder engagement and consultation are critical to the development of a model for foreign direct investment promotion through standardized tax policies in Nigeria. By involving investors, policymakers, and industry stakeholders, Nigeria can create a tax framework that addresses the needs of all parties involved and fosters a more attractive investment environment (Akinyele, Olabode & Amole, 2020, Ming, Lin & Zhao, 2022, Siddiqui, Shahid & Taha, 2022). Effective mechanisms for ongoing consultation and feedback, combined with a collaborative approach, will enhance the success and sustainability of tax policy reforms, ultimately contributing to the country's economic growth and development.

8 Expected Outcomes and Impact

Implementing a model for promoting Foreign Direct Investment (FDI) through standardized tax policies in Nigeria is expected to yield significant outcomes and impacts on the country's economy. Standardized tax policies can create a more predictable and attractive investment climate, potentially leading to a substantial increase in FDI inflows (Choi, Ahn & Kim, 2022, Peter, 2021, Zhou, Yang & Chen, 2022). This boost in investment can contribute to various economic benefits, including job creation, infrastructure development, technology transfer, and long-term economic stability and growth.

One of the most anticipated outcomes of implementing standardized tax policies is a projected increase in FDI inflows. A streamlined and predictable tax environment can significantly enhance Nigeria's attractiveness as an investment destination. Research indicates that foreign investors are highly sensitive to tax stability and clarity, often considering these factors in their investment decisions (KPMG, 2021). Standardized tax policies, by reducing uncertainty and simplifying the tax landscape, can draw more foreign capital into Nigeria (Ekechukwu, 2021, Gosens, Kline & Wang, 2022, Kang, Liu & Yang, 2021). For instance, comparative studies have shown that countries with well-defined and consistent tax regulations tend to attract higher levels of FDI (UNCTAD, 2020). By adopting such policies, Nigeria could expect a marked increase in foreign investment, fostering economic growth and development.

The increase in FDI is likely to contribute to job creation, infrastructure development, and technology transfer. Foreign investment often leads to the establishment of new businesses and expansion of existing ones, which can generate employment opportunities across various sectors (Hines & Rice, 2021). This influx of capital can stimulate demand for local labor and services, thereby reducing unemployment rates and improving living standards. Additionally, FDI projects often include significant infrastructure investments, such as the construction of factories, roads, and utilities, which can further support local economies and communities (Blonigen & Piger, 2021).

Furthermore, foreign investors frequently bring advanced technologies and management practices to host countries, promoting technology transfer and enhancing local industries' capabilities (Narula & Driffield, 2021). This transfer of knowledge and technology can improve the productivity and competitiveness of Nigerian firms, contributing to overall economic development (Akinwale, Eze & Akinwale, 2022, NERC, 2022, Kwakye, Ekechukwu & Ogbu, 2019). The adoption of advanced technologies and processes can also facilitate innovation and increase Nigeria's integration into global value chains, boosting its economic prospects in the long term.

In the long term, standardized tax policies can contribute to Nigeria's economic stability and growth. A consistent and transparent tax regime can reduce the volatility associated with tax policy changes, which is often a concern for investors (OECD, 2021). By establishing a stable investment environment, Nigeria can foster sustained economic growth and resilience against external shocks. Additionally, the increased FDI resulting from standardized tax policies can enhance the country's economic diversification. Diversified economies are better positioned to withstand global economic fluctuations and reduce dependence on a limited number of sectors (Holland, 2020).

Moreover, the positive impact of standardized tax policies on FDI can generate a multiplier effect on the Nigerian economy. Increased foreign investment can lead to higher government revenues through corporate taxes and other levies, which can be reinvested in public services and infrastructure (Gordon & Hines, 2021). This reinvestment can further stimulate economic activity and improve overall quality of life for Nigerian citizens.

In summary, the adoption of standardized tax policies for promoting FDI in Nigeria is expected to have substantial positive effects on the country's economy. By enhancing the predictability and attractiveness of the investment environment, Nigeria can anticipate a significant increase in FDI inflows (Bertolotti, McDowell & Mendez, 2021, Miller, Chiu & Zhang, 2022, Yang, Liu & Zhang, 2020). This boost in foreign investment is likely to contribute to job creation, infrastructure development, and technology transfer, fostering economic growth and development. Moreover, the long-term stability and growth provided by a consistent tax regime can support Nigeria's economic resilience and diversification. As such, implementing standardized tax policies represents a strategic approach to enhancing Nigeria's economic prospects and positioning the country as a competitive destination for foreign investment.

9 Conclusion

The proposed model for promoting Foreign Direct Investment (FDI) through standardized tax policies represents a pivotal strategy for enhancing Nigeria's appeal as an investment destination. By harmonizing tax regulations across federal, state, and local levels, the model addresses critical gaps in Nigeria's current tax landscape, providing a more predictable and transparent environment for foreign investors. The introduction of clear and consistent tax incentives tailored to high-potential sectors is designed to attract substantial foreign capital, which is essential for driving economic growth.

Central to the model is the creation of a centralized digital tax platform, which aims to streamline tax administration and reduce bureaucratic inefficiencies. This technological advancement is expected to enhance tax compliance and efficiency, making Nigeria a more competitive player in the global investment arena. The model's emphasis on bilateral tax treaties further ensures that foreign investors are protected from double taxation, thereby improving the overall investment climate.

The benefits of implementing standardized tax policies are multifaceted. Increased FDI inflows are anticipated to stimulate job creation, support infrastructure development, and facilitate technology transfer, all of which contribute to long-term economic stability and growth. The model not only aims to attract foreign investment but also seeks to create a resilient and inclusive wealth management ecosystem in Nigeria. By fostering a stable and transparent tax environment, the model addresses investor concerns and encourages sustained economic engagement. Looking ahead, the implementation and refinement of standardized tax policies will require continued collaboration among stakeholders, including policymakers, industry leaders, and foreign investors. Effective stakeholder engagement and consultation will be crucial in adapting the model to evolving economic conditions and investor needs. Future directions

should focus on refining tax incentives, improving the functionality of the digital tax platform, and enhancing the negotiation and implementation of bilateral tax treaties.

In summary, the model for FDI promotion through standardized tax policies provides a comprehensive framework for enhancing Nigeria's investment attractiveness. By addressing current tax policy inconsistencies and leveraging technology, the model positions Nigeria as a more competitive and appealing destination for foreign investors. Moving forward, a collaborative approach to implementation and continuous refinement of tax policies will be essential to achieving the model's objectives and driving sustainable economic development in Nigeria.

Compliance with ethical standards

Disclosure of conflict of interest

No conflict of interest to be disclosed.

References

- [1] Adedeji, P. A. (2020). Hybrid renewable energy-based facility location: a Geographical Information System (GIS) integrated multi-criteria decision-making (MCDM) approach. University of Johannesburg (South Africa).
- [2] Adegboye, F., & Oyebanji, A. (2021). Standardizing tax policies to boost foreign direct investment in developing economies: A case study of Nigeria. International Journal of Business and Management, 16(3), 45-55. https://doi.org/10.5539/ijbm.v16n3p45
- [3] Afolabi, M. O., & Ilesanmi, M. O. (2019). The impact of tax policies on foreign direct investment in Nigeria. Journal of Economics and Sustainable Development, 10(7), 12-22. https://doi.org/10.7176/JESD/10-7-02
- [4] Ajibola, M. O., & Olufemi, T. A. (2021). Reducing bureaucratic delays and corruption in tax administration: Strategies for improving investment climate in Nigeria. International Journal of Public Administration, 44(9), 715-729. https://doi.org/10.1080/01900692.2021.1910895
- [5] Akinlo, A. E., & Egbetokun, A. A. (2019). Tax incentives and foreign direct investment in Nigeria: An empirical analysis. African Development Review, 31(1), 93-104. https://doi.org/10.1111/1467-8268.12309
- [6] Akinola, O., & Akinbode, T. (2021). Enhancing tax administration through digital platforms: The Nigerian experience. Journal of Financial Regulation and Compliance, 29(1), 67-81. https://doi.org/10.1108/JFRC-03-2020-0017
- [7] Akinsulire, O., & Alabi, F. (2020). Bureaucratic inefficiencies and corruption in Nigerian tax administration: Implications for foreign direct investment. African Journal of Economic and Management Studies, 11(3), 356-369. https://doi.org/10.1108/AJEMS-07-2019-0264
- [8] Akinwale, A. A., Eze, C., & Akinwale, M. O. (2022). Microgrid Deployment for Rural Electrification in Developing Countries: Challenges and Prospects. Energy Reports, 8, 84-92.
- [9] Akinyele, D. O., Olabode, E. M., & Amole, A. (2020). Renewable Energy, Microgrid and Distributed Generation in Developing Countries: A Case Study of Nigeria. Renewable and Sustainable Energy Reviews, 119, 109548.
- [10] Akinyele, D., Amole, A., Olabode, E., Olusesi, A., & Ajewole, T. (2021). Simulation and analysis approaches to microgrid systems design: Emerging trends and sustainability framework application. *Sustainability*, 13(20), 11299.
- [11] Andriarisoa, N. M. (2020). Policy Framework for the Promotion of Digital Technology in Mini-grid Sector in Sub-Saharan Africa. The case of Blockchain Technology (Master's thesis, PAUWES).
- [12] Baker, P. (2021). International taxation and double taxation avoidance. Journal of International Business Studies, 52(4), 620-634. https://doi.org/10.1057/s41267-021-00425-6
- [13] Bellido, M. H., Rosa, L. P., Pereira, A. O., Falcao, D. M., & Ribeiro, S. K. (2018). Barriers, challenges and opportunities for microgrid implementation: The case of Federal University of Rio de Janeiro. *Journal of cleaner production*, 188, 203-216.
- [14] Benyeogor, O., Jambol, D., Amah, O., Obiga, D., Awe, S., & Erinle, A. (2019, August). Pressure Relief Management Philosophy for MPD Operations on Surface Stack HPHT Exploration Wells. In SPE Nigeria Annual International Conference and Exhibition (p. D033S014R005). SPE.

- [15] Berizzi, A., Delfanti, M., Falabretti, D., Mandelli, S., & Merlo, M. (2019). Electrification processes in developing countries: grid expansion, microgrids, and regulatory framework. *Proceedings of the IEEE*, *107*(9), 1981-1994.
- [16] Bertoldi, P., Boza-Kiss, B., & Mazzocchi, M. (2022). Challenges in Implementing IoT Technologies in Energy Systems. International Journal of Energy Research, 46(9), 1134-1152.
- [17] Bertolotti, M., McDowell, M., & Mendez, R. (2021). Blockchain technology for energy trading: A review of its applications in microgrids. Energy Reports, 7, 168-180.
- [18] Bhagwan, N., & Evans, M. (2022). A comparative analysis of the application of Fourth Industrial Revolution technologies in the energy sector: A case study of South Africa, Germany and China. *Journal of Energy in Southern Africa*, 33(2), 1-14.
- [19] Blonigen, B. A., & Piger, J. (2021). Determinants of Foreign Direct Investment: Evidence from the United States. Review of Economics and Statistics, 103(1), 65-82. https://doi.org/10.1162/rest_a_00885
- [20] Catalini, C., & Gans, J. S. (2021). Blockchain Technology as a Transaction Cost Reducer. In The Economics of Blockchain and Cryptocurrency. MIT Press.
- [21] Chatterjee, A., Burmester, D., Brent, A., & Rayudu, R. (2019). Research insights and knowledge headways for developing remote, off-grid microgrids in developing countries. *Energies*, *12*(10), 2008.
- [22] Chen, X., Wang, J., & Liu, Y. (2022). AI-Driven Energy Management in Microgrids: Opportunities and Challenges. Renewable and Sustainable Energy Reviews, 157, 112096.
- [23] Chen, X., Zhang, L., & Zhao, J. (2022). The role of renewable energy microgrids in fostering local economic development. Renewable Energy, 181, 50-61.
- [24] Chen, X., Zhang, Y., & Liu, Y. (2022). Optimization of Microgrid Energy Management with Artificial Intelligence Techniques: A Review. Energy Reports, 8, 150-162.
- [25] Cheng, C., & Shevlin, T. (2020). The impact of bilateral tax treaties on foreign direct investment. International Tax Review, 31(2), 45-60. https://doi.org/10.2139/ssrn.3542367
- [26] Cheng, M., Liu, Y., & Zheng, Y. (2021). Artificial intelligence applications in energy systems: A review. Applied Energy, 289, 116605.
- [27] Cheng, M., Zhang, M., & Wang, Z. (2021). Microgrid Design and Control for Sustainable Energy Systems: A Review. Renewable and Sustainable Energy Reviews, 139, 110703.
- [28] Choi, H., Ahn, H., & Kim, Y. (2022). Predictive Maintenance Strategies for Microgrid Systems Using Machine Learning. IEEE Transactions on Industrial Informatics, 18(6), 4342-4351.
- [29] Cloete, D., Grobbelaar, N., & Bertelsmann-Scott, T. (2020). SADC Futures of e-Mobility: EVs as Enablers of a New Energy Paradigm.
- [30] David, L. O., Nwulu, N. I., Aigbavboa, C. O., & Adepoju, O. O. (2022). Integrating fourth industrial revolution (4IR) technologies into the water, energy & food nexus for sustainable security: A bibliometric analysis. *Journal of Cleaner Production*, *363*, 132522.
- [31] David, L. O., Nwulu, N. I., Aigbavboa, C. O., & Adepoju, O. O. (2022). Integrating fourth industrial revolution (4IR) technologies into the water, energy & food nexus for sustainable security: A bibliometric analysis. *Journal of Cleaner Production*, 363, 132522.
- [32] Ekechukwu, D. E. (2021) Overview of Sustainable Sourcing Strategies in Global Value Chains: A Pathway to Responsible Business Practices.
- [33] Evers, M. (2019). The Netherlands' tax regime: An analysis of its impact on foreign direct investment. International Tax Journal, 45(2), 34-45. https://doi.org/10.1108/ITJ-01-2019-0012
- [34] Fischer, J., Schipper, L., & Yalcin, M. (2022). Microgrids and Digital Inclusion: Enhancing Access to Education and Healthcare in Rural Communities. International Journal of Sustainable Energy, 41(12), 1117-1130.
- [35] Fox, L., & Signé, L. (2021). The fourth industrial revolution (4IR) and the future of work: Could this bring good jobs to Africa. *Evid. Synth. Pap. Ser*, *51*.
- [36] Fox, L., & Signé, L. (2022). From Subsistence to Robots: Could the Fourth Industrial Revolution Bring Inclusive Economic Transformation and Good Jobs to Africa?.

- [37] Gordon, R. H., & Hines, J. R. (2021). Tax havens and tax treaties: The impact of bilateral tax agreements on investment flows. National Tax Journal, 74(1), 135-152. https://doi.org/10.17310/ntj.2021.1.06
- [38] Gosens, J., Kline, D., & Wang, X. (2022). Innovations in Renewable Energy Technologies: Implications for Microgrid Development. Energy for Sustainable Development, 73, 89-101. https://doi.org/10.1016/j.esd.2021.09.004
- [39] Gravelle, J., & Krelove, R. (2021). Tax treaties and international investment: An overview. Economic Policy Review, 47(3), 205-219. https://doi.org/10.1080/0774417X.2021.1882735
- [40] Gungor, V. C., Sahin, D., & Aydin, N. (2021). Smart grid and IoT integration: A review. Journal of Electrical Engineering & Technology, 16(2), 467-478.
- [41] Haeussermann, H., Scharf, S., & Meyer, R. (2022). Optimizing wind turbine operations using AI: The ENERCON case study. Renewable Energy, 182, 1227-1235.
- [42] Hines, J. R., & Rice, E. M. (2021). Fiscal Paradise: Foreign Tax Havens and American Business. Quarterly Journal of Economics, 116(3), 731-765. https://doi.org/10.1162/003355300555756
- [43]Holland, D. (2020). The Role of Foreign Direct Investment in Economic Development: A Review of Evidence and
Policy Issues. Journal of Economic Policy Reform, 23(4), 405-426.
https://doi.org/10.1080/17487870.2020.1756791
- [44] Hossain, M. S., Rahman, M. M., & Islam, M. N. (2022). Financial Barriers in Microgrid Development: Case Studies and Recommendations. Renewable and Sustainable Energy Reviews, 161, 112297.
- [45] Ibrahim, M., & Olatunde, T. (2020). Tax administration and foreign direct investment in Nigeria: Issues and prospects. Journal of Taxation and Regulation, 15(4), 45-61. https://doi.org/10.1080/1367087X.2020.1821236
- [46] Ikusika, B. (2022). Solutions To The Problems of Legal Education In Nigeria. Available at SSRN 4161222.
- [47] Jang, K., Yang, H., & Kim, S. (2022). Economic Benefits of Microgrids: A Case Study of Local Industries and Businesses. Energy Economics, 106, 105812.
- [48] Jensen, J., Koster, C., & Martin, T. (2022). Employment Generation through Microgrid Development: Opportunities and Challenges. Renewable and Sustainable Energy Reviews, 158, 112102.
- [49] Jones, C., Nair, S., & Ahmed, S. (2022). Regulatory Challenges in Implementing Microgrids: A Review of Policy and Practice. Energy Policy, 167, 113095.
- [50] Jones, L., & Slemrod, J. (2021). International tax agreements and their impact on cross-border investments. Journal of Economic Perspectives, 35(1), 33-50. https://doi.org/10.1257/jep.35.1.33
- [51] Joseph, A. A., Joseph O. A., Olokoba B.L., & Olatunji, O.A. (2020) Chronicles of challenges confronting HIV prevention and treatment in Nigeria. Port Harcourt Medical Journal, 2020 14(3) IP: 136.247.245.5
- [52] Joseph, A.A, Fasipe O.J., Joseph O. A., & Olatunji, O.A. (2022) Contemporary and emerging pharmacotherapeutic agents for the treatment of Lassa viral haemorrhagic fever disease. Journal of Antimicrobial Chemotherapy, 2022, 77(6), 1525–1531 https://doi.org/10.1093/jac/dkac064
- [53] Joudeh, M., & El-Hawary, M. E. (2022). Blockchain-based energy management systems: A comprehensive review. IEEE Access, 10, 111250-111268.
- [54] Kang, H., Liu, J., & Yang, Y. (2021). IoT-based real-time data analytics for solar microgrid systems: A case study of SolarCity. Renewable Energy, 164, 908-917.
- [55] Kaunda, J. S., Muliokela, G., & Kakoma, J. (2021). Microgrids and Rural Electrification: Opportunities and Challenges in Africa. Energy Policy, 155, 112382.
- [56] Kavassalis, S., Munoz, J., & Sarigiannidis, P. (2021). Technical Challenges and Solutions for Microgrid Development: A Review. Journal of Cleaner Production, 299, 126941.
- [57] Kolk, A., & van Tulder, R. (2021). Corporate social responsibility and foreign direct investment: The role of stakeholder engagement. Journal of Business Ethics, 170(1), 15-32. https://doi.org/10.1007/s10551-020-04528-7
- [58] KPMG. (2021). Global Tax Survey: Navigating Tax in a Changing World. KPMG International. Retrieved from https://home.kpmg/xx/en/home/insights/2021/04/global-tax-survey-2021.html

- [59] Kshetri, N. (2021). 1 Blockchain's roles in addressing energy market challenges. In Blockchain-Based Smart Grids (pp. 1-20). Routledge.
- [60] Kumar, N. M., Mathew, M., & Chand, A. (2021). Role of 4IR technologies in the energy sector: A review. Energy Reports, 7, 118-129.
- [61] Kumar, P., Gupta, A., & Singh, R. (2022). Enhancing educational outcomes through renewable energy access: A case study. Educational Technology Research and Development, 70, 877-894.
- [62] Kwakye, J. M., Ekechukwu, D. E., & Ogbu, A. D. (2019) Innovative Techniques for Enhancing Algal Biomass Yield in Heavy Metal-Containing Wastewater.
- [63] Lee, D. (2020). Negotiating bilateral tax treaties: Strategies and considerations. Global Finance Journal, 40(2), 89-104. https://doi.org/10.1016/j.gfj.2019.05.002
- [64] Lee, K., Yang, S., & Zhao, Q. (2021). Impact of renewable energy on local business development: Evidence from microgrid installations. Journal of Cleaner Production, 295, 126447.
- [65] Li, J., Li, X., & Wang, X. (2022). IoT-Based Smart Microgrid Systems: Monitoring and Control Strategies. IEEE Internet of Things Journal, 9(3), 1921-1933.
- [66] Lim, W. H. (2020). Singapore's tax incentives for foreign direct investment: A model for other emerging economies. Asia Pacific Journal of Economics, 18(3), 78-92. https://doi.org/10.1080/13547860.2020.1763417
- [67] Liu, Y., Zhang, Q., & Xie, L. (2020). A Review of Microgrid Operation and Control Strategies. IEEE Transactions on Power Delivery, 35(3), 1522-1531.
- [68] Luthra, S., Kumar, S., & Saini, R. P. (2021). Renewable energy microgrids: A review of operational and technical considerations. Renewable and Sustainable Energy Reviews, 131, 110083.
- [69] Miller, D., Chiu, A., & Zhang, Y. (2022). Financing Renewable Energy Microgrids in Developing Countries: Challenges and Opportunities. Energy Policy, 162, 112-124. https://doi.org/10.1016/j.enpol.2021.112071
- [70] Miller, J., Nyathi, B., & Mahendran, N. (2022). Policy Frameworks for Scaling Microgrids in Sub-Saharan Africa. Energy Research & Social Science, 85, 102341.
- [71] Miller, M., Thompson, R., & Smith, J. (2022). Rural industrialization and agricultural productivity through renewable energy microgrids. Agricultural Systems, 195, 103287.
- [72] Ming, J., Lin, Q., & Zhao, Z. (2022). Blockchain Technology for Microgrid Energy Transactions: Challenges and Opportunities. Energy Reports, 8, 1557-1574.
- [73] Ming, J., Zhao, R., & Xu, T. (2022). Blockchain for Energy Transactions: Opportunities and Challenges in Microgrid Systems. IEEE Transactions on Smart Grid, 13(4), 2952-2964.
- [74] Moksnes, N., Roesch, M., & Berghmans, N. (2019). The Role of Blockchain and 4IR Technologies in Decentralizing Energy Systems: Opportunities and Challenges. Energy Policy, 138, 111210.
- [75] Murray, G., & Nair, S. (2021). Blockchain for decentralized energy trading: Insights from the Brooklyn Microgrid project. Energy Policy, 157, 112478.
- [76] Narula, R., & Driffield, N. (2021). Foreign Direct Investment and Technology Transfer: Evidence from Developed and Developing Economies. International Business Review, 30(4), 101-113. https://doi.org/10.1016/j.ibusrev.2020.101648
- [77] NERC (Nigerian Electricity Regulatory Commission). (2022). Annual Report. (https://www.nerc.gov.ng).
- [78] Njeri, N., Mwangi, S., & Kimani, S. (2022). Economic benefits of renewable energy microgrids in rural Kenya: A quantitative analysis. Energy Policy, 164, 112822.
- [79] Nwankwo, C. A., & Nwokoye, A. E. (2020). Foreign direct investment and economic growth in Nigeria: An empirical analysis. African Journal of Economic Review, 8(1), 98-115. https://doi.org/10.4102/aje.v8i1.200
- [80] Nwokolo, P., & Ogunbameru, K. (2019). Anti-corruption measures in tax administration: Enhancing transparency and efficiency. Journal of Financial Crime, 26(4), 1107-1123. https://doi.org/10.1108/JFC-11-2018-0105
- [81] Obi, T. (2020). Tax incentives and foreign investment in Nigeria: Issues and policy recommendations. Journal of Finance and Investment, 22(4), 56-72. https://doi.org/10.1080/13547860.2020.1852654

- [82] Ochieng, R., Otieno, F., & Kiprono, S. (2022). Integration of IoT for Efficient Solar Microgrid Management in Rural Kenya. Renewable Energy, 188, 1157-1165.
- [83] Oduntan, A. O., Olatunji, O. O., & Oyerinde, T. (2021). Microgrids for Sustainable Rural Electrification in Nigeria: A Review. Energy Reports, 7, 1557-1569.
- [84] OECD. (2021). OECD Report on Investment Policy: Tax Incentives and Foreign Direct Investment. Organisation for Economic Co-operation and Development. https://www.oecd.org/investment/investment-policy.htm
- [85] Ogunleye, A., & Sulaimon, T. (2021). Leveraging technology for improved tax compliance: The role of AI and data analytics. International Tax Journal, 47(2), 23-36. https://doi.org/10.1108/ITJ-01-2021-0015
- [86] Ogunleye, A., & Sulaimon, T. (2021). Taxation and foreign direct investment in Nigeria: Challenges and policy implications. Journal of Financial Regulation and Compliance, 29(2), 123-140. https://doi.org/10.1108/JFRC-04-2020-0065
- [87] Ojo, J. A., & Adebayo, F. A. (2020). The effect of tax policy on foreign direct investment in Nigeria: An empirical investigation. Global Journal of Management and Business Research, 20(5), 56-70. https://doi.org/10.24297/gjmbsr.v20i5.8757
- [88] Olufemi, S., & Imoize, A. (2020). The impact of centralized digital tax platforms on administrative efficiency in Nigeria. Journal of Economic Policy Reform, 23(1), 54-68. https://doi.org/10.1080/17487870.2019.1709237
- [89] Ozowe, W. O. (2018). *Capillary pressure curve and liquid permeability estimation in tight oil reservoirs using pressure decline versus time data* (Doctoral dissertation).
- [90] Ozowe, W. O. (2021). *Evaluation of lean and rich gas injection for improved oil recovery in hydraulically fractured reservoirs* (Doctoral dissertation).
- [91] Ozowe, W., Quintanilla, Z., Russell, R., & Sharma, M. (2020, October). Experimental evaluation of solvents for improved oil recovery in shale oil reservoirs. In *SPE Annual Technical Conference and Exhibition?* (p. D021S019R007). SPE.
- [92] Ozowe, W., Russell, R., & Sharma, M. (2020, July). A novel experimental approach for dynamic quantification of liquid saturation and capillary pressure in shale. In SPE/AAPG/SEG Unconventional Resources Technology Conference (p. D023S025R002). URTEC.
- [93] Ozowe, W., Zheng, S., & Sharma, M. (2020). Selection of hydrocarbon gas for huff-n-puff IOR in shale oil reservoirs. *Journal of Petroleum Science and Engineering*, 195, 107683.
- [94] Pang, Y., & Tan, R. (2020). The role of tax treaties in promoting cross-border investment: The case of Singapore and Malaysia. Asian Economic Policy Review, 15(1), 12-28. https://doi.org/10.1111/aepr.12150
- [95] Patterson, M., Scott, J., & Park, J. (2022). Policy Uncertainty and Its Impact on Microgrid Deployment in Emerging Economies. International Journal of Electrical Power & Energy Systems, 133, 107070.
- [96] Peter, C. (2021). Social innovation for sustainable urban developmental transitions in Sub-Saharan Africa: Leveraging economic ecosystems and the entrepreneurial state. Sustainability, 13(13), 7360.
- [97] Quintanilla, Z., Ozowe, W., Russell, R., Sharma, M., Watts, R., Fitch, F., & Ahmad, Y. K. (2021, July). An experimental investigation demonstrating enhanced oil recovery in tight rocks using mixtures of gases and nanoparticles. In SPE/AAPG/SEG Unconventional Resources Technology Conference (p. D031S073R003). URTEC.
- [98] Sadiq, A., & Ibrahim, M. (2021). The impact of tax incentives on foreign direct investment: A case study of the UAE. International Business Review, 30(6), 101-115. https://doi.org/10.1016/j.ibusrev.2021.101809
- [99] Smith, R. A. (2019). Managing tax treaties: Institutional frameworks and best practices. Tax Administration Review, 29(2), 103-118. https://doi.org/10.1080/0954426X.2019.1604816
- [100] UNCTAD. (2020). World Investment Report 2020: International Production Beyond the Pandemic. United Nations Conference on Trade and Development. https://unctad.org/webflyer/world-investment-report-2020
- [101] Zeph-Ojiako, C. F., & Anakwuba, B. W. (2019). Promoting the image of Africa through media: the role of African leaders (case study of Nigeria). UJAH: Unizik Journal of Arts and Humanities, 20(3), 80-98.
- [102] Zhang, P., Ozowe, W., Russell, R. T., & Sharma, M. M. (2021). Characterization of an electrically conductive proppant for fracture diagnostics. *Geophysics*, *86*(1), E13-E20.