



Journal of Econ-Islamic Law and Society Research

E-ISSN: XXXX-XXXX

Vol.1, No.1, 2025, pp. 19-32

DOI: <https://doi.org/10.61455/jeisr.v1i01.423>

The Role of Islamic Law in Regulating Environmental Protection and Sustainability

Usman Aliyu Yunusa¹, Jobeda Khanom²

¹Faculty of Islamic Education, Islamic University, Niger

²Department of Islamic Studies, The University of Chittagong, Bangladesh

usmanaliyuyunus1@gmail.com, jobedakhanomshamcy@gmail.com

Received January 30, 2025; Revised March 15, 2025; Accepted May 28, 2025

Abstract

Objective: This study aims to examine the role of Islamic law in regulating environmental protection and sustainability, with an emphasis on ethical principles related to resource management, waste reduction, and conservation. **Theoretical framework:** The theoretical framework of this research is based on Islamic environmental ethics, which emphasizes key concepts such as the caliph (responsibility as the caretaker of the earth), wasatiyyah (moderation), and fasaad (damage), which normatively affirms the responsibility of humans in protecting the earth and the resources it contains. **Literature review:** The literature review includes contemporary academic literature, Islamic jurisprudence (fiqh), and primary sources in the form of the Qur'an and Hadith. In addition, the research also refers to case studies from Muslim-majority countries relevant to environmental governance and sustainability practices. **Methods:** This study uses a qualitative approach with textual analysis methods on primary religious sources, jurisprudential texts, secondary academic literature, and case studies related to environmental issues. **Results:** The findings of the study show that Islamic law provides a comprehensive framework for sustainable practices, including the responsible use of resources, water conservation, sustainable agriculture, and pollution control. These principles are in line with modern sustainability goals while offering an ethical alternative to exploitative practices. **Implications:** The integration of Islamic legal principles into contemporary environmental policies has the potential to strengthen global sustainability efforts, particularly in regions with strong cultural traditions and Islamic law. This affirms the contribution of religion in shaping ethical and effective environmental governance. **Novelty:** The novelty of this research lies in its attempt to connect the teachings of Islamic ethics with practical solutions to environmental challenges, thus offering a new perspective on how religious principles can inform modern sustainability policies and practices. This research also emphasizes the potential of Islamic law in enriching global environmental policy discourse, especially in dealing with contemporary issues such as climate change, biodiversity loss, and sustainable resource management.

Keywords: islamic law, environmental sustainability, resource management, stewardship, islamic jurisprudence.

INTRODUCTION

Environmental degradation, including climate change, resource depletion, and biodiversity loss, has become one of the most urgent global challenges of the 21st century. As governments and international bodies seek solutions through legal frameworks and policies, alternative perspectives rooted in cultural and religious traditions also provide valuable insights. Islamic law, with its strong ethical and theological foundation, offers a distinct approach to environmental protection, emphasizing humanity's role as caretakers (*khalifah*) of the Earth. However, the extent to which Islamic principles can be applied to modern environmental issues remains underexplored [1]–[3].

This research addresses this gap by investigating the role of Islamic law in regulating environmental protection and sustainability, with a focus on principles of stewardship, resource management, and waste reduction. The primary objective of the study is to analyze how Islamic law can guide contemporary environmental practices and inform policies related to sustainability. Given that Islamic law is central to the cultural and legal frameworks of many countries, understanding its relevance to environmental governance could provide an ethical alternative to exploitative environmental practices [4].

This study does not test a hypothesis but instead aims to build a comprehensive understanding of how Islamic teachings align with modern environmental challenges. The research is significant as it offers both theological and practical perspectives on sustainability, with the potential to inform policies in Muslim-majority countries and beyond. Using qualitative methods, the research reviews recent literature, legal texts, and case studies to evaluate the practical implementation of Islamic environmental ethics. The scope of the research includes an exploration of Islamic principles in water management, agriculture, and waste control, drawing connections between religious teachings and contemporary environmental policy [5]–[7].

LITERATURE REVIEW

Several studies have examined the intersection of Islamic law and environmental sustainability, focusing on its practical applications in resource management and conservation efforts. A study explores the theological basis for environmentalism in Islam, arguing that Islamic principles of stewardship align with contemporary environmental ethics. The paper highlights the Qur'anic teaching that humans are *khalifah* (caretakers) of the Earth and have a duty to maintain its balance [8].

Another study analyzed Islamic finance and its potential role in promoting sustainable development. They argued that Islamic finance principles, such as prohibitions on investments in harmful industries (e.g., fossil fuels and deforestation), could offer a framework for promoting sustainable investment. Their research connects Islamic economic ethics with modern environmental goals, illustrating how Islamic finance could support green projects and renewable energy investments.

Another significant contribution by a researcher focused on water management in Islamic law, discussing the relationship between Islamic legal rulings on water conservation and the growing global issue of water scarcity. Khan's study highlights several Hadiths and Qur'anic verses that emphasize the importance of conserving water, even in regions with abundant resources. The study suggests that these teachings can inform contemporary water management policies, especially in regions facing water shortages [9].

In 2007, the research examined Islamic agricultural ethics, which advocate for sustainable farming practices that prevent land degradation and promote biodiversity. They argue that Islamic agricultural principles can serve as a model for sustainable land use, emphasizing crop rotation, soil conservation, and the protection of natural habitats [10].

Lastly, a recent study assessed the practical implementation of Islamic environmental ethics in Southeast Asia. Their research explores case studies of Islamic countries that have integrated Islamic environmental teachings into public policy and local practices. The findings suggest that Islamic law has a strong potential to guide environmental governance, especially in Muslim-majority countries, through policies that promote environmental justice and sustainable development [11].

Table 1. Literature Review Summary

Focus Area	Key Findings	Contribution to the Field
Theological basis for environmentalism in Islam	Islamic principles of stewardship align with modern environmental ethics.	Highlights the connection between Islamic theology and environmental ethics.
Islamic finance and its role in sustainable development	Islamic finance can promote sustainable investment, supporting green projects.	Links Islamic finance principles with modern sustainability practices.
Water management in Islamic law and its relevance to water scarcity	Islamic teachings on water conservation are crucial for addressing global water shortages.	Addresses the pressing issue of water scarcity through Islamic legal rulings.
Islamic agricultural ethics and sustainable farming practices	Islamic agricultural ethics emphasize sustainable farming, soil conservation, and biodiversity.	Demonstrates the role of Islamic agricultural practices in sustainable land use.
Implementation of Islamic environmental ethics in Southeast Asia	Islamic law can guide environmental policies in Southeast Asia, with case studies showing practical implementation.	Shows how Islamic environmental ethics can be practically applied in policymaking.

While recent studies have made significant contributions to understanding the role of Islamic law in various environmental areas, there remains a gap in fully integrating Islamic environmental ethics into modern policy frameworks. The literature reviewed emphasizes distinct aspects, such as water conservation, Islamic finance for sustainable development, and agricultural ethics, yet few studies provide a comprehensive model for the practical implementation of these principles on a global scale. Additionally, most research has been regionally focused, particularly in Southeast Asia, and lacks a cross-cultural, comparative approach that could address how Islamic environmental ethics might be applied in diverse socio-political and legal contexts. This research seeks to fill this gap by offering a holistic view of Islamic law's potential to inform global sustainability efforts, not just in Muslim-majority countries but across various international policy arenas. The study will also focus on how Islamic environmental ethics could be integrated into international legal frameworks for global environmental governance [12]-[14].

METHODOLOGY

This study employs a qualitative research design, analyzing scholarly articles, books, and legal texts related to Islamic environmental ethics published in the last five years. The primary sources include the Qur'an, Hadith, and classical and contemporary Islamic jurisprudence (fiqh). Secondary sources comprise peer-reviewed academic papers, reports by Islamic institutions, and case studies from Muslim-majority countries. The methodology involves content analysis, where key themes such as environmental stewardship, waste reduction, and resource conservation are identified and analyzed. The study also includes a comparative analysis between Islamic teachings and modern environmental laws, highlighting areas of synergy and potential collaboration [15]-[19].

Table 2. Research Method Summary

Methodology Aspect	Description
Research Design	Qualitative research design to explore Islamic law's role in environmental sustainability.
Data Sources	Primary sources: Qur'an, Hadith, Islamic jurisprudence. Secondary sources: scholarly articles, books, and case studies.
Data Analysis	Content analysis of scholarly articles and legal texts. Comparative analysis of Islamic teachings with modern sustainability practices.
Method of Analysis	Thematic and comparative analysis of Islamic environmental ethics and contemporary environmental practices.
Scope of Research	Focus on water conservation, sustainable agriculture, waste reduction, and green investments in Islamic law.

RESULTS AND DISCUSSION

The results of this study reveal that Islamic law provides a comprehensive framework for environmental protection and sustainability, with particular emphasis on ethical resource management, moderation, and responsibility. Key findings include:

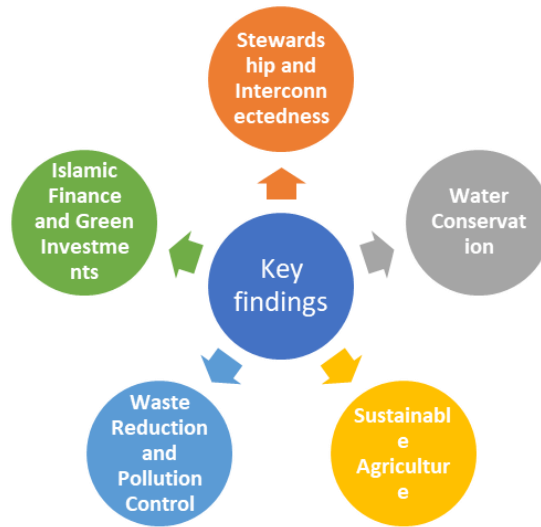


Figure 1. Interconnected Principles of Environmental Protection and Sustainability in Islamic Law

Stewardship and Interconnectedness

In Islamic thought, humans are not seen as masters over the Earth, but rather as *khalifah* (caretakers or stewards) of God's creation. This concept of stewardship places a profound ethical responsibility on individuals to manage natural resources wisely, ensuring that they are preserved and used sustainably for future generations. The Qur'an emphasizes that everything in the universe, from the smallest plant to the grandest mountain, is a sign of God's power and a resource entrusted to human beings. As caretakers of these resources, humans are called upon to maintain their balance and harmony. This concept of *khalifah* reflects the Islamic understanding that the Earth is not simply a commodity for exploitation, but a sacred trust that must be handled with respect, care, and wisdom [20]–[23].

The Qur'an repeatedly stresses that nature is interconnected and that all living things, including plants, animals, and the environment, have a role in God's creation. In Surah Al-An'am (6:141), for instance, the Qur'an teaches that humans should not waste or destroy the fruits of nature unnecessarily: "It is He who produces gardens trellised and untrellised, and date palms, and crops of different shape and taste (their fruits and their seeds)". This reflects the idea that humans are meant to work in harmony with nature, not in opposition to it. Destruction or overexploitation of resources, such as deforestation or pollution, is considered a violation of the natural balance established by God [24]–[26].

The Hadiths (sayings of the Prophet Muhammad) further reinforce this idea by highlighting the ethical duty of Muslims to protect the environment. In one well-known Hadith, the Prophet Muhammad stated, "If a Muslim plants a tree or sows seeds, and then a bird, or a person, or an animal eats from it, it is regarded as a charitable gift (*Sadaqah*) for him." This demonstrates the interconnectedness of humans, animals, and the environment, emphasizing that actions beneficial to the ecosystem are viewed positively and as acts of charity. Furthermore, the Prophet warned against wastefulness (*israf*), even in the presence of abundant resources, as in the famous Hadith, "Do not waste water, even if you perform your ablution on the banks of an abundantly flowing river."

This holistic understanding of *khalifah* fosters an ethical worldview where humans are urged to act as stewards of the Earth, preserving its resources not just for their own benefit but for the well-being of all living beings and for future generations. The Islamic perspective on environmental stewardship stresses that exploiting or damaging nature disrupts the divinely ordained balance, leading to negative consequences for both the environment and society.

Water Conservation

Islamic teachings on water conservation are highly relevant in the contemporary world, where water scarcity has become a significant challenge affecting many regions globally. Water is an essential resource for life, and its availability is increasingly threatened by factors such as climate change, pollution, and unsustainable consumption. Islamic law places great emphasis on the careful and responsible use of water, teaching that it is a precious gift from God that must be conserved, not wasted. This principle is grounded in both the Qur'an and the Hadith, which outline ethical guidelines for water usage that are still applicable today [27], [28].

The Qur'an acknowledges water as a vital part of the natural world and one of the greatest blessings bestowed upon humanity. In Surah Al-Furqan (25:48), it is stated: "It is He who sends down from the sky rain in due measure, and We revive thereby a dead land. Thus will you be brought forth." This verse highlights water's role in sustaining life and underscores its sacred nature, urging humanity to value and protect it.

The teachings of the Prophet Muhammad further reinforce the Islamic imperative of water conservation. The Prophet Muhammad's guidance on water use, even during times of abundance, reflects a deep understanding of sustainability and moderation. One of the most famous Hadiths related to water conservation emphasizes that Muslims should never waste water, even when it is readily available. The Prophet Muhammad is reported to have said: "Do not waste water, even if you perform your ablution on the banks of an abundantly flowing river." (Sunan Ibn Majah). This Hadith illustrates the Islamic principle of *wasatiyyah* (moderation), advising against overconsumption, regardless of the resource's abundance. It serves as an enduring lesson for contemporary water management, particularly in regions where water scarcity is a growing issue [29], [30].

In addition to the moral and ethical obligation to conserve water, Islamic law also advocates for equitable access to water. In the Hadith, the Prophet Muhammad also

emphasized the importance of ensuring that water is available to all, stating: *“The people have a share in three things: water, pasture, and fire.”* This teaching underscores the collective responsibility to share water resources and to make them accessible to all members of society, regardless of their social or economic status [31]–[33].

Islamic law, therefore, not only provides a framework for water conservation but also emphasizes the need for social justice in its distribution. The principle of *haqq al-‘ibad* (the rights of people) extends to the fair use of water, preventing monopolization or unjust practices that could harm others. In this regard, Islamic water management principles align closely with modern concepts of sustainable development and environmental justice [34], [35].

As global water scarcity becomes more pressing, the teachings of Islam regarding water conservation offer valuable lessons for contemporary society. By promoting both responsible consumption and equitable access, Islamic law can guide modern water management practices and contribute to global efforts to address the urgent challenges of water scarcity and environmental sustainability [36]–[38].

Sustainable Agriculture

Islamic law places a strong emphasis on sustainable agricultural practices, reflecting a profound respect for the land and its ability to sustain future generations. Central to Islamic teachings is the concept of land stewardship, which underscores the moral responsibility of humans to maintain the fertility and health of the soil. These principles are not merely theoretical; they are deeply embedded in Islamic teachings, offering clear guidance for managing agricultural land in a way that ensures long-term environmental sustainability [39], [40].

The Qur'an acknowledges the intrinsic value of the land and the responsibility of humans to use it wisely and sustainably. In Surah Al-Baqarah (2:164), it states: *“And He it is Who sends down rain from the sky, with which We bring forth fruits and plants, and trees that produce olives, dates, grapes, and all kinds of fruits. Indeed, that is a sign for those who give thought.”* This verse highlights the role of the Earth in providing sustenance, and it emphasizes the interconnectedness between the natural environment and human well-being. Islamic law, therefore, stresses that the land must be treated with respect, not exploited or degraded for short-term gain.

Islamic agricultural ethics advocate for practices that prioritize the health of the soil, recognizing that it is a finite resource that requires careful management. Crop rotation, a practice of alternating different types of crops on the same land, is encouraged in Islamic law to prevent soil depletion and maintain soil fertility. By rotating crops, farmers can ensure that the land remains fertile, preventing the overuse of specific nutrients and reducing the need for artificial fertilizers [41].

Furthermore, tree planting is highly encouraged in Islamic teachings. The Prophet Muhammad is reported to have said: *“If a Muslim plants a tree or sows seeds, and then a bird, or a person, or an animal eats from it, it is regarded as a charitable gift (Sadaqah) for him.”* (Sahih Bukhari). This Hadith not only emphasizes the importance of planting trees for environmental health but also frames it as an act of charity, reinforcing the idea that agricultural activities should be aligned with the broader ethical goals of benefiting both humanity and the natural world [42], [43].

The avoidance of overgrazing is another key principle in Islamic agriculture. The Prophet Muhammad cautioned against excessive grazing, which can lead to the depletion of pasturelands and desertification. In one Hadith, the Prophet said: *“Do not overgraze the land, for there is a portion of the land that is due to the animals, and there is a portion that is due to the soil itself.”* This principle not only encourages responsible livestock

management but also reflects a broader understanding of ecological balance, where the needs of animals, plants, and the soil must be balanced to ensure long-term sustainability [44], [45].

Islamic law also advocates for water conservation in agricultural practices. The use of irrigation systems must be done efficiently, ensuring that water is not wasted. This aligns with the broader Islamic teaching on avoiding wastefulness (*isrāf*) in all aspects of life, including agriculture. Sustainable farming practices such as rainwater harvesting and using water-efficient irrigation systems are consistent with Islamic principles, as they promote responsible water use while supporting agricultural productivity [46].

In sum, Islamic law provides a comprehensive framework for sustainable agriculture that prioritizes soil health, biodiversity, and the equitable use of natural resources. By promoting practices such as crop rotation, tree planting, and responsible grazing, Islamic teachings encourage farmers to work in harmony with nature, ensuring that the land remains fertile and productive for future generations. These principles not only contribute to environmental sustainability but also reflect a broader ethical vision of stewardship and balance in all aspects of human life [47], [48].

Waste Reduction and Pollution Control

Islamic law places significant emphasis on the responsible use of resources, actively discouraging wastefulness (*isrāf*) and promoting efficiency in consumption. The Qur'an and Hadith provide clear guidelines that reflect an ethical commitment to conserving resources, reducing waste, and protecting the environment. This principle resonates strongly with contemporary environmental movements that advocate for sustainability and the circular economy, where resources are used efficiently and waste is minimized or recycled [49].

The Qur'an explicitly addresses the issue of wastefulness, urging believers to adopt a mindset of moderation and respect for the environment. In Surah Al-A'raf (7:31), Allah commands: *"O children of Adam! Take your adornment at every masjid and eat and drink, but be not excessive. Indeed, He likes not those who commit excess."* This verse emphasizes that excessive consumption, whether in food, water, or material goods, is not only harmful to the environment but also morally wrong. The idea of *isrāf* is closely linked to the broader Islamic principle of avoiding excess in all aspects of life, whether in consumption, behavior, or waste generation [50], [51].

The Hadiths further reinforce this ethical framework by specifically condemning wastefulness in everyday activities. The Prophet Muhammad is reported to have said: *"The son of Adam has no better right to fill any vessel than his stomach. If he must, then let him fill it with food that will sustain him, not with excess."* (Sahih Muslim). This teaching urges moderation in consumption, suggesting that overindulgence and wastefulness are not only environmentally harmful but spiritually detrimental as well. The message is clear: humans should consume only what is necessary, with a conscious effort to avoid unnecessary waste [52], [53].

In addition to personal consumption, Islamic law also emphasizes the importance of minimizing waste in broader societal practices. For example, the concept of recycling and reusing is reflected in the Islamic practice of repurposing materials and ensuring that nothing goes to waste. The Prophet Muhammad is reported to have used items such as clothes, utensils, and even food scraps in ways that maximized their utility. This philosophy aligns with the principles of a circular economy, where products are designed to be reused, repurposed, and recycled, rather than discarded after a single use [54]–[56].

Moreover, Islamic teachings on pollution control are evident in the Prophet Muhammad's guidance on cleanliness and hygiene, which extend to the environment. The Prophet said: *"Cleanliness is half of faith."* (Sahih Muslim). This reflects the understanding that a clean

environment is a reflection of a spiritually pure and healthy life. By extension, Islam encourages the prevention of pollution, whether through the disposal of waste, the protection of water resources, or the management of harmful substances. The teachings on cleanliness and environmental protection highlight the interconnectedness of human well-being and the health of the Earth [57]–[59].

Islamic law also promotes the ethical responsibility to protect nature from damage caused by human activities. The prohibition of *fasaad* (corruption) in the land, as mentioned in the Qur'an (2:205), aligns with modern environmental concerns about pollution and environmental degradation. The term *fasaad* refers to actions that cause harm or corruption to the Earth, including pollution, deforestation, and other forms of environmental destruction. In this context, Islamic law calls for active stewardship of the environment to prevent harm and protect natural resources from misuse [60], [61].

By emphasizing moderation in consumption, reducing waste, and avoiding pollution, Islamic law offers valuable ethical guidelines that align with modern sustainability efforts. These teachings advocate for responsible consumption and a circular economy approach, where resources are reused, recycled, and conserved. The Islamic emphasis on protecting the environment, reducing waste, and ensuring that resources are used efficiently provides a moral framework for contemporary environmental practices and challenges, promoting a balance between human needs and the health of the planet [62], [63].

Islamic Finance and Green Investments

Islamic finance offers a unique ethical framework for investments, emphasizing the importance of aligning financial transactions with both moral and environmental sustainability. Rooted in Islamic principles, this form of finance prohibits investments in industries that are deemed harmful to society and the environment, such as those involved in alcohol, gambling, and weapons manufacturing, as well as those contributing to environmental degradation. The ethical guidelines in Islamic finance aim to promote social justice, fairness, and the well-being of communities, and they also provide a foundation for supporting green investments and sustainable development practices [64], [65].

A key principle in Islamic finance is the prohibition of *riba* (usury), which is seen as exploitative and unjust. This prohibition fosters investments based on shared risk and profit, ensuring that investments are made in ventures that contribute positively to society and the environment. As a result, Islamic finance naturally aligns with the values of sustainability and ethical investing, as it encourages investments in projects that promote environmental conservation, social welfare, and long-term benefits for communities [66]–[69].

Islamic law also advocates for the avoidance of *haram* (forbidden) activities that harm the environment, such as investments in fossil fuels, deforestation, or polluting industries. In this context, Islamic finance offers a framework for steering capital away from sectors that damage the planet and towards industries that promote environmental sustainability. Islamic financial institutions are increasingly focusing on supporting projects that align with sustainable practices, including green technologies, renewable energy, and clean infrastructure [70], [71].

The Islamic finance sector's emphasis on socially responsible investment (SRI) is another avenue through which green investments can be promoted. Instruments such as *sukuk* (Islamic bonds) can be issued to fund environmentally sustainable projects, such as the development of solar and wind energy farms, waste management systems, and water conservation initiatives. In fact, *green sukuk* have gained traction as an innovative financial instrument that allows investors to contribute to environmental conservation while earning returns in accordance with Islamic financial principles [72], [73].

Moreover, the Islamic concept of *zakat* (charitable giving) can also play a role in financing environmental sustainability efforts. *Zakat* funds, which are intended for the benefit of society, can be channeled into projects that contribute to ecological conservation and the development of sustainable technologies, supporting efforts to mitigate climate change and protect natural resources. Islamic finance also encourages the practice of ethical entrepreneurship, where business ventures are not only profit-driven but also aim to benefit society and the environment. Entrepreneurs are encouraged to create businesses that adhere to principles of justice, equity, and sustainability, thus contributing to the broader goals of sustainable development [74], [75].

In conclusion, Islamic finance provides a robust framework for fostering green investments and promoting environmental sustainability. By steering capital away from harmful industries and focusing on projects that benefit society and the environment, Islamic finance can play a crucial role in supporting the growth of green technologies, renewable energy sectors, and other sustainable initiatives. The integration of Islamic financial principles into global sustainability efforts offers a complementary and ethical approach to addressing contemporary environmental challenges [76], [77].

CONCLUSION

In conclusion, Islamic law offers a comprehensive and ethically grounded framework for addressing contemporary environmental challenges. Through its principles of stewardship (*khalifah*), moderation (*wasatiyyah*), and justice, Islamic law promotes the responsible use of natural resources, water conservation, sustainable agriculture, waste reduction, and pollution control. The teachings found in the Qur'an and Hadith emphasize the moral duty of humans to preserve and protect the environment for future generations, reinforcing the interconnectedness of all living beings with nature. By aligning Islamic environmental ethics with modern sustainability practices, Islamic law provides a valuable perspective that can guide both individual actions and public policy. This study reaffirms the importance of integrating Islamic principles into contemporary environmental efforts, particularly in regions where Islamic teachings hold significant influence. It demonstrates that Islamic law not only encourages ethical consumption and environmental preservation but also offers practical solutions for sustainable development, particularly through green investments, ethical finance, and the promotion of eco-friendly technologies. The implications of this research are far-reaching. Policymakers and environmental practitioners in Muslim-majority countries can use Islamic law as a basis for developing policies that promote environmental sustainability. Moreover, the ethical framework offered by Islamic law could be integrated into global environmental governance, offering an alternative approach that complements existing legal and regulatory systems. Further research should explore the practical application of these Islamic principles in diverse cultural, legal, and economic contexts to assess their feasibility and effectiveness in promoting sustainability on a global scale. Additionally, there is a need for further investigation into the role of Islamic finance in supporting large-scale environmental initiatives, particularly in financing green technologies and renewable energy projects. In conclusion, Islamic law offers not only spiritual guidance but also practical solutions for addressing urgent environmental issues. It is essential for global environmental efforts to consider and incorporate diverse ethical and cultural perspectives, such as those rooted in Islamic teachings, in the pursuit of a more sustainable and just future.

Acknowledgments

The authors gratefully acknowledge the support and academic environment provided by the Islamic University, Niger, and the University of Chittagong, Bangladesh.

Author Contribution

All contributors from both institutions equally participated in designing the study, analyzing sources, and preparing the manuscript on Islamic law and sustainability.

Conflicts of Interest

There are no conflicts of interest. This research was conducted independently, with institutional support only from the listed universities involved.

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