

# Oral Literature and Environmental Consciousness: An Update of Folktales and Myths in Ibibio Communities of Akwa Ibom State

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**Abstract:** This study examines how Ibibio oral traditions, specifically folktales and myths, cultivate environmental awareness. While substantial research exists on the linguistic and anthropological aspects of these narratives, their ecological significance and potential contribution to modern sustainability conversations are often overlooked. Using a qualitative ethnographic approach, this research gathered narratives from elders, storytellers, and cultural custodians in several Akwa Ibom State communities. Facts gathered from interviews and archival sources from 60 participants from the study area reveals that Ibibio stories are deeply embedded with ecological principles, addressing forest and water conservation, wildlife protection, and land stewardship. These lessons are conveyed not through direct instruction, but through moral sanctions, symbolism, and spiritual accountability. The study also finds that the transmission of this indigenous knowledge is threatened by urbanization and formal education. It concludes that Ibibio oral literature is a vital, though endangered, source of ecological wisdom. The paper recommends its documentation and integration into educational and environmental policy frameworks to preserve cultural heritage and promote locally relevant sustainability practices.

**Keywords:** Ibibio oral literature, environmental consciousness, folktales, myths, Indigenous knowledge, sustainability, Nigeria.

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## 1. INTRODUCTION

Before the written word, stories were the archives of humanity. Across the globe, oral traditions folktales, myths, legends have carried the weight of collective memory, moral codes, and a people's understanding of their world. Scholars recognize these traditions as a fundamental part of intangible cultural heritage, offering a window into the values and survival knowledge of societies (Finnegan, 2012; UNESCO, 2019). These are not static relics of the past; they are living, adaptive forms that respond to shifting social and environmental realities.

Beyond their artistic and entertainment value, oral narratives in many indigenous societies serve a practical purpose: they are a guide for living. They encode the rules of social conduct and, crucially, the relationship between people and the natural world. Through stories, where animals speak, spirits inhabit forests, and rivers have intentions, communities articulate a clear environmental ethic. Actions like polluting a stream or killing a sacred animal are not just practical errors; they are moral failings with spiritual or communal consequences (Berkes, 2018).

This focus on the cultural and ethical dimensions of environmental issues is at the heart of the environmental humanities. This field argues that our current ecological crises are not just technical problems to be solved by science alone, but are also deeply rooted in cultural values, historical actions, and ethical frameworks (Heise, Christensen, & Niemann, 2017). In this context, the stories we tell about nature become powerful forces in shaping our attitudes and behaviors toward the environment.

Indigenous narratives are particularly valuable here. They often present a worldview where humans are not separate from or superior to nature, but are part of an interconnected web of life that includes the spiritual world. Research shows that myths and folktales can function as informal systems of environmental governance. Taboos against cutting certain trees, sacred statuses given to animal species, and ancestral sanctions embedded in stories all work to regulate resource use and promote sustainability (Whyte, 2017). These aren't laws enforced by police, but norms maintained by culture and belief.

Despite this, most global discussions on sustainability still rely heavily on Western scientific perspectives. The rich environmental knowledge held in African oral traditions is frequently absent from international academic conversations. This omission creates a significant gap, limiting our ability to develop truly global and culturally inclusive approaches to environmental management.

In Africa, oral literature has long been the medium for defining the human-nature relationship. Stories from across the continent depict animals, rivers, and forests as more than just resources; they are entities with agency and sacredness. These tales reinforce community norms that value collective responsibility over individual exploitation (Okpewho, 2014). Scholars have pointed out that these traditions offer practical, locally-grounded insights into sustainable living (Adom, 2019). However, much of the existing scholarship treats these narratives primarily as cultural artifacts to be preserved, rather than as active, living systems of knowledge that can contribute to solving modern problems like climate change.

The Ibibio people of Akwa Ibom State, Nigeria, have a particularly rich oral tradition that reflects this deep ecological connection. Their folktales and myths are filled with references to the local environment: forests, farms, rivers, animals, and the spirits and ancestors that inhabit them. Sacred groves, water spirits, and animal totems are not just decorative elements in a story; they are symbolic tools for teaching and regulating how people interact with their surroundings (Ekong, 2001).

In traditional Ibibio society, a story warning about the consequences of cutting down a tree in a sacred grove was as effective as any written law. It embedded a conservation ethic into the culture. However, the social fabric that supported this oral tradition is fraying. Rapid urbanization, the dominance of formal education, and a decline in the traditional settings where stories are told have all weakened the transmission of these narratives. This threatens not only a rich cultural heritage but also the loss of a locally adapted system of ecological knowledge.

## **2. STATEMENT OF THE PROBLEM**

Previous research on Ibibio oral literature has focused on its linguistic beauty, its performance, and its social functions. What's missing is a deep exploration of its environmental content through a modern lens, such as ecocriticism or environmental humanities. Because of this, we don't fully understand how these stories have shaped environmental consciousness among the Ibibio. Furthermore, this body of indigenous knowledge remains largely disconnected from global conversations about sustainability, limiting its potential to contribute to a more diverse and inclusive understanding of human-environment relationships (Heise et al., 2017). This study aims to fill that gap by examining Ibibio folktales and myths as a relevant cultural resource for contemporary environmental thought.

## **3. OBJECTIVES OF THE STUDY**

This research was designed to:

- (i). Gather and document Ibibio folktales and myths with environmental themes.
- (ii). Analyze how the natural world, animals, land, water, and spirits, is portrayed in these stories.
- (iii). Uncover the moral lessons, symbols, and storytelling techniques used to teach environmental values.
- (iv). Understand how these narratives historically worked to guide people's behavior toward the environment.

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- (v). Assess the relevance of these old stories to today's sustainability challenges.
- (vi). Explore how modern life is affecting the survival and influence of these oral traditions.
- (vii). Compare the environmental ideas in Ibibio stories with those found in other indigenous and global narratives.
- (viii). Suggest practical ways to use Ibibio oral literature in environmental education and cultural preservation today.

**4. RESEARCH QUESTIONS**

- (i). Which specific Ibibio folktales and myths carry messages about the environment, either directly or indirectly?
- (ii). How is nature, including animals, land, water, and spiritual forces, represented in these oral narratives?
- (iii). What storytelling methods (like symbolism and moral lessons) are used to build environmental awareness?
- (iv). In what ways did these folktales and myths act as a traditional system of rules for environmental behavior?
- (v). How have modern changes, like urbanization and schooling, impacted the practice of storytelling and the relevance of these tales?
- (vi). How do the environmental themes in Ibibio narratives compare with those found in other cultures around the world?
- (vii). What is the best way to bring Ibibio oral literature into modern environmental education and sustainability projects?

**5. SIGNIFICANCE OF THE STUDY**

This research matters for several reasons. Academically, it connects the study of Ibibio oral literature with the global fields of environmental humanities and indigenous knowledge studies. It brings an African perspective into international sustainability discussions, where it has been largely absent. Culturally, it contributes to preserving a threatened heritage by documenting stories that are at risk of being lost. Practically, the findings offer a culturally relevant foundation for creating environmental education programs that resonate with local communities. Ultimately, this study shows how indigenous wisdom can work alongside modern science to build a more sustainable future.

**6. RESEARCH METHODOLOGY****6.1 Research Design**

This study used a qualitative approach, grounded in ethnographic and interpretive methods. This was the right choice because it allows for a deep, contextual understanding of oral literature as a living part of Ibibio culture.

**6.2 The Study Area**

The research took place in several Ibibio communities in Akwa Ibom State, a region where the rainforest, rivers, and farming life are central to both the culture and its stories.

**6.3 Sources of Data**

Data came from two main sources: primary interviews with elders, storytellers, and cultural leaders, recorded with their permission; and secondary sources like archives and published works on Ibibio oral traditions and indigenous knowledge.

**6.4 Sampling Technique**

Participants were chosen using purposive and snowball sampling. A total of 60 participants were selected from in the study area. We started by identifying known custodians of oral history, and they then referred us to others. We stopped conducting interviews when new stories and themes stopped emerging, a point known as data saturation.

**6.5 Procedures for Data Collection**

Interviews were conducted using 60 participants in the Ibibio language to capture the full cultural meaning and nuance. These sessions were audio-recorded, transcribed word-for-word, and then carefully translated into English. To ensure accuracy, translations were reviewed by native speakers.

6.6 Analysis of Data

Data analysis was an iterative process, using a combination of techniques. Thematic analysis helped identify recurring environmental themes across the stories. Narrative analysis looked at the structure of the tales and how they function. Discourse analysis examined the specific language and symbolism used to build meaning. This multi-layered approach allowed for a rich and holistic interpretation (Braun & Clarke, 2006).

6.7 Ethical Considerations

The research followed strict ethical guidelines. All participants gave informed consent and were told they could withdraw at any time. We were careful to respect local customs, and we protected the anonymity of participants who requested it. We also acknowledged that these stories are the intellectual property of the community.

7. PRESENTATION AND ANALYSIS OF DATA

The data, drawn from dozens of stories, myths, and interviews, is presented thematically below, supported by summary tables. The full, rich transcripts of the narratives themselves form the foundation for this analysis.

Table 1: Examples of Ibibio Folktales and Myths with Environmental Themes

S/N	Title of Folktale/Myth	Source/Informant	Environmental Theme	Narrative Summary
1	The Forest Guardian	Elder Etim, Uyo	Forest conservation	A story about sacred trees whose cutting brings punishment from forest spirits.
2	The Tortoise and the Sacred River	Storyteller Ikot Ekpene	Inyang, Water preservation	Tortoise, a clever figure, teaches that polluting the river leads to community disaster.
3	The Sacred Leopard	Cultural Custodian Ekamen, Abak	Wildlife protection	The leopard is protected by taboo; hunting it brings spiritual and communal misfortune.
4	Ancestral Grove	Elder Okon, Eket	Land stewardship	Ancestors are the guardians of sacred groves; disrespecting the land angers them.
5	The Sky and the Earth	Storyteller Ibiono Ibom	Udo, Climate balance	A myth explaining that human rituals maintain the rains; neglecting them brings drought.

Table 1 confirms that Ibibio stories are not just entertainment. They are direct responses to the community's environment. Each narrative tackles a specific ecological concern, deforestation, pollution, poaching, and wraps the lesson in a compelling story with real consequences, often spiritual in nature. The use of spirits, ancestors, and revered animals gives the environmental message a weight that goes beyond human law.

Table 2: Symbolic Representations of Nature in Ibibio Narratives

Theme	Representative Folktales/Myths	Symbolic Meaning	Core Ecological Message
Forest	The Forest Guardian, Ancestral Grove	The forest is a sentient, sacred space.	Protect forests; they are not just timber.
Animals	The Sacred Leopard, The Tortoise and the Sacred River	Animals are moral agents with spiritual roles.	Follow taboos; wildlife is part of the moral order.
Land	Ancestral Grove	The land is the physical link to the ancestors.	Treat land with respect; it is a legacy, not just property.
Water	The Tortoise and the Sacred River	Water is a sacred, life-giving force.	Do not pollute; water is for the community and the spirits.
Spiritual Forces	The Sky and the Earth	Spirits and ancestors enforce ecological balance.	Follow rituals; disrupting them disrupts nature.

Table 2 illustrates the core of the Ibibio ecological worldview. Nature is not a collection of resources but a community of beings, both physical and spiritual. The forest is not just trees; it is a sentient entity. The leopard is not just an animal; it is a moral symbol. This worldview fosters a sense of kinship and responsibility, making environmental destruction a personal and spiritual transgression.

**Table 3: Mechanisms for Conveying Environmental Consciousness**

Element	Folktale/Myth Example	Environmental Lesson
Moral Sanction	The Forest Guardian	Cutting sacred trees brings misfortune to the whole village.
Symbolism	The Sacred Leopard	The leopard stands for all wildlife that needs protection.
Didactic Storytelling	The Tortoise and the Sacred River	A captivating story makes the lesson of water conservation memorable for children.
Spiritual Accountability	Ancestral Grove	Ancestors are always watching; your treatment of the land has spiritual consequences.
Ethical Instruction	The Sky and the Earth	Performing rituals is an ethical duty that maintains the balance of the climate.

Table 3 breaks down the 'how' of environmental teaching. It's not through lectures, but through integrated methods. A memorable story (didactic) with a powerful symbol (symbolism) that carries a clear spiritual or social consequence (moral sanction) creates a deeply ingrained lesson that is passed down through generations.

**Table 4: Regulatory Functions of Folktales and Myths**

Regulatory Function	Narrative Example	Community Practice
Taboo Enforcement	The Sacred Leopard	The hunting of leopards is strictly forbidden.
Social Sanctions	The Forest Guardian	Someone who degrades a forest can face social ostracism for bringing communal risk.
Moral Teaching	The Tortoise and the Sacred River	Children grow up learning that polluting is fundamentally wrong, not just illegal.
Environmental Stewardship	Ancestral Grove	The idea of ancestral oversight encourages careful land management.
Spiritual Deterrence	The Sky and the Earth	The fear of causing a drought through ritual failure promotes adherence to traditional practices.

Table 4 highlights the stories as a form of governance, they establish norms (taboos), provide deterrents (social/spiritual sanctions), and teach values (moral teaching). This system is effective because it is internalized by the community, creating a culture of stewardship rather than one of mere compliance with external rules.

**Table 5: Contemporary Relevance to Sustainability**

Folktale/Myth	Modern Environmental Issue	Potential Application
The Forest Guardian	Deforestation	Use in school programs to teach the value of forests.
The Tortoise and the Sacred River	Water pollution	Adapt for community campaigns to protect local streams.
The Sacred Leopard	Wildlife conservation	Inform local awareness about endangered species and hunting laws.
Ancestral Grove	Land degradation	Promote sustainable farming and respect for remaining green spaces.
The Sky and the Earth	Climate change	Teach about the human-climate connection and respect for natural cycles.

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Table 5 reveals the environmental challenges of today, deforestation, pollution, climate change, are the same fundamental issues addressed in these ancient stories. The narratives provide a culturally familiar and emotionally resonant framework for discussing these problems, making them powerful tools for modern education and awareness campaigns.

Table 6: Impact of Modern Influences on Transmission

Modern Influence	Observed Impact on Folktales/Myths	Example/Observation
Urbanization	Decline in evening storytelling gatherings.	Elders report that village life, the traditional home of storytelling, is fading.
Formal Education	Children have less time and are taught in a different knowledge system.	Western curricula often do not value or include local oral traditions.
Migration	Loss of local narrators and the audience for stories in the native language.	Young people move to cities and lose touch with village-based culture.
Media Influence	Modern entertainment (TV, internet) replaces storytelling.	Children are more familiar with global media characters than local folktale heroes.
Cultural Change	Traditional taboos and sanctions are ignored by younger generations.	Youth may see these beliefs as "backward" and not relevant to modern life.

Table 6 paints a clear picture of an intergenerational rupture. The social and cultural structures that supported the transmission of oral narratives for centuries are being dismantled by the forces of modernity. This is not just the loss of stories; it is the severing of a channel through which ecological wisdom was passed down.

Table 7: Comparison with Global and Indigenous Environmental Narratives

Aspect	Ibibio Folktales/Myths	Other Indigenous/Global Narratives	Comparison
Forest conservation	Sacred groves protected by spirits.	Amazonian taboos on sacred forests.	<b>Similar:</b> The principle of sacred space for conservation is global. <b>Different:</b> The specific spiritual context and beings are unique to each culture.
Water protection	The Tortoise and the Sacred River.	Maori concepts of river guardianship.	<b>Similar:</b> Water is seen as a living entity with its own mana/spirit. <b>Different:</b> The narrative form (e.g., trickster tale vs. genealogical chant) differs.
Animal protection	The Sacred Leopard (a totemic animal).	Australian Aboriginal totemic species.	<b>Similar:</b> Animals serve as clan symbols and are protected by spiritual law. <b>Different:</b> The specific animals and their cultural roles are unique.
Climate teaching	The Sky and the Earth (rituals ensure rain).	Native American seasonal myths and ceremonies.	<b>Similar:</b> A deep, ritual-based connection between human action and climate patterns. <b>Different:</b> The specific rituals and cosmological explanations are culturally distinct.

The comparison in Table 7 shows that while the cultural expressions are unique, the underlying ecological wisdom of the Ibibio people is not isolated. It is part of a global chorus of indigenous voices that articulate a relationship with nature based on respect, reciprocity, and spiritual accountability. This common ground suggests that these knowledge systems speak to universal human questions about how to live sustainably on earth.

**Table 8: Strategies for Integration into Education and Sustainability**

Folktale/Myth	Suggested Integration	Expected Outcome
The Forest Guardian	Include in primary school social studies or environmental science.	Foster early awareness of forest conservation among children.
The Tortoise and the Sacred River	Use in community water sanitation and health workshops.	Improve community buy-in for clean water projects by linking them to cultural values.
The Sacred Leopard	Partner with local wildlife NGOs for community outreach.	Increase public support for wildlife protection laws.
Ancestral Grove	Work with traditional councils to map and preserve remaining sacred groves.	Maintain cultural and ecological sites as part of town planning.
The Sky and the Earth	Develop climate change curriculum materials for secondary schools.	Provide a culturally relevant entry point for discussing global climate science.

Table 8 moves from analysis to action. It demonstrates that these stories are not just subjects for academic study, but are practical resources that can be mobilized. By connecting the narratives to specific, contemporary initiatives, we can create hybrid approaches to sustainability that are both scientifically sound and culturally grounded.

## 8. DISCUSSION OF FINDINGS

The results show that Ibibio oral literature is a sophisticated vehicle for ecological knowledge. Stories like *The Forest Guardian* and *The Tortoise and the Sacred River* are not simple tales; they are complex texts that encode principles of conservation, respect for limits, and the consequences of ecological transgression. This aligns with the work of scholars like Finnegan (2012) and Uzuegbunam (2020), who have noted the pedagogical power of African oral traditions. The symbolic weight given to the forest, the river, and the leopard creates a worldview where the natural world is imbued with moral and spiritual significance, a key characteristic of indigenous knowledge systems globally (Berkes, 2018).

The mechanisms through which these lessons are taught moral sanctions, symbolism, spiritual accountability are deeply effective because they are embedded in culture and belief. A child who grows up hearing that the ancestors watch over a particular grove will have an internalized reason to protect it, a motivation far stronger than a sign that says "No Littering." This reflects what Kimmerer (2013) describes as a "grammar of animacy," where the world is full of subjects to be respected, not objects to be used. The regulatory function of these stories, through taboo and social sanction, demonstrates a working system of traditional ecological governance, similar to practices observed elsewhere in West Africa (Akinwale & Oladele, 2019).

Crucially, the study finds that these ancient narratives are not obsolete. The deforestation warned against in *The Forest Guardian* is the same problem facing modern Nigeria. The water pollution in *The Tortoise and the Sacred River* is a daily reality in many communities. This contemporary relevance suggests that indigenous knowledge can and should be part of the solution to modern environmental crises, a point made by scholars like Agrawal (2002) and Pretty et al. (2009). These stories offer a way to frame sustainability not as a new, foreign concept, but as a return to traditional values.

However, this knowledge is under severe threat. The findings in Table 6 clearly show that urbanization, formal education, and cultural change are creating a generational disconnect. This mirrors a continent-wide challenge of preserving oral traditions in the face of modernization (Finnegan, 2012; Nnam, 2016). The loss of these stories is not just a cultural tragedy; it is the loss of a functional, locally-adapted toolkit for environmental stewardship.

Finally, the comparison with other global narratives reveals that the Ibibio are part of a larger story. Their concerns for forest, water, and wildlife are shared by indigenous peoples from the Amazon to Australia (Berkes et al., 2000; Maffi, 2005). While the cultural details differ, the core ethical principles of interconnectedness, responsibility, and respect are universal. This validates the place of Ibibio knowledge in the global conversation on sustainability.

## 9. CONCLUSION

This study set out to explore the environmental dimensions of Ibibio folktales and myths. It has found that these oral traditions are not merely cultural artifacts but are active, complex, and effective systems of ecological knowledge. They teach conservation, regulate behavior through moral and spiritual sanctions, and foster a worldview where humans are part of a larger, interconnected community of life. While the transmission of this knowledge is endangered by modern social change, its core messages remain profoundly relevant to today's environmental challenges. The wisdom contained in these stories offers a culturally resonant foundation for building a more sustainable future, both for the Ibibio people and as a contribution to global environmental thought.

## 10. RECOMMENDATIONS

Based on these findings, I propose the following actions:

- (i). **Documentation and Archiving:** A concerted effort is needed to systematically record Ibibio folktales and myths. This should include audio and video recordings, along with transcriptions and translations, to create a digital archive for future generations.
- (ii). **Curriculum Integration:** The Ministry of Education should support the integration of these narratives into school curricula at all levels. They can be used in language arts, social studies, and environmental science to make learning more culturally relevant.
- (iii). **Community-Based Campaigns:** Local government and NGOs should partner with community elders and storytellers to use these tales in public awareness campaigns focused on water conservation, forest protection, and waste management.
- (iv). **Policy Recognition:** Traditional councils and state policymakers should formally recognize the role of oral traditions in maintaining community values. This could involve supporting the preservation of sacred groves and including custodians of oral tradition in environmental planning.
- (v). **Intergenerational Storytelling Initiatives:** Create programs like storytelling festivals, school visits by elders, and local radio programs dedicated to Ibibio folktales to re-engage younger generations with their cultural heritage.
- (vi). **Further Research:** Encourage comparative research that links Ibibio environmental knowledge with other indigenous systems in Nigeria and across Africa, building a stronger network of indigenous scholarship on sustainability.

## 11. VALUE ADDED TO KNOWLEDGE

This study makes several key contributions. It provides fresh, contemporary evidence that updates the scholarly understanding of Ibibio oral literature by focusing specifically on its environmental and ecological dimensions. It moves beyond viewing these stories as mere folklore and demonstrates their practical function as tools for environmental education and governance. By placing Ibibio narratives within the global framework of environmental humanities, it shows that this local knowledge has universal resonance. Finally, it offers a clear, actionable model for how indigenous oral traditions can be systematically integrated into modern sustainability initiatives, serving as a bridge between cultural heritage and environmental policy.

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## REFERENCES

- [1] Adom, D. (2019). Indigenous knowledge systems: The forgotten cultural capital in environmental management. *Journal of Cultural Heritage Management and Sustainable Development*, 9(3), 362-377.
- [2] Agrawal, A. (2002). Indigenous knowledge and the politics of classification. *International Social Science Journal*, 54(173), 287-297.

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- [3] Akinwale, M. G., & Oladele, O. I. (2019). Folklore and environmental conservation in West Africa. *Journal of African Cultural Studies*, 31(2), 150-165.
- [4] Berkes, F. (2018). *Sacred ecology* (4th ed.). Routledge.
- [5] Berkes, F., Colding, J., & Folke, C. (2000). Rediscovery of traditional ecological knowledge as adaptive management. *Ecological Applications*, 10(5), 1251-1262.
- [6] Braun, V., & Clarke, V. (2006). Using thematic analysis in psychology. *Qualitative Research in Psychology*, 3(2), 77-101.
- [7] Creswell, J. W. (2013). *Qualitative inquiry and research design: Choosing among five approaches* (3rd ed.). Sage Publications.
- [8] Ekong, E. E. (2001). *Sociology of the Ibibio: A study of social organization and change*. Dove Educational Publishers.
- [9] Finnegan, R. (2012). *Oral literature in Africa* (rev. ed.). Open Book Publishers.
- [10] Guest, G., Namey, E., & Saldaña, J. (2014). Collecting and analysing qualitative data at scale. In *Sage Handbook of Qualitative Research* (pp. 455-471). Sage.
- [11] Heise, U. K., Christensen, J., & Niemann, M. (2017). *The Routledge companion to the environmental humanities*. Routledge.
- [12] Kimmerer, R. W. (2013). *Braiding sweetgrass: Indigenous wisdom, scientific knowledge and the teachings of plants*. Milkweed Editions.
- [13] Maffi, L. (2005). Linguistic, cultural, and biological diversity. *Annual Review of Anthropology*, 34, 599-617.
- [14] Nabhan, G. P. (2017). *Where our food comes from: Retracing Nikolay Vavilov's quest to end famine*. Island Press.
- [15] Nnam, N. (2016). The challenge of preserving African oral traditions in the era of globalisation. *African Research Review*, 10(3), 1-12.
- [16] Ojo, O. (2018). Indigenous knowledge systems and environmental conservation in Nigeria. *Journal of Environmental Studies*, 14(2), 45-59.
- [17] Okpewho, I. (2014). *African oral literature: Backgrounds, character, and continuity*. Indiana University Press.
- [18] Pretty J, B Adams, F Berkes, SF De Athayde, N Dudley, E Hunn, L Maffi, K Milton, D Rapport, Conservation and Society, (2009). The intersections of biological diversity and cultural diversity: Towards integration. *Conservation and Society*, 7(2), 100-112.
- [19] Riessman, C. K. (2008). *Narrative methods for the human sciences*. Sage Publications.
- [20] Turner, N. J., & Berkes, F. (2006). Coming to understanding: Developing conservation through incremental learning in the Pacific Northwest. *Human Ecology*, 34(4), 495-513.
- [21] Turner, N. J., Ignace, M. B., & Ignace, R. (2013). Traditional ecological knowledge and wisdom of Indigenous peoples in British Columbia. *Ecological Applications*, 10(5), 1275-1287.
- [22] UNESCO. (2019). *Intangible cultural heritage and sustainable development*. UNESCO Publishing.
- [23] Uzuegbunam, C. (2020). Folktales and environmental sustainability in Igbo land. *African Journal of Cultural Studies*, 32(1), 66-79.
- [24] Whyte, K. (2017). Indigenous climate change studies: Indigenizing futures, decolonizing the Anthropocene. *English Language Notes*, 55(1-2), 153-162.
- [25] Yin, R. K. (2018). *Case study research and applications: Design and methods* (6th ed.). Sage Publications.