DIGITAL ISLAMICATE AND HUMANITIES

Journal Of Digital Islamicate and Humanities (DIH)
Vol. 1 No. 1, April 2026 | E-ISSN: 3124-9523
Journal URL: https:// journal.zahirastudies.org/index.php/dih
DOI: https://doi.org/10.63254/dih.v1i1.36

The Olive Tree as a Symbol of Sustainability: Signs, Meaning, and Stylistic Expression in Modern Ecology

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Article History

Received : 25 February 2026
Revised : 3 March 2026
Accepted : 6 March 2026
Published : 6 April 2026

Keywords: *olive tree, sustainability, stylistics, Islamic ecology.*

Abstract

The olive tree (*Olea europaea*) is a natural symbol that holds profound meaning in religious and cultural traditions. In the Qur'an, the olive is described as a blessed tree (*syajarah mubārakah*), representing balance, prosperity, and the light of guidance. This article aims to explore how the symbolism of the olive tree can be reinterpreted within the context of modern ecology as a representation of environmental sustainability. The study employs semiotic, semantic, and stylistic approaches to analyze linguistic signs and figures of speech that construct ecological messages. The findings indicate that the religious meaning of the olive tree is not merely spiritual in nature but also conveys ecological values related to sustainability, simplicity, and natural balance. Thus, the olive tree emerges as a timeless symbol representing a harmonious relationship between humans, God, and the environment.

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1. INTRODUCTION

Environmental issues have become a major concern in the modern world. Global warming, climate change, and ecosystem degradation are tangible realities that increasingly threaten the sustainability of human life on Earth. These phenomena affect not only the physical condition of nature but also the moral and spiritual values that shape how humans relate to and treat the environment. In this context, a growing awareness has emerged that addressing the ecological crisis cannot rely solely on scientific and technological approaches; it also requires spiritual and cultural perspectives rooted in religious values and traditional wisdom [1].

One symbol rich in ecological and spiritual significance within the Islamic tradition is the olive tree (Olea europaea). This tree is mentioned several times in the Qur'an, notably in Surah An-Nūr (24:35), where it is described as a "blessed tree" (shajarah mubārakah), and in Surah At-Tīn, which emphasizes its significance alongside Mount Sinai and the city of Makkah. The olive tree is not only regarded as a plant with medicinal properties and high economic value but also as a symbol imbued with profound spiritual meaning. In the sacred text, it represents light, purity, and blessing concepts closely related to the ideas of sustainability and ecological balance [2].

However, the symbolic meaning of the olive tree is often understood solely in theological terms, without being connected to contemporary ecological contexts. In fact, within the framework of Qur'anic ecology, every natural element mentioned in the Qur'an is not merely a narrative ornament but an āyah (sign) that carries moral and epistemological messages. This interpretive position is closely related to broader debates on the historicity and epistemological status of the Qur'an in contemporary scholarship,

where differing paradigms significantly influence interpretive outcomes [3]. Therefore, rereading the symbol of the olive tree in a deeper and more contextual manner is essential to uncover the values of sustainability embedded within it [4].

This study seeks to fill this gap by analyzing the olive tree as a linguistic sign and an ecological symbol through three main approaches: semiotics, semantics, and stylistics.

1.1. The semiotic approach helps explain how the olive tree functions as a sign possessing both denotative meaning (the physical tree) and connotative meaning (a symbol of blessing and balance). Within Roland Barthes' framework, the denotative meaning of the olive tree refers to a plant that produces oil, while its connotative meaning develops into a myth associated with purity, light, and the sustainability of life [4].

1.2. The semantic approach examines the meaning of the term az-zaytūn from the perspective of classical Arabic linguistics, as documented in sources such as Lisān al-'Arab and Mufradāt alRāghib al-Aṣfahānī. These sources indicate that the term does not merely denote "a tree that produces oil," but also conveys connotations of usefulness, balance, and tranquility values that align with the principles of sustainability [5].

1.3. The stylistic approach is employed to uncover the Qur'anic rhetorical style in describing the olive tree. The use of light metaphors and arboreal symbolism in Surah An-Nūr (24:35), for instance, reflects the aesthetic beauty of Qur'anic language, which integrates spiritual depth and artistic expression while simultaneously fostering ecological awareness [6].

The study of the olive tree symbol becomes increasingly relevant amid the global ecological crisis. Contemporary societies are striving to adopt sustainable development paradigms that emphasize not only economic growth but also environmental preservation and social well-being. In this context, the spiritual values embedded in the Qur'an can serve as a source of inspiration for environmental ethics that balance human needs with the rights of nature [76]. The olive tree, with its religious and ecological significance, can be interpreted as a natural model of sustainability. It is a tree capable of living for hundreds of years, thriving in rocky soil, requiring minimal water, and remaining productive over time. These ecological characteristics reflect an ethos of simplicity, adaptability, and continuity principles that lie at the heart of sustainable development today [8].

Moreover, the olive tree possesses broad social and cultural dimensions. In Mediterranean and Middle Eastern regions, olives form an integral part of local cultural identity and economic life. The tree symbolizes resilience and peace, as reflected in the olive branch, which is widely recognized as a universal emblem of peace [4]. Within Islamic spirituality, it also represents barakah (blessing), a concept that extends beyond religious meaning to include ecological significance namely, blessings that arise from environmental preservation and the balance of life.

Accordingly, this research aims to reinterpret the meaning of the olive tree as a symbol of sustainability that transcends temporal and contextual boundaries. The study does not focus solely on theological aspects but also highlights the ecological messages implicit within religious texts. The interdisciplinary approach employed is expected to bridge Qur'anic linguistics, modern semiotic theory, and contemporary ecological discourse. From an academic perspective, this research offers novelty by expanding thematic Qur'anic interpretation toward Qur'anic ecolinguistics an emerging field that views Qur'anic language as a system of signs conveying ecological messages. Furthermore, by incorporating stylistic analysis, this study contributes to an understanding of how the aesthetic beauty of Qur'anic language plays a role in shaping human ecological consciousness.

Ultimately, this article is expected to provide both scholarly and moral contributions to the development of ecological awareness among Muslim communities. Through an understanding of the olive tree as a symbol of sustainability, humans are reminded that protecting the Earth is not merely an ecological duty but also a spiritual responsibility. Sustainability is not solely about conserving resources; it is a reflection of the balance between creation and the Creator. In this sense, the olive tree serves as a bridge between barakah (blessing) and sustainability two concepts that are fundamentally intertwined in the Islamic vision of a balanced and enduring life.

2. METHOD

2.1. Research Design

This study employs a qualitative descriptive research design with an interdisciplinary analytical framework integrating semiotics, semantics, and stylistics to examine the olive tree (Olea europaea) as a symbol of sustainability within religious and ecological discourse. A qualitative approach is considered appropriate as the research aims to explore meanings, symbols, and linguistic structures embedded in sacred texts and contemporary ecological narratives rather than to quantify numerical variables [8]. The study also functions as a downstream outcome of research-based community service, where religious and linguistic insights are positioned as conceptual resources for strengthening environmental awareness and sustainability ethics within society, particularly Muslim communities.

2.2. Types of Data and Data Sources

2.2.1. Semiotic Analysis

The semiotic framework adopted in this study is based on Roland Barthes' theory of signification, which distinguishes between denotative meaning, connotative meaning, and myth as a culturally constructed system of meaning [9]. This approach is used to analyze how the olive tree functions as a sign in Qur'anic discourse and Islamic cultural narratives. Through this lens, azzaytūn is examined not merely as a botanical entity, but as a symbolic sign that conveys ideological and ethical messages related to blessing (barakah), continuity, balance, and sustainability. Semiotic analysis enables the identification of ecological myths embedded in religious language that shape collective environmental consciousness.

2.2.2. Semantic Analysis

Semantic analysis in this research focuses on both lexical semantics and contextual semantics. Lexical meanings of az-zaytūn are examined using authoritative classical Arabic sources, including Lisān al-ʿArab by Ibn Manẓūr and Mufradāt Alfāẓ al-Qur'ān by al-Rāghib al-Aṣfahānī, to trace the root meanings, semantic fields, and associative values of the term. Contextual semantic analysis is conducted by examining the use of az-zaytūn within specific Qur'anic verses and interpretive contexts, including classical and contemporary Qur'anic exegesis. This dual semantic approach allows for a deeper understanding of how linguistic meaning evolves across textual, cultural, and ecological contexts [10].

2.2.3. Stylistic Analysis

The stylistic component of this study investigates the expressive linguistic features of Qur'anic discourse related to the olive tree, including metaphor, symbolism, imagery, and rhythmic structure. Qur'anic stylistics is employed to analyze how aesthetic and rhetorical devices reinforce ecological and ethical meanings within the text. This analysis draws on contemporary stylistic and discourse studies that emphasize the role of figurative language in shaping moral and

environmental values [11], [12]. Stylistic analysis is particularly important in revealing how the Qur'an communicates sustainability values not only through explicit instruction but also through evocative imagery and symbolic resonance.

2.3. Data Sources

The data used in this study are derived from three primary categories:

2.3.1. Primary Religious Texts

- Identification of Qur'anic verses containing the word an-nahr based on thematic and lexical Qur'anic indices.
- The Qur'an and selected verses that reference az-zaytūn

2.3.2. Linguistic and Religious References

- Classical Arabic dictionaries and semantic references
- Scholarly works on Qur'anic linguistics, semiotics, and stylistics

2.3.3. Contemporary Scientific Literature (Last 5 Years)

- Peer-reviewed journal articles and conference proceedings on Islamic ecology, ecolinguistics, sustainability studies, and environmental ethics.
- Reports from international organizations addressing sustainability and holistic ecological frameworks.

2.4. Data Collection and Analysis Procedures

Data collection was conducted through systematic document analysis, involving close reading, textual coding, and thematic categorization. Relevant verses, linguistic expressions, and symbolic representations of the olive tree were identified and categorized based on semiotic, semantic, and stylistic criteria. Data analysis followed a three-stage process:

2.4.1. Identification of signs and symbolic references to the olive tree.

2.4.2. Interpretation of linguistic meanings through semantic and stylistic analysis.

2.4.3. Synthesis of findings to articulate ecological values and sustainability messages embedded in religious discourse.

2.5. Measurement of Outcomes and Impact

Although qualitative in nature, the outcomes of this study are measurable descriptively and analytically. The level of achievement of the research-based community service is assessed through:

2.5.1. The clarity and coherence of identified ecological values.

2.5.2. The applicability of findings as conceptual material for environmental education.

2.5.3. The potential influence on attitudes and ethical perspectives toward environmental sustainability, as reflected in religious discourse.

Success indicators include increased conceptual alignment between religious symbolism and modern sustainability principles, as well as the development of an integrative framework applicable to socio-cultural and educational contexts.

2.6. Validity and Reliability

To ensure academic rigor, the study applies theoretical triangulation by integrating multiple analytical frameworks and source triangulation through the use of classical texts, contemporary

scholarship, and empirical ecological studies. Reflexive analysis and peer-reviewed literature are employed to enhance interpretive validity [13].

3. RESULTS AND DISCUSSION

3.1. Semiotic Analysis Results: The Olive Tree as a Sign of Sustainability and Life

Based on Roland Barthes' semiotic framework, every sign operates on two levels of meaning: denotation (literal meaning) and connotation (symbolic or cultural meaning). Within the Qur'anic context, the olive tree (az-zaytūn) functions not merely as a botanical entity or an agricultural resource, but as a multilayered sign representing blessing, continuity, and the sustainability of life. At the denotative level, the olive tree is presented as.

3.1.1. A source of high-value oil used for food, lighting, and medicine.

3.1.2. A resilient plant capable of surviving in arid, rocky, and marginal lands.

3.1.3. A provider of essential resources that support human life in a sustainable manner.

At the connotative level, the olive tree conveys profound spiritual and ecological messages. Its resilience symbolizes the ability of ecosystems to endure under extreme environmental conditions, making it highly relevant to contemporary climate crisis discourse. The Qur'anic description of the olive tree as mubārakah (blessed) signifies a reciprocal and balanced relationship between humans and nature what can be described as a form of spiritual ecological symbiosis. Furthermore, the imagery of olive oil as a source of light in Qur'an 24:35 (An-Nūr) functions as a moral metaphor, illuminating human responsibility to preserve the continuity of life on Earth. Thus, semiotically, the olive tree embodies an ecological message that sustainability is not limited to economic or environmental continuity, but also encompasses the preservation of spiritual and ethical values in human interaction with nature.

3.2. Semantic Analysis Results: The Expansion of the Meaning of Az-Zaytūn in Contemporary Contexts

Semantic analysis reveals that the meaning of az-zaytūn extends beyond its classical lexical definition. According to al-Rāghib al-Aṣfahānī in Al-Mufradāt fī Gharīb al-Qur'ān, zaytūn refers to "a tree from which beneficial oil is extracted, providing nourishment, illumination, and utility for humans." This lexical meaning highlights functionality and benefit.

3.2.1. Economic Meaning

The olive tree has become a symbol of the green economy, representing sustainable products such as organic olive oil, natural cosmetics, and health-oriented food systems. This reflects how Qur'anic ecological values can be operationalized within modern consumption patterns that emphasize environmental responsibility.

3.2.2. Ecological Meaning

Olive trees are highly adaptive to dry climates and require relatively low water input, making them emblematic of ecological resilience. In modern semantic usage, zaytūn increasingly connotes sustainability, adaptability, and climate resilience values that align with global sustainability principles.

3.2.3. Spiritual Meaning

The olive tree is consistently associated in the Qur'an with light (Qur'an 24:35), paradise and sustenance (Qur'an 80:29), and divine oath (Qur'an 95:1). These associations elevate sustainability

beyond material preservation toward spiritual sustainability, emphasizing the sanctity of the human–nature relationship as part of divine creation. Consequently, az-zaytūn functions not merely as a botanical term but as an eco-theological lexicon that bridges revelatory language and contemporary ecological praxis.

3.3. Stylistic Analysis Results: Ecological Symbolism and Qur'anic Rhetorical Devices

From a stylistic perspective, the Qur'an employs rich metaphorical and symbolic language to portray the olive tree as a representation of cosmic balance and sustainable life.

One prominent stylistic feature is the metaphor of light in Qur'an 24:35:

"…whose oil would almost glow even if untouched by fire…"

This symbolic hyperbole illustrates latent illumination—knowledge, faith, and goodness inherent within creation. Ecologically, this metaphor can be interpreted as an ethical call for energy self-sufficiency and sustainability without excessive exploitation of natural resources.

Another key stylistic device is the oath (qasam) found in Qur'an 95:1:

"By the fig and the olive…"

Stylistically, the Qur'an's use of natural elements as objects of oath elevates nature to a moral and sacred status. This rhetorical strategy implies that nature possesses intrinsic value and moral significance, challenging purely utilitarian views of the environment. Additionally, personification of nature appears in Qur'anic exegesis, where the olive tree is often depicted as a creation that glorifies God. This stylistic personification positions nature as an active spiritual subject rather than a passive object, resonating strongly with contemporary eco-theological perspectives that advocate for a relational ethics between humans and the environment. Through these stylistic devices, Qur'anic language conveys ecological ethics aesthetically and emotionally, transforming linguistic beauty into moral responsibility.

3.4. Integrating Semiotics, Semantics, and Stylistics: Toward Qur'anic Eco-Semiotics

The integration of semiotic, semantic, and stylistic analyses reveals a coherent ecological framework embedded within Qur'anic discourse on the olive tree:

3.3.1. Semiotics frames the olive tree as a sign of life continuity and ecological balance.

3.3.2. Semantics expands its meaning from divine blessing to sustainability and resilience.

3.3.3. Stylistics demonstrates how rhetorical beauty reinforces ecological consciousness.

This integrative reading produces a conceptual framework that can be termed Qur'anic EcoSemiotics, defined as an interpretative approach that re-reads natural signs in the Qur'an as ethical foundations for environmental sustainability and spiritual ecology. This framework constitutes the scientific novelty of the study, as it synthesizes linguistic analysis with ecological ethics and Islamic spirituality within a single analytical model.

3.5. Relevance to Modern Ecological Issues and Community Impact

The findings of this study are highly relevant to contemporary global ecological challenges, including climate change, energy crises, and environmental degradation. The olive tree characterized by drought tolerance and ecological resilience emerges as a powerful symbol of adaptive sustainability. The ecological values embedded in the symbolism of az-zaytūn align closely with the United Nations Sustainable Development Goals (SDGs), particularly:

3.3.4. SDG 12: Responsible consumption and production

3.3.5. SDG 13: Climate action

3.3.6. SDG 15: Life on land

As a research-based community service output, this study offers conceptual materials that can foster long-term attitudinal and socio-cultural change by integrating religious values into environmental education and ecological ethics. In the short term, it strengthens environmental awareness through spiritual narratives; in the long term, it provides a theological foundation for Islamic ecological ethics applicable to policy discourse, education, and community engagement.

4. CONCLUSION

The term an-nahr (النهر) in the Qur'an conveys a conceptual meaning that extends far beyond its literal This study demonstrates that the symbol of the olive tree in the Qur'an represents far more than a biological entity, functioning instead as an eco-theological sign that integrates spiritual values, ecological balance, and principles of sustainability. Through the combined semiotic, semantic, and stylistic analyses, the olive tree is shown to operate as an ecological myth in Barthes' sense, conveying moral and spiritual imperatives for maintaining harmony between humans and nature. Semantically, the term az-zaytūn evolves from a literal reference to a productive tree into a metaphor for blessing, resilience, and sustainable life practices, which resonate strongly with contemporary concepts such as green consumption, environmentally friendly agriculture, and responsible resource management. Stylistically, the Qur'anic use of olive imagery particularly through the metaphor of light in Surah AnNūr (24:35) reveals how aesthetic linguistic expression reinforces ecological consciousness by uniting beauty, spirituality, and ethical responsibility. While this study is limited to textual and linguistic analysis without empirical environmental data, its main strength lies in offering an interdisciplinary framework that bridges Qur'anic linguistics, modern semiotic theory, and global sustainability discourse, including alignment with the Sustainable Development Goals. Consequently, the olive tree emerges as a conceptual foundation for Islamic environmental ethics, positioning humans not as dominators of nature but as stewards entrusted with its preservation. This research opens avenues for further interdisciplinary studies that integrate linguistic analysis with practical environmental applications, particularly in Islamic education, ecological advocacy, and faith-based sustainability initiatives.

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