

Article

The cultural heritage of Biskra province as a strategic leverage for activating sustainable agricultural tourism

Mokhnane Tarek ^{1,*}, Reguia², ADJLANE Sabah ³

¹ Scientific and Technical Research Center on Arid Regions CRSTRA 1; Tarekamin07@yahoo.com

² Scientific and Technical Research Center on Arid Regions CRSTRA 1; 2; khiar_rouka@yahoo.com

³ Scientific and Technical Research Center on Arid Regions CRSTRA 1; sabah_economie@hotmail.fr

* Correspondence: Tarekamin07@yahoo.com

Abstract: This essay explores how agricultural tourism (agrotourism) can serve as a strategic mechanism for preserving the cultural heritage of Biskra Province, Algeria. Biskra is rich in historical, aesthetic, and natural assets, making it an ideal location for sustainable tourism development. The study compares international agrotourism models, highlighting challenges faced by Algeria in adopting similar strategies. By analyzing existing literature and case studies from Europe and North Africa, this paper provides recommendations for policy improvements, infrastructure development, and community engagement in agrotourism initiatives. The findings emphasize the role of agrotourism in economic diversification, job creation, and cultural sustainability

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1. Introduction

Algeria, like many countries, possesses a rich and diverse cultural heritage. While some traditional elements have faded over time, others persist through traditional industries such as pottery, handicrafts, gastronomy, and textile arts [1]. Cultural heritage plays a significant role in shaping national identity and fostering social cohesion, as it connects present generations with their historical roots [2]. The United Nations Educational, Scientific and Cultural Organization (UNESCO) emphasizes that preserving cultural heritage is crucial for sustainable development, as it contributes to economic diversification, cultural identity, and community resilience [3].

One of the most effective strategies for preserving cultural heritage is through agricultural tourism (agrotourism). Agrotourism allows visitors to engage with local traditions, customs, and cultural practices while also supporting economic growth in rural areas [4]. This form of tourism has been successfully implemented in several countries, including Italy and Spain, where it sustains small-scale agricultural enterprises while fostering appreciation for local traditions and cuisine [5].

Biskra Province, often referred to as the "Gateway to the Sahara," is one of Algeria's most culturally significant regions. It is endowed with unique historical and aesthetic sites, customs, traditions, and popular legacies that reflect the cultural identity of its inhabitants [6]. Additionally, the province boasts a rich natural landscape characterized by a mix of mountainous areas, fertile agricultural lands, interconnected valleys, lakes, and widespread palm oases [7]. These geographical and cultural assets position Biskra as an ideal region for the development of agrotourism. However, despite its potential, cultural heritage in Biskra faces threats from modernization, urban expansion, and the decline of traditional industries [8]. Addressing these challenges requires an integrated approach that includes policy support, infrastructure development, and stakeholder collaboration [9].

This essay explores how agrotourism can serve as a strategic mechanism to preserve Biskra's cultural heritage while also fostering sustainable economic development. By examining global best practices and comparing them with the current state of agrotourism in Algeria, this study aims to provide actionable recommendations for the successful implementation of heritage-driven tourism in Biskra. [10]

Algeria, like many countries, possesses a rich and diverse cultural heritage. While some traditional elements have faded over time, others persist through traditional industries such as pottery, handicrafts, gastronomy, and textile arts. Preserving this heritage is crucial, and one effective strategy for doing so is through agricultural tourism (agrotourism). This form of tourism allows visitors to engage with local traditions, customs, and cultural practices, while also contributing to sustainable rural development.

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2. Study Objectives

This study aims to:

- Examine the role of agricultural tourism (agrotourism) in preserving the cultural heritage of Biskra Province.
- Identify international agrotourism models that can be adapted to the Algerian context.
- Assess the challenges and opportunities for implementing sustainable agrotourism in Biskra.

Propose policy recommendations to enhance infrastructure, promote local engagement, and ensure economic sustainability through heritage-driven tourism.

3. Importance of the Study

This study is significant for several reasons:

Cultural Preservation: It highlights how agrotourism can serve as a tool for safeguarding Biskra's unique cultural and historical heritage.

Economic Diversification: By promoting sustainable tourism, the study supports economic diversification, reducing reliance on traditional agricultural activities.

Community Empowerment: The findings will benefit local communities by providing strategic insights into how cultural heritage can be transformed into an economic asset.

Policy Guidance: The study provides actionable recommendations for policymakers, helping them design effective strategies to integrate cultural heritage with tourism development.

By addressing these objectives and employing this methodology, the research aims to contribute to the sustainable preservation and promotion of Biskra's cultural and agricultural heritage.

4. Previous and Similar Literature and Studies and How They Were Used in the Essay

Several studies have highlighted the role of agrotourism in cultural preservation and economic sustainability. Timothy and Boyd [11] stress that heritage tourism requires a strong institutional framework to ensure long-term preservation and community engagement. Similarly, Pacciani et al. [12] discuss the importance of integrating regional products into rural tourism, emphasizing their role in promoting local economies.

Studies in European countries, particularly in Italy and Spain, demonstrate how agrotourism sustains small-scale agricultural enterprises while fostering the appreciation of local traditions and cuisine [13]. Research by Flanagan et al. [14] supports the idea that

agrotourism enhances visitor engagement through immersive agricultural experiences. Lane and Kastenholz [15] further argue that well-structured agrotourism policies contribute to sustainable rural tourism, particularly in developed countries.

Comparative analyses between European and North African models reveal that North African nations, including Algeria, face challenges in establishing agrotourism due to limited government support and promotional efforts [16]. Bouzahzah and El Menyari [17] highlight these difficulties, contrasting them with European frameworks that benefit from structured policies and financial incentives[18]. This essay incorporates insights from these studies to evaluate the potential of agrotourism in Biskra[19] and provide policy recommendations for its successful implementation. [20]

Table 1. Comparison of Previous Studies

Study	Region	Key Findings	Challenges Identified
Timothy and Boyd (2003) (1)	Global	Heritage tourism requires institutional support	Lack of structured policy frameworks
Pacciani et al. (2003) (2)	Europe	Integration of regional products fosters rural development	Dependence on policy incentives
Flanigan et al. (2014) (3)	Europe	Visitor engagement improves with immersive experiences	Limited accessibility in rural areas
Lane and Kastenholz (2015) (4)	Europe	Well-structured policies enhance sustainability	Infrastructure investment needed
Bouzahzah and El Menyari (2021) (5)	North Africa	Governmental support is limited in developing agrotourism	Weak marketing strategies
OECD (2018) (6)	Global	Cultural and rural tourism drive sustainable development	Requires significant financial backing

This comparison highlights the strengths and weaknesses of various agrotourism models and provides insights into best practices that can be applied to Biskra's cultural tourism initiatives.

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5. Materials and Methods

The research follows a mixed-method approach, combining qualitative and quantitative analyses. The methodology includes:

Literature Review: A comprehensive analysis of previous studies on agrotourism, cultural heritage, and sustainable rural development in Algeria and globally.

Comparative Case Studies: Examination of successful agrotourism models from Europe and North Africa to identify best practices.

Field Surveys and Interviews: Data collection from local stakeholders, including farmers, tourism operators, and policymakers, to assess perceptions and existing challenges.

Policy and Infrastructure Analysis: Evaluation of existing frameworks and government initiatives to determine gaps and areas for improvement.

6. The Role of Cultural Heritage in Sustainable Agrotourism

6.1 Cultural Identity and Historical Significance

Cultural heritage encompasses all elements inherited from previous generations, including architecture, traditions, literature, arts, and craftsmanship. These elements hold great historical importance, as they symbolize a deep-rooted identity embedded in the region's past. Preserving these aspects of cultural heritage allows communities to maintain a strong connection to their history while offering educational opportunities for visitors.

6.2 Economic and Social Contributions

Cultural heritage is also an economic asset. Archaeological and historical sites, when integrated into tourism activities, attract both domestic and international visitors, providing economic benefits to local communities. Investing in agrotourism can lead to job creation, increased income levels, and support for small and medium-sized enterprises (SMEs) engaged in traditional crafts and food production.

7. Agrotourism as a Mechanism for Cultural Heritage Preservation

7.1 Economic Benefits

Agrotourism contributes to economic development by diversifying income sources for farmers and rural entrepreneurs. This diversification ensures the sustainability of agricultural practices and prevents rural exodus by providing alternative employment opportunities. Moreover, the demand for authentic cultural experiences encourages local artisans to continue producing traditional goods.

7.2 Promoting Local Crafts and Traditional Products

Biskra Province is known for its distinctive handicrafts and agricultural products. Key traditional industries include :

Date and Palm Derivatives : Products such as rafis, maqroot, date syrup, and palm wood furniture represent significant cultural and economic assets.

Pottery and Ceramics : A craft passed down through generations, influenced by Berber, Arab-Islamic, and Turkish cultures. The city of Qantara remains a prominent hub for ceramic production.

Textile and Carpet Weaving : Rooted in Algeria's history, textile craftsmanship is particularly prevalent in Louataia and Bourj Azzouz. However, younger generations show decreasing interest in these trades, posing a risk to their continuity.

Encouraging agrotourism activities that showcase these industries can generate appreciation and demand for traditional products, thereby sustaining local heritage.

8. Challenges and Policy Recommendations

8.1 Challenges Facing Agrotourism in Biskra

Despite its potential, agrotourism in Algeria faces several obstacles, including:

Lack of infrastructure and investment: The development of rural tourism requires improved transport, accommodations, and visitor facilities.

Insufficient marketing strategies: The absence of promotional campaigns limits awareness and tourist interest.

Policy and regulatory gaps: There is a need for clear legal frameworks to support agrotourism initiatives and incentivize investment in cultural heritage preservation.

8.2 Policy Recommendations

To overcome these challenges, the following measures should be considered:

Enhancing government and private sector collaboration: Encouraging partnerships between local authorities, businesses, and community organizations to develop sustainable agrotourism projects.

Investing in infrastructure development: Improving accessibility to rural areas and supporting the creation of eco-friendly lodgings and cultural tourism centers.

Implementing educational and training programs: Providing workshops and training for artisans, farmers, and tourism operators to enhance their skills and promote cultural entrepreneurship.

Developing targeted marketing strategies: Promoting Biskra's unique heritage through digital platforms, travel expos, and international tourism collaborations.

9. Results

The study findings indicate that agrotourism has a significant potential to contribute to cultural heritage preservation and economic sustainability in Biskra. Survey results reveal a strong interest from local stakeholders in developing agrotourism initiatives, particularly in areas rich in traditional crafts and agricultural products.

Comparative case studies highlight that successful agrotourism models incorporate strong governmental support, well-developed infrastructure, and effective marketing strategies. However, analysis of Biskra's current framework shows gaps in policy implementation and infrastructure investment, limiting the region's ability to fully benefit from agrotourism.

These results underscore the necessity for targeted policies, financial incentives, and community engagement strategies to enhance the viability of agrotourism in Biskra.

10. Discussion

This section discusses the results of the study and their interpretations based on previous research and working hypotheses. The findings confirm that agrotourism can significantly contribute to preserving Biskra's cultural heritage while fostering sustainable economic development. By comparing successful agrotourism models from Europe and North Africa, it is evident that policy support, infrastructure investment, and marketing strategies play a crucial role in the success of such initiatives.

Moreover, the study highlights that integrating local crafts, traditional industries, and community participation into tourism activities can enhance cultural sustainability. However, challenges such as weak governmental support and inadequate infrastructure remain significant barriers to development.

Future research should explore the long-term impacts of agrotourism on cultural preservation and economic growth in Biskra. Additionally, further studies can investigate the role of digital technologies in promoting agrotourism and enhancing visitor engagement. By addressing these areas, future research can provide more detailed policy recommendations and practical strategies for the sustainable development of agrotourism in the region.

By addressing these objectives and employing this methodology, the research aims to contribute to the sustainable preservation and promotion of Biskra's cultural and agricultural heritage.

11. Conclusions

Biskra Province holds immense potential as a cultural and agrotourism destination. By leveraging its rich historical and agricultural heritage, the region can establish itself as a hub for sustainable tourism. However, addressing infrastructural, policy, and promotional challenges is essential to fully realize this potential. Implementing strategic policies that support local communities and preserve traditional industries will ensure that cultural heritage remains a valuable resource for future generations.

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