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CONTENTS

BUDGETING BASED ON THE BALANCED SCORECARD SYSTEM IN STRATEGIC MANAGEMENT ACCOUNTING.....	8
Pardaeva Shakhnoza Abdinabievna	
TURIZM SOHASIDA TARJIMA NAZARIYASINING O'RNI	13
Bahronova Charos Mirabbos qizi	
THE ROLE OF ESG PRINCIPLES AND DIGITAL TECHNOLOGIES IN THE DEVELOPMENT OF CORPORATE SOCIAL MANAGEMENT SYSTEMS	16
Shokhrukh Abdisalimovich Muratkosimov	
A COMPARATIVE SEMANTIC FIELD ANALYSIS OF "BENEFIT" ACROSS ENGLISH AND UZBEK CULTURES	23
Mohira Husanovna Divanova	
ROSSIYA TIJORAT BANKLARIDA DEPOZIT OPERATSIYALARINI RIVOJLANTIRISHNING O'ZIGA XOS JIHATLARI	30
Rahimov Akmal Matyaqubovich	
USE OF ARTIFICIAL INTELLIGENCE TECHNOLOGIES AGAINST CYBER THREATS IN THE PUBLIC SECTOR.....	37
Nuratdinov Xushnid Begzadovich, Erejepov Kewlimjay Kaymatdinovich	
PUL-KREDIT SIYOSATI INSTRUMENTLARIDAN FOYDALANISH AMALIYOTINI TAKOMILLASHTIRISH ..	42
A.A. Ismailov	
"O'ZBEKISTON TEMIR YO'LLARI" AJNING AMALIY IQTISODIY HOLATI TAHLILI VA OPSIONLARNI ANIQLASH	48
Bobojonova Zarnigor Shokirovna	
COMPARATIVE ANALYSIS OF DEEP LEARNING ALGORITHMS FOR AUTOMATED SKIN DISEASE DIAGNOSIS FROM DERMOSCOPIC IMAGES.....	56
Nazirova Elmira Shodmonovna, Abdusalomova Shokhista Boboyor qizi	
STRATEGY FOR THE DEVELOPMENT OF THE FINANCIAL MARKET OF UZBEKISTAN IN THE CONTEXT OF DIGITAL AND GREEN TRANSFORMATION	61
Muftaydinov Mansur Kiyomidinovich	
TOURISM POTENTIAL OF UZBEKISTAN AND FINANCIAL FACTORS FOR ITS DEVELOPMENT	68
Bau Long	

TOURISM POTENTIAL OF UZBEKISTAN AND FINANCIAL FACTORS FOR ITS DEVELOPMENT

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Abstract. This article examines the tourism potential of Uzbekistan and analyzes the key financial factors influencing its development. The study evaluates the country's natural, cultural, and historical resources as fundamental components of tourism attractiveness, while emphasizing the role of financial mechanisms such as investment inflows, government expenditures, and infrastructure financing. Using a mixed-method approach, including statistical analysis and comparative assessment, the research identifies the relationship between financial indicators and tourism sector growth. The findings indicate that increased financial support, improved investment climate, and efficient allocation of resources significantly enhance tourism development. Based on the results, policy recommendations are proposed to strengthen financial strategies aimed at unlocking Uzbekistan's tourism potential.

Keywords: tourism potential, Uzbekistan, financial factors, tourism development, investment, infrastructure financing, economic growth, tourism policy.

Annotatsiya. Ushbu maqolada O'zbekistonning turizm salohiyati tadqiq etilgan hamda uning rivojlanishiga ta'sir ko'rsatuvchi asosiy moliyaviy omillar tahlil qilingan. Tadqiqotda mamlakatning tabiiy, madaniy va tarixiy resurslari turistik jozibadorlikning fundamental tarkibiy qismlari sifatida baholangan, shu bilan birga, investitsiyalar oqimi, davlat xarajatlari va infratuzilmani moliyalashtirish kabi moliyaviy mexanizmlarning roliga alohida e'tibor qaratilgan. Statistik tahlil va qiyosiy baholashni o'z ichiga olgan aralash metodologik yondashuvdan foydalangan holda, moliyaviy ko'rsatkichlar va turizm sohasining o'sishi o'rtasidagi bog'liqlik aniqlangan. Tadqiqot natijalari shuni ko'rsatadiki, moliyaviy qo'llab-quvvatlashning kuchaytirilishi, investitsiya muhitining yaxshilanishi va resurslarning samarali taqsimlanishi turizm rivojlanishini sezilarli darajada jadallashtiradi. Olingan natijalar asosida O'zbekistonning turizm salohiyatini to'liq ro'yobga chiqarishga qaratilgan moliyaviy strategiyalarni mustahkamlash bo'yicha amaliy tavsiyalar ishlab chiqilgan.

Kalit so'zlar: turizm salohiyati, O'zbekiston, moliyaviy omillar, turizmni rivojlantirish, investitsiyalar, infratuzilmani moliyalashtirish, iqtisodiy o'sish, turizm siyosati.

Аннотация. В данной статье рассматривается туристический потенциал Узбекистана и анализируются ключевые финансовые факторы, влияющие на его развитие. В исследовании оцениваются природные, культурные и исторические ресурсы страны как фундаментальные компоненты туристической привлекательности, при этом особое внимание уделяется роли таких финансовых механизмов, как приток инвестиций, государственные расходы и финансирование инфраструктуры. Используя комбинированный подход, включающий статистический анализ и сравнительную оценку, авторы выявляют взаимосвязь между финансовыми показателями и ростом туристического сектора. Результаты показывают, что увеличение финансовой поддержки, улучшение инвестиционного климата и эффективное распределение ресурсов существенно стимулируют развитие туризма. На основе полученных результатов предложены выводы и рекомендации по укреплению финансовых стратегий, направленных на раскрытие туристического потенциала Узбекистана.

Ключевые слова: туристический потенциал, Узбекистан, финансовые факторы, развитие туризма, инвестиции, финансирование инфраструктуры, экономический рост, туристическая политика.

INTRODUCTION

In recent decades, tourism has emerged as one of the most dynamic and rapidly growing sectors of the global economy, contributing significantly to economic growth, employment generation, and regional development. Many countries have recognized tourism as a strategic industry capable of diversifying economic structures and increasing foreign exchange earnings. In this context, the effective utilization of tourism potential and the development of appropriate financial mechanisms have become critical priorities for national economic policy.

Uzbekistan possesses substantial tourism potential due to its unique combination of historical heritage, cultural richness, and geographical diversity. The country is home to world-renowned cities such as Samarkand, Bukhara, and Khiva, which are included in the UNESCO World Heritage List. In addition to cultural tourism, Uzbekistan also has significant opportunities for developing eco-tourism, pilgrimage tourism, and adventure

tourism. These diverse tourism resources create a strong foundation for sustainable tourism development.

The high potential of Uzbekistan's tourism sector offers substantial opportunities for comprehensive growth. Actively expanding financial support and strategic investments in tourism infrastructure and services will unlock the sector's full capacity. Directing capital investments toward transportation networks, modern accommodation facilities, digital services, and targeted marketing activities serves as a powerful catalyst for development. Consequently, strengthening these financial factors provides a solid foundation for accelerating the pace and expanding the scale of tourism sector growth.

Financial factors influencing tourism development include both public and private investments, foreign direct investment (FDI), government budget allocations, and access to financial resources. An efficient financial system ensures the proper allocation of funds, reduces investment risks, and enhances the attractiveness of the tourism sector for both domestic and foreign investors. Moreover, financial stability and supportive economic policies create favorable conditions for long-term investments in tourism infrastructure.

In recent years, the government of Uzbekistan has undertaken significant reforms aimed at improving the investment climate and promoting tourism development. These reforms include the introduction of tax incentives, simplification of visa procedures, establishment of tourism zones, and expansion of public-private partnership mechanisms. While these measures have contributed to positive trends in the tourism sector, there is still a need for a comprehensive analysis of financial factors and their impact on tourism development.

The main objective of this study is to assess the tourism potential of Uzbekistan and analyze the financial factors that influence its development. In order to achieve this objective, the study addresses the following research questions: What are the key components of Uzbekistan's tourism potential? Which financial factors have the greatest impact on tourism development? How can financial mechanisms be improved to enhance the efficiency of tourism sector growth?

The scientific contribution of this research lies in the integration of tourism potential assessment with financial analysis, providing a comprehensive framework for understanding the role of financial factors in tourism development. The practical significance of the study is reflected in the development of policy recommendations aimed at improving financial strategies and increasing the effectiveness of investments in the tourism sector.

The article is structured as follows: the next section reviews relevant literature on tourism development and financial factors; the methodology section explains the research design and analytical approach; the results section presents empirical findings; and the final section provides conclusions and policy recommendations.

LITERATURE REVIEW

The relationship between tourism development and financial factors has been widely discussed in economic literature, particularly in the context of developing economies. Previous studies emphasize that tourism potential alone is insufficient to ensure sectoral growth unless it is supported by adequate financial resources and effective investment mechanisms.

One of the foundational approaches to understanding investment in tourism is linked to the broader theory of economic development, where capital accumulation plays a central role. According to Dunning's investment paradigm, foreign and domestic investments are primarily driven by location advantages, which include infrastructure quality, market potential, and institutional stability. In the case of tourism, these factors directly influence both investor decisions and tourist flows.

Empirical studies have demonstrated a strong relationship between financial development and tourism growth. For instance, studies on emerging economies show that increased investment in tourism infrastructure—such as hotels, transport systems, and digital services—leads to a significant rise in tourist arrivals and tourism revenues. In particular, countries like Turkey and Malaysia have successfully utilized financial instruments and targeted investments to transform their tourism sectors into major sources of economic growth.

In the context of Central Asia, and specifically Uzbekistan, tourism development has gained increasing attention in recent years. Statistical evidence indicates that the number of international tourists visiting Uzbekistan increased from approximately 2 million in 2016 to over 6.7 million in 2019, reflecting the positive impact of economic reforms and improved investment climate. Although the COVID-19 pandemic caused a sharp decline in tourism activity in 2020, the sector has shown strong recovery, with tourist arrivals reaching nearly 6.6 million again by 2023.

Recent literature also emphasizes the importance of diversified financing sources in tourism development. In addition to foreign direct investment (FDI), domestic investments, public-private partnerships (PPP), and government expenditures play a crucial role. Studies suggest that countries with well-developed financial systems are more successful in attracting investment into tourism and achieving sustainable sectoral growth.

Despite the growing body of research, there is still a lack of comprehensive studies that integrate tourism potential with financial factor analysis in the context of Uzbekistan. Most existing studies focus either on tourism

resources or on investment separately, without providing a combined analytical framework. This research aims to fill this gap by examining how financial factors influence the realization of tourism potential in Uzbekistan.

RESEARCH METHODOLOGY

This study applies an integrated analytical framework to assess Uzbekistan's tourism potential and examine the financial factors that influence its practical realization. Unlike studies that focus only on tourist arrivals or investment inflows, this research combines tourism potential assessment with financial development analysis. Such an approach allows the study to evaluate not only the existing resource base of tourism, but also the financial conditions required to transform this potential into measurable economic outcomes.

The empirical part of the research is based on secondary data covering the period from 2016 to 2023. This period was selected because it includes three important stages in the development of Uzbekistan's tourism sector: the pre-pandemic expansion period, the sharp decline caused by COVID-19, and the post-pandemic recovery phase. The data were collected from national statistical reports, official publications of tourism-related government agencies, and international databases such as the World Bank and UN Tourism. The main indicators used in the study include international tourist arrivals, tourism service exports, investment in fixed capital, budget expenditures related to infrastructure and services, hotel and accommodation capacity, transport infrastructure indicators, and selected macroeconomic variables.

The research methodology consists of three consecutive stages. At the first stage, Uzbekistan's tourism potential is evaluated through a multidimensional assessment. In this stage, tourism potential is interpreted as a combination of cultural-historical resources, natural and ecological attractions, transport accessibility, accommodation capacity, service infrastructure, and regional tourism concentration. Since tourism potential cannot be measured by a single indicator, the study applies an index-based approach. Each selected indicator is normalized in order to make variables with different units comparable. The normalized indicators are then grouped into three blocks: resource potential, infrastructure potential, and market potential.

At the second stage, the financial factors influencing tourism development are analyzed. Particular attention is given to investment in fixed capital, foreign direct investment, public infrastructure financing, credit availability for tourism-related businesses, and macroeconomic stability. These factors are selected because tourism development requires long-term financing for hotels, roads, airports, digital platforms, cultural heritage preservation, and service facilities. Therefore, the study considers financial factors not only as sources of funding, but also as instruments that determine the speed, scale, and sustainability of tourism growth.

At the third stage, the relationship between financial factors and tourism performance is examined using comparative dynamics and elasticity analysis. Instead of relying only on a standard regression equation, this study uses year-by-year changes to identify how financial variables correspond with changes in tourism outcomes. This is important because the tourism sector in Uzbekistan experienced a structural shock during the COVID-19 period, and a simple linear model may not fully capture this disruption. For this reason, the analysis compares pre-pandemic, pandemic, and recovery-period indicators separately.

The tourism development indicator in this study is measured through two main variables: international tourist arrivals and tourism service exports. The use of two indicators makes the analysis more reliable, because tourist arrivals reflect physical demand, while tourism exports reflect the monetary contribution of the sector. Financial factors are represented by investment volume, public spending on infrastructure, and foreign investment inflows. Infrastructure development is assessed through accommodation capacity, transport accessibility, and the expansion of tourism-related services.

To assess the financial sensitivity of tourism development, the following elasticity approach is used:

$$E_{TF} = \frac{\% \Delta TD}{\% \Delta F}$$

In this formula, represents the elasticity of tourism development with respect to a selected financial factor, TD denotes tourism development, and F refers to a financial variable such as investment volume, public infrastructure expenditure, or foreign investment inflows. This approach allows the study to determine how responsive tourism outcomes are to changes in financial support.

In addition, a tourism potential realization ratio is calculated in order to compare the country's available tourism resources with actual tourism performance:

$$TPR = \frac{TP}{TP_o} \times 100$$

Here, TPR represents the tourism potential realization ratio, TP denotes actual tourism performance, and TP_o refers to estimated tourism potential based on resource, infrastructure, and market indicators. This indicator

helps to identify whether Uzbekistan's tourism potential is being fully utilized or whether there remains a gap between available opportunities and actual sectoral outcomes.

The methodological advantage of this approach is that it avoids evaluating tourism development only through one-dimensional indicators. Instead, it combines resource-based assessment, financial factor analysis, and performance dynamics. This makes it possible to identify not only whether tourism is growing, but also which financial mechanisms are most important for transforming Uzbekistan's tourism potential into sustainable economic results.

Certain limitations should also be acknowledged. First, some tourism-related financial data are not fully disaggregated by sector, which may limit the precision of investment analysis. Second, the COVID-19 pandemic created an abnormal decline in tourism indicators, making long-term trend interpretation more complex. Nevertheless, the selected methodology is suitable for examining Uzbekistan's tourism sector because it reflects both the country's resource potential and the financial mechanisms needed for its development.

ANALYSIS AND RESULTS

The empirical analysis focuses on examining the relationship between Uzbekistan's tourism performance and key financial factors over the period 2016–2023. This period reflects three distinct phases: rapid expansion (2016–2019), pandemic-induced contraction (2020–2021), and recovery (2022–2023). Such segmentation allows for a more nuanced interpretation of how financial mechanisms influence tourism development under different economic conditions.

Statistical evidence indicates that Uzbekistan's tourism sector experienced significant growth prior to the COVID-19 pandemic. International tourist arrivals increased from approximately 2.0 million in 2016 to 6.7 million in 2019, representing more than a threefold increase. This growth can be largely attributed to policy reforms, including visa liberalization, improved international connectivity, and initial investments in tourism infrastructure.

However, in 2020, the sector experienced a sharp decline due to global travel restrictions, with tourist arrivals dropping dramatically. Despite this disruption, the recovery phase has been relatively strong. By 2023, tourist arrivals had nearly returned to pre-pandemic levels, reaching approximately 6.5–6.6 million visitors. At the same time, tourism service exports showed a similar pattern, reflecting the resilience of the sector.

These trends suggest that Uzbekistan possesses substantial tourism potential, but its realization is highly sensitive to external shocks and internal financial conditions.

Table 1
Tourism and Financial Indicators (Uzbekistan, 2016–2023)

Year	Tourists (mln)	Tourism Revenue (\$ bn)	FDI (\$ bn)	Govt Spending (\$ bn)
2016	2.0	0.6	1.6	4.5
2017	2.7	0.8	2.4	5.2
2018	5.3	1.1	3.3	6.0
2019	6.7	1.5	4.2	6.8
2020	1.5	0.3	3.8	7.5
2021	1.9	0.4	4.1	8.0
2022	5.2	1.2	4.8	8.7
2023	6.6	1.9	5.5	9.5

The data clearly illustrate the structural transformation of Uzbekistan's tourism sector. Between 2016 and 2019, tourist arrivals increased from 2.0 million to 6.7 million, accompanied by a parallel rise in tourism revenues from \$0.6 billion to \$1.5 billion. This period coincided with a substantial increase in foreign direct investment and government expenditure, indicating a strong relationship between financial support and tourism expansion.

The sharp decline observed in 2020 reflects the global impact of the COVID-19 pandemic rather than domestic financial conditions. Despite relatively stable investment levels, tourist arrivals dropped significantly, highlighting the vulnerability of tourism to external shocks.

During the recovery period (2021–2023), the gradual increase in both FDI and public spending contributed to the restoration of tourism activity. By 2023, tourist arrivals had nearly returned to pre-pandemic levels, while tourism revenues exceeded previous records, suggesting improvements in service quality and spending per visitor.



Figure 1. Tourist Arrivals in Uzbekistan (2016–2023)

Source: State Statistics Committee of Uzbekistan; author's calculations.

Figure 1 illustrates the dynamics of tourist arrivals in Uzbekistan over the period 2016–2023. The data show a steady increase in the number of visitors from 2.0 million in 2016 to a peak of 6.7 million in 2019, reflecting the positive impact of tourism reforms and improved investment conditions. However, in 2020, tourist arrivals dropped sharply to 1.5 million due to the global COVID-19 pandemic. In the subsequent years, the sector demonstrated a strong recovery, reaching 6.6 million visitors by 2023. This trend highlights both the vulnerability of tourism to external shocks and its resilience supported by financial investments and policy measures.

The analysis of financial indicators reveals a steady increase in investment activity related to tourism and infrastructure. In particular, investments in fixed capital—especially in the hospitality sector, transport networks, and urban infrastructure—have expanded significantly over the study period.

Foreign direct investment (FDI) has also played a growing role, although its contribution remains relatively moderate compared to domestic investment. The majority of tourism-related investments have been driven by state programs and public-private partnership initiatives. Government expenditures have focused on infrastructure modernization, including road construction, airport expansion, and the development of tourism zones.

At the same time, financial constraints remain evident. Access to long-term financing for small and medium-sized tourism enterprises is still limited, and regional disparities in infrastructure development persist. These factors indicate that while financial support has increased, its distribution and efficiency remain uneven.

To better understand the relationship between financial inputs and tourism outcomes, the study examines the responsiveness of tourism indicators to changes in financial variables. The analysis shows that increases in investment are generally associated with improvements in tourism performance, particularly in terms of service capacity and visitor numbers.

For example, during the period of rapid growth (2016–2019), higher levels of investment coincided with significant increases in tourist arrivals. In contrast, during the pandemic period, financial inputs remained relatively stable, but tourism performance declined sharply due to external constraints. This indicates that while financial factors are critical, they are not the only determinants of tourism development.

During the recovery phase, renewed investment activity and government support contributed to the rebound of the tourism sector. This suggests that financial mechanisms play a crucial role in restoring tourism growth after periods of decline.

An important aspect of the analysis is the comparison between Uzbekistan's tourism potential and its actual performance. Despite the country's rich cultural heritage and growing infrastructure, the sector still operates below its full potential.

The tourism potential realization ratio indicates that only a portion of the available resources is effectively utilized. This gap can be explained by several factors, including insufficient service diversification, limited international marketing, and uneven regional development. Financial constraints also play a role, particularly in less developed regions where investment levels remain low.

The analysis leads to several important findings. First, tourism development in Uzbekistan is strongly influenced by financial factors, particularly investment in infrastructure and public spending. Second, while financial inputs have increased in recent years, their impact is mediated by external conditions such as global travel trends. Third, there remains a significant gap between tourism potential and actual performance, indicating the need for more efficient financial strategies.

Overall, the results demonstrate that financial factors are necessary but not sufficient conditions for tourism development. Their effectiveness depends on how well they are aligned with broader economic policies and sector-specific strategies.

CONCLUSION AND RECOMMENDATIONS

This study examined the tourism potential of Uzbekistan and analyzed the key financial factors influencing its development. The findings confirm that Uzbekistan possesses significant tourism potential based on its rich cultural heritage, historical assets, and growing infrastructure base. However, the realization of this potential remains uneven and largely dependent on the availability, structure, and efficiency of financial resources.

The empirical analysis demonstrated that financial factors—particularly investment in infrastructure, government expenditure, and foreign direct investment—play a decisive role in shaping tourism development outcomes. The rapid growth of tourist arrivals between 2016 and 2019 was closely associated with increased financial support and policy reforms. Conversely, the sharp decline in 2020 highlighted the vulnerability of the sector to external shocks, while the recovery period emphasized the importance of sustained financial backing and adaptive policy measures.

One of the key conclusions of the study is that tourism potential alone does not guarantee sectoral growth. Instead, it must be supported by a well-functioning financial system that ensures efficient allocation of resources, reduces investment risks, and encourages both domestic and foreign participation.

Based on these findings, several policy recommendations can be proposed. First, it is essential to enhance the effectiveness of investment allocation in the tourism sector. This includes prioritizing infrastructure projects with high economic returns, such as transport connectivity, accommodation facilities, and digital tourism platforms. Improving the efficiency of public spending will significantly increase the impact of financial resources on tourism development.

Second, the investment climate should be further strengthened to attract foreign direct investment. This can be achieved by simplifying administrative procedures, ensuring regulatory transparency, and providing long-term policy stability. Special attention should be given to creating favorable conditions for investors in regions with high tourism potential but low development levels.

Third, the role of public-private partnerships (PPP) should be expanded. PPP mechanisms can help mobilize additional financial resources, share investment risks, and improve project implementation efficiency. This is particularly important for large-scale tourism infrastructure projects that require significant capital investment.

Fourth, financial support mechanisms for small and medium-sized enterprises (SMEs) in the tourism sector should be improved. Access to credit, preferential financing programs, and targeted subsidies can enhance the capacity of local businesses and contribute to the diversification of tourism services.

Finally, it is important to integrate financial strategies with broader tourism development policies. This includes improving international marketing, developing new tourism products, and strengthening regional tourism clusters. A coordinated approach will ensure that financial resources are aligned with long-term development objectives.

In conclusion, the sustainable development of tourism in Uzbekistan requires not only the effective use of its natural and cultural potential, but also the implementation of comprehensive financial strategies. Strengthening the link between tourism potential and financial mechanisms will play a crucial role in transforming the sector into a major driver of economic growth.

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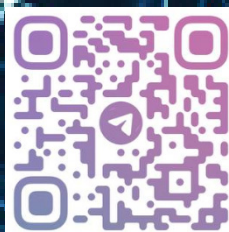
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