

# ECONOSCITECH INTEGRATION

ISSUE  
5

INTERNATIONAL SCIENTIFIC  
ELECTRONIC JOURNAL



TOSHKENT DAVLAT  
IQTISODIYOT UNIVERSITETI



American University  
of Technology

Powered by Arizona State University®

ISSN: 3060-5075



Acceptance of articles

**PUBLISHED EVERY MONTHLY**



ARTICLE CONTRIBUTORS

**PROFESSORS-TEACHERS, SPECIALISTS  
AND SCIENTIFIC RESEARCHERS.**



Google  
Scholar

Academic  
Resource  
Index  
ResearchBib

BASE

OpenAIRE

doi  
Digital  
Object  
Identifier

OPEN ACCESS

CONTACT:



+998 94 3540880



<https://econoscitech-integration-journal.uz>



2026



**EDITOR-IN-CHIEF:**

**Zufarova Nozima Gulamiddinovna**  
DSc., Dean of Tourism Faculty, TSUE

**DEPUTY EDITOR-IN-CHIEF:**

**Makhmudov Nosir Makhmudovich**  
DSc., Prof., Academician

**DEPUTY EDITOR-IN-CHIEF:**

**Suyunov Dilmurod Xolmurodovich**  
Doctor of Economics (DSc), Professor,

**DEPUTY EDITOR-IN-CHIEF:**

**Allayarov Shamsiddin Amanullayevich**  
doctor of economics (DSC), professor

**RESPONSIBLE SECRETARY:**

**Otaboyev Axmed Maxsudbek o'g'li**  
TSUE independent researcher

THE SCIENTIFIC-POPULAR  
ELECTRONIC JOURNAL  
"ECONOSCITECH-INTEGRATION"  
HAS BEEN REGISTERED UNDER  
THE NUMBER C-5669651 BY THE  
AGENCY FOR INFORMATION AND  
MASS COMMUNICATIONS (AOKA)  
OF THE REPUBLIC OF UZBEKISTAN,  
EFFECTIVE FROM OCTOBER 9, 2024.

In accordance with Resolution No. 384/6 dated April 10, 2026, issued by the Presidium of the Supreme Attestation Commission under the Ministry of Higher Education, Science and Innovation of the Republic of Uzbekistan, this journal is included in the list of recommended international scientific publications for publishing the primary research findings of doctoral dissertations in the field of Economic Sciences.

Partners: Tashkent State University of Economics / American University of Technology in Tashkent (AUT)

Electronic publication, Issue 5. 115 pages.  
Approved for publication on May, 2026.

**Editorial Board Members:**



**Sharipov Kongratbay Avezimbetovich,**  
Doctor of Technical Sciences (DSc), Professor



**Teshabayev To'Iqin Zakirovich,**  
Doctor of Economic Sciences (DSc), Professor



**Said Irandoust,**  
Doctor of Chemical Engineering Sciences,  
Professor



**Abdurakhmanova Gulnora Kalandarovna,**  
Doctor of Economic Sciences (DSc), Professor



**Khudoykulov Sadirdin Karimovich,**  
Doctor of Economics, (DSc), Professor



**Tokunaga Masahiro,**  
professor, PhD of Economics of the Faculty of  
Business and Commerce



**Debasis Das,**  
professor Department of Computer Science



**Nitin Goje,**  
professor and Program Lead - Computer Science



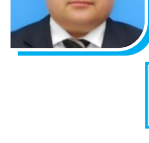
**Nargizakhon Shamshieva**  
Doctor of Economic Sciences, Professor



**Rakhmonov Norim Razzakovich,**  
Doctor of Economic Sciences (DSc), Professor



**Bayxonov Bahodirjon Tursunbayevich**  
Doctor of Science (DSc), Professor



**Shomurodov Ravshan Tursunkulovich,**  
PhD, Associate Professor



**Boymuratov Abduraxmat Djumayevich**  
Associate Professor

**Sharopova Nafosat Radjabovna**  
DSc, Associate Professor

# CONTENTS

FOREIGN EXPERIENCE IN THE EFFECTIVE ORGANIZATION OF FREE ECONOMIC ZONES.....	51
<b>Mamadiev Elyor</b>	
IMPROVING ORGANIZATIONAL AND ECONOMIC MECHANISMS FOR THE ESTABLISHMENT AND DEVELOPMENT OF FAMILY GUEST HOUSES .....	55
<b>Boynazarov Ulugbek Egamberdievich</b>	
IMPROVING METHODS OF ORGANIZING AND DEVELOPING DOMESTIC TOURISM MARKETS IN UZBEKISTAN .....	61
<b>Daminov Mirvokhid Isroilovich</b>	
THE IMPACT AND SIGNIFICANCE OF INFRASTRUCTURE IN THE DEVELOPMENT OF THE TOURISM SECTOR.....	67
<b>Dilsora Ibodovna Ibodova</b>	
IMPACT OF STUDENTS AGED OVER 40 ON ECONOMIC ACTIVITY AND BUDGETING BASED ON THE COMPETENCY ECOSYSTEM.....	74
<b>Nigora Ikrom qizi Primova</b>	
ОЦЕНКА ЭФФЕКТИВНОСТИ ПРОМЫШЛЕННЫХ ПРЕДПРИЯТИЙ ХОРЕЗМСКОЙ ОБЛАСТИ: ЭКОНОМЕТРИЧЕСКОЕ МОДЕЛИРОВАНИЕ И СЦЕНАРНОЕ ПРОГНОЗИРОВАНИЕ НА 2026–2030 ГОДЫ .....	80
<b>Юсупов Шерзодбек Бахтиёр угли</b>	
IMPROVING THE METHODOLOGY FOR ASSESSING THE PROCUREMENT MANAGEMENT SYSTEM IN COMMERCIAL ENTERPRISES .....	87
<b>Ergashev Jahongir Bakhodirovich</b>	
MULTIVARIATE ECONOMETRIC ANALYSIS OF FACTORS AFFECTING HOUSEHOLD INCOME IN SURXONDARYO REGION .....	93
<b>Abdunazarova Shahnoza Norquchqor qizi</b>	
СРАВНИТЕЛЬНЫЙ АНАЛИЗ ГОСУДАРСТВЕННЫХ ЦИФРОВЫХ УСЛУГ АЗЕРБАЙДЖАНА И УЗБЕКИСТАНА.....	99
<b>Юсифов Магамед Исмаил оглу, Гасанли Расул Шахин оглу, Белалова Гузаль Анваровна</b>	
SUSTAINABLE DEVELOPMENT OF THE MINING INDUSTRY IN THE CONTEXT OF THE GREEN ECONOMY.....	105
<b>Xudayberdiyeva Kamila Sadillovna, Fozilova Zumrad Ahmadovna</b>	
IMPROVING THE ECONOMIC EFFICIENCY OF CLOTHING MANUFACTURING ENTERPRISES IN UZBEKISTAN THROUGH DIGITAL TRANSFORMATION .....	111
<b>Axmedova Gaziza Azim kizi</b>	

# IMPROVING THE ECONOMIC EFFICIENCY OF CLOTHING MANUFACTURING ENTERPRISES IN UZBEKISTAN THROUGH DIGITAL TRANSFORMATION

**Axmedova Gaziza Azim kizi**

Independent researcher at TSUE

**Abstract:** The article examines the main directions for improving the economic efficiency of garment manufacturing enterprises in Uzbekistan under conditions of industrial modernization and increasing global competition. The study analyzes the impact of digital technologies, resource-saving mechanisms, labor productivity, and modern management methods on industry development. Special attention is paid to factors affecting production costs, profitability, and enterprise competitiveness. The research is based on comparative analysis, statistical methods, and a systematic approach. The findings show that the introduction of digital technologies and modern management systems contributes to higher production efficiency and strengthens the position of enterprises in international markets.

**Key words:** economic efficiency, garment industry, clothing manufacturing, textile enterprises, Uzbekistan, competitiveness, digital technologies, innovation management.

**Аннотация:** Статья посвящена вопросам повышения экономической эффективности предприятий швейной промышленности Узбекистана в условиях модернизации и усиления глобальной конкуренции. Исследуется влияние цифровых технологий, ресурсосбережения, производительности труда и современных методов управления на развитие отрасли. Особое внимание уделено факторам, влияющим на себестоимость продукции, прибыльность и конкурентоспособность предприятий. В работе использованы сравнительный анализ, статистические методы и системный подход. Результаты исследования показывают, что внедрение цифровых технологий и современных систем управления способствует росту эффективности производства и укреплению позиций предприятий на международном рынке.

**Ключевые слова:** экономическая эффективность, швейная промышленность, производство одежды, текстильные предприятия, Узбекистан, конкурентоспособность, цифровые технологии, инновационный менеджмент.

## INTRODUCTION

The garment and textile industry is considered one of the strategically important sectors of Uzbekistan's economy. In recent years, large-scale reforms aimed at industrial modernization, export diversification, and the development of value-added production have significantly increased the role of clothing manufacturing enterprises in national economic growth [1]. The government's industrial policy has stimulated the expansion of textile clusters, modernization of production facilities, and attraction of foreign investment into the sector.

At the same time, enterprises operating in the garment industry face several economic challenges associated with increasing production costs, global competition, technological transformation, and instability in international supply chains. Under such conditions, improving economic efficiency becomes one of the key priorities for sustainable industrial development.

Economic efficiency in clothing manufacturing enterprises is determined not only by profitability indicators but also by labor productivity, resource utilization, production quality, innovation capacity, and management effectiveness. The transition toward digital production systems and modern enterprise management creates additional opportunities for improving competitiveness and reducing operational costs [2].

In recent years, Uzbekistan has actively implemented industrial reforms focused on increasing export potential and introducing digital technologies into textile and garment enterprises. According to official reports, textile industry production volumes exceeded 134 trillion soums, while textile exports reached 2.5 billion US dollars in 2025 [9]. Such changes indicate the growing importance of technological modernization and innovation-oriented management in ensuring sustainable industrial growth.

The purpose of this study is to analyze the main factors influencing the economic efficiency of clothing manufacturing enterprises in Uzbekistan and to identify practical mechanisms for improving enterprise performance under modern economic conditions.

## REVIEW OF LITERATURE ON THE SUBJECT

The issue of improving economic efficiency in textile and garment enterprises has been widely discussed in economic and industrial research. Scholars emphasize that efficiency in this sector is closely linked to productivity growth, technological modernization, participation in global value chains, and effective resource management. In conditions of global competition and supply chain integration, garment manufacturing is considered a key labor-intensive industry that plays an important role in industrial development and export expansion.

Foreign researchers highlight the role of global production systems and innovation in increasing industrial efficiency. For example, Gary Gereffi explains that upgrading within global value chains—from simple assembly to design and branding—significantly improves firm competitiveness [6]. In addition, Christopher Freeman emphasizes that technological learning and innovation systems are crucial drivers of long-term industrial productivity and efficiency [7].

In Russian and CIS literature, efficiency issues are mainly linked to modernization and productivity improvement in industrial sectors. Abel Aganbegyan stresses that industrial modernization and investment in technology are key factors of economic growth and competitiveness. Similarly, regional studies in post-Soviet economies show that efficiency in textile and light industry depends on technological upgrading, scale optimization, and integration into export-oriented production systems [8].

In Uzbekistan, researchers focus on practical mechanisms of efficiency improvement in textile and garment enterprises. Khalmatov highlights the positive impact of digital technologies such as ERP systems on labor productivity and cost reduction [11]. Sarimsaqov and Nurmammedov emphasize the role of innovation management and human capital in increasing enterprise performance [12], while Yakhyaeva underlines that rational resource utilization and resource-saving technologies directly improve profitability and production efficiency [13].

## RESEARCH METHODOLOGY

The research is based on a systematic and comparative analytical approach using both qualitative and quantitative methods to assess the economic efficiency of clothing manufacturing enterprises in Uzbekistan.

Statistical analysis was applied to key indicators such as production output, labor productivity, profitability, and exports in the textile sector. Comparative analysis was used to evaluate the impact of technological modernization and digital transformation on enterprise performance.

The study also relies on scientific literature, official reports, and international studies, applying synthesis, observation, and logical analysis to examine the relationship between innovation, resource use, and economic efficiency.

## ANALYSIS AND RESULTS

The analysis demonstrates that the economic efficiency of clothing manufacturing enterprises in Uzbekistan depends on several interconnected factors, including technological modernization, labor productivity, digitalization, and effective resource management.

One of the major problems faced by garment enterprises is the high share of production costs associated with energy consumption, raw materials, and labor-intensive production processes. Enterprises using outdated technologies experience lower productivity and reduced competitiveness in export markets.

At the same time, enterprises implementing digital management systems and automated production technologies demonstrate higher economic performance. The introduction of ERP systems, automated cutting technologies, and digital quality control mechanisms contributes to reducing production losses and improving operational efficiency (Table 1) [11].

Table 1. Main Factors Affecting Economic Efficiency of Clothing Manufacturing Enterprises<sup>1</sup>

Factors	Positive Impact on Efficiency	Expected Result (Economic Effect)
Digital technologies	Reduction of operational costs	Higher overall profitability
Automation	Growth of labor productivity	Increased production volume
Resource-saving technologies	Efficient use of raw materials	Lower production cost
Innovation management	Improvement of competitiveness	Expansion of market share
Workforce qualification	Higher production quality	Reduction of defects and waste
Cluster cooperation	Cluster cooperation	Improved supply chain efficiency

Another important factor is labor productivity. Modern training systems and investment in human capital improve production quality and reduce operational inefficiencies. Innovative management practices also strengthen enterprise adaptability to changing market conditions [12].

Recent industrial reforms in Uzbekistan demonstrate that improving the economic efficiency of clothing manufacturing enterprises has become one of the strategic priorities of national industrial policy. According to official industrial reports, textile production in Uzbekistan reached 134 trillion soums in 2025, while exports increased to 2.5 billion US dollars [4]. These indicators confirm the growing importance of the textile and garment sector in the country's industrial development.

The study also revealed that export-oriented enterprises achieve higher profitability due to broader market access and improved product quality standards. Integration into global value chains encourages enterprises to modernize production and implement international management standards.

In recent years, more than 66 Uzbek textile and garment enterprises have established cooperation with international brands such as LC Waikiki, The North Face, and Inditex [10]. Such partnerships stimulate technological modernization, improve quality standards, and strengthen the competitiveness of domestic enterprises in global markets.

Furthermore, international organizations recognize the positive dynamics of modernization processes in Uzbekistan's garment industry. UNIDO highlighted that the implementation of digital tools, branding strategies, and sustainable production mechanisms significantly improves industrial competitiveness and export opportunities [5].

The mechanism for improving economic efficiency in garment enterprises includes technological modernization, strategic management, workforce development, resource optimization, and export expansion. These factors collectively contribute to productivity growth, reduction of operational costs, and increased profitability.

The implementation of cluster systems in Uzbekistan's textile industry also creates favorable conditions for industrial cooperation and efficient resource distribution. Enterprises operating within textile clusters benefit from reduced transaction costs, optimized logistics systems, and improved supply chain management (Figure 1) [5].



Figure 1. Integrated Mechanism for Improving Economic Efficiency of Clothing Manufacturing Enterprises<sup>2</sup>

1 Source: compiled by the author.

2 Source: compiled by the author.

The research confirms that sustainable economic efficiency cannot be achieved solely through cost reduction. Long-term competitiveness requires technological innovation, strategic management, workforce development, digital transformation, and adaptation to global market requirements.

## CONCLUSIONS AND SUGGESTIONS

The study confirms that improving the economic efficiency of clothing manufacturing enterprises in Uzbekistan is closely linked to technological modernization, digital transformation, and effective management. The garment industry plays an important role in industrial development, employment, and export growth, while innovation, automation, and resource-saving technologies contribute to higher productivity, lower costs, and improved competitiveness. Cluster cooperation and integration into global value chains further strengthen the position of Uzbek enterprises in international markets. Overall, sustainable development of the sector requires continued modernization, workforce development, and digitalization to enhance efficiency and expand export potential.

## REFERENCES:

1. Decree of the President of the Republic of Uzbekistan No. DP-6 dated 16 January 2025 "On additional measures to develop the processing chain in the textile and garment industry". URL: <https://lex.uz/uz/docs/7332448>
2. Ministry of Investment, Industry and Trade of the Republic of Uzbekistan. Textile and garment industry development reports, 2024–2025.
3. World Bank. Uzbekistan Digital Economy Diagnostic Report. Washington, DC, 2023.
4. Agency of Statistics under the President of the Republic of Uzbekistan. Industrial and export statistics of textile sector, 2025.
5. United Nations Industrial Development Organization (UNIDO). Industrial Development Report 2020. Vienna: UNIDO.
6. Gereffi G. (1999). International trade and industrial upgrading in the apparel commodity chain. *Journal of International Economics*.
7. Freeman C. (1995). *National Innovation Systems: A Comparative Analysis*. Oxford University Press.
8. Aganbegyan A. G. (2010). *Modernization of the Russian economy*. Moscow: Delo.
9. International Labour Organization (ILO). *Global Textile and Garment Industry Report*, 2022.
10. <https://www.gazeta.uz/ru/2025/08/27/textile/?ysclid=moyi7nkh5y751440997>
11. Khalmatov T. Digital technologies in light industry enterprises. 2025.
12. Саримсаков Д., Нурмухаммедов Х. Вопросы повышения эффективности инновационного менеджмента на предприятиях текстильной и швейной промышленности // *International Journal of Social Science & Interdisciplinary Research*. — 2025.
13. Яхьяева И. Пути рационального использования сырья в организации экономического производства на текстильных предприятиях // *Economics and Innovative Technologies*. — 2023.

**Proofreader:** Xondamir Ismoilov  
**Layout and Designer:** Oloviddin Sobir ugli

---

## 2026. № 5

---

© When materials are reproduced, the ECONOSCITECH-INTEGRATION journal must be cited as the source. Authors are responsible for the accuracy of the information in materials and advertisements published in the journal. Editorial opinions may not always align with those of the authors. Submitted materials will not be returned to the editorial office.

To publish articles in this journal, you may submit articles, advertisements, stories, and other creative materials through the following links. Materials and advertisements are published on a paid basis.

You may subscribe to the journal at any time using the following details. Once subscribed, please send a screenshot or photo of your payment confirmation to our Telegram page @iqtisodiyot\_77. Based on this, we will send the latest issue of the journal to your address each month.

**Our address:** Tashkent city, Yunusobod district, 19th block, House 17.

