

The poster features a background image of the United States Capitol building in Washington, D.C., with the American flag waving in the top right corner. The text is overlaid on this background. The main title 'USA' is in large red letters, followed by 'INTERNATIONAL SCIENTIFIC ONLINE CONFERENCE' in smaller black letters. Below this, the theme 'INNOVATION IN THE MODERN EDUCATION SYSTEM' is written in large black letters. To the right of the theme is the ISOC logo, which consists of a circular emblem with an atomic symbol and the text 'INTERNATIONAL SCIENTIFIC ONLINE CONFERENCES', followed by 'ISOC' in large blue letters and 'INTERNATIONAL SCIENTIFIC ONLINE CONFERENCES' in smaller blue letters. At the bottom left, a calendar icon is next to the date '25 FEBRUARY 2025 YEAR'. At the bottom center, 'USA, WASHINGTON' is written in large white letters. At the bottom, a red banner contains the email 'Info.interconf@mail.ru' and the website 'www.interonconf.org' in white.

# USA

INTERNATIONAL SCIENTIFIC  
ONLINE CONFERENCE

## INNOVATION IN THE MODERN EDUCATION SYSTEM



**ISOC**  
INTERNATIONAL  
SCIENTIFIC  
ONLINE  
CONFERENCES



25 FEBRUARY  
2025 YEAR

## USA, WASHINGTON

[Info.interconf@mail.ru](mailto:Info.interconf@mail.ru)

[www.interonconf.org](http://www.interonconf.org)



# INNOVATION IN THE MODERN EDUCATION SYSTEM

**Part 49**

**FEBRUARY 2025**

**COLLECTIONS OF SCIENTIFIC WORKS**

Washington, USA  
25<sup>th</sup> FEBRUARY 2025

**INNOVATION IN THE MODERN EDUCATION SYSTEM:** a collection scientific works of the International scientific conference (25<sup>th</sup> February , 2025) – Washington, USA: "CESS", 2025. Part 49 – 286p.

**Editorial board:**

**Martha Merrill**, PhD Kent State University, USA

**David Pearce**, ScD Washington, D.C., USA

**Emma Sabzalieva**, PhD Toronto, Canada

**Nikadambayeva Hilola Batirovna**, Candidate of Pedagogical Sciences,  
docent

**Pirimov Akram Pirimovich**, docent

**Shodiyev Furqat Davranovich**, Candidate of Technical Sciences, docent

**Languages of publication:** русский, english, казахша, o'zbek, limba română,  
кыргыз тили, Azərbaycan

The collection consists of scientific research of scientists, graduate students and students who took part in the International Scientific online conference "**INNOVATION IN THE MODERN EDUCATION SYSTEM**". Which took place in Washington on February 25, 2025.

Conference proceedings are recommended for scientists and teachers in higher education establishments. They can be used in education, including the process of post - graduate teaching, preparation for obtain bachelors' and masters' degrees. The review of all articles was accomplished by experts, materials are according to authors copyright. The authors are responsible for content, researches results and errors.

© "CESS", 2025  
© Authors, 2025



<b>Qurbonova Nigina Aminjon qizi</b> "ALISHER NAVOIYNING "DEVONIY FONIY"ASARIDAGI SHAYX SA'DIY SHEROZIY G'AZALLARIGA YOZGAN TATABBUSI"	<b>198</b>
<b>Rakhmatov M</b> <b>Rakhimov Mardon</b> THE EFFECT OF RADIOACTIVE IONIZING RADIATION ON THE HUMAN BODY	<b>208</b>
<b>Sheraliyev Xayitali Ro'zaliyevich</b> OZIQ-OVQAT VA JAMOAT XAVFSIZLIGINI TA'MINLASHDA ILG'OR XORIJIY MAMLAKATLAR TAJRIBASI	<b>212</b>
<b>Mirzaxo'jayev Xalilulloh</b> NAY CHOLG'USI: TARIXI, XUSUSIYATLARI VA MAQOM SAN'ATIDAGI O'RN	<b>215</b>
<b>Mustafoqulova Sevara Xasan qizi</b> <b>Madieva Madina Yusupovna</b> INGILIZ TILINI IKKINCHI TIL SIFATIDA O'RGATISHDAGI MUAMMOLARGA SAMARALI YECHIMLAR	<b>218</b>
<b>Razzoqov Elyos Odil o'g'li</b> <b>Abdujalilov Ozodbek</b> MODUL QATNASHGAN TENGLAMA VA TENGSIZLIKLAR	<b>222</b>
<b>Аминов Шариф Насимович</b> <b>Мирсалихова Гузал Алоутдиновна</b> ЁШЛАРДА ЭКСТРЕМИЗМГА ҚАРШИ ИММУНИТЕТНИ ШАКЛЛАНТИРИШ ЙЎНАЛИШЛАРИ	<b>227</b>
<b>Рашидов Шахзод Мансур ўғли</b> ГИЁҲВАНДЛИК ВОСИТАЛАРИНИНГ НОҚОНУНИЙ АЙЛАНИШИ БИЛАН БОҒЛИҚ ЖИНОЯТЛАРНИНГ ОЛДИНИ ОЛИШДА АЙРИМ ХОРИЖИЙ ДАВЛАТЛАР ТАЖРИБАСИ	<b>238</b>
<b>Nasirova Nodira Khapizovna</b> NEUROLOGICAL DISEASES IN CHILDREN	<b>246</b>
<b>Elmurodov Elyor Egamberdiyevich</b> YARIMO'TKAZGICHLI MATERIALLARNING ASOSIY XOSSALAR	<b>249</b>
<b>Rahmatullayeva Mushtariy Maxmudovna</b> SHARQIY SURXONDARYO DIALEKTAL LEKSIKASIGA OID UY-RO'ZG'OR BUYUMLARI NOMLARI SEMANTIKASI	<b>252</b>
<b>Kosanova Mehriban Orazbay qizi</b> MAKTABGACHA TA'LIMDA IJODIY O'YINLAR VA ULARNING BOLA RIVOJLANISHIGA TA'SIRI	<b>256</b>
<b>Qosimova Hilola Jamshedovna</b> <b>Xayrullayeva Lola Lutfullayevna</b> "BUSINESS MANAGEMENT: WAYS TO ACHIEVE DOMINANCE IN THE MARKET"	
<b>Usmonova Maftuna Shukhratovna</b> <b>Giyazova Nozima Bayazovna</b>	<b>262</b>

FOREIGN EXPERIENCE IN THE DEVELOPMENT OF MOBILE INTERNET	
<b>Raimov Sheroz</b> YAQIN SHARQ MINTAQASIGA GEOGRAFIK TAVSIF	<b>269</b>
<b>Abduvahobova Shakhzoda Shavkatjon's girl</b> <b>Muminjonava Iroda Qahramon's girl</b> THE EFFECTIVENESS OF COMMUNICATION LANGUAGE TEACHING IN MODERN EDUCATION	<b>274</b>
<b>Qurbanov Farhod Umarovich</b> KO'Z SHILLIQ QAVATINING YALLIG'LANISHI	<b>277</b>
<b>Mirraximova Saida Shuxratovna</b> <b>Azimov Sodiq Sayitovich</b> HARBIY XIZMATCHILARDA QURUQ KO'Z SINDROMINING PROFILAKTIKASI	<b>283</b>

## FOREIGN EXPERIENCE IN THE DEVELOPMENT OF MOBILE INTERNET

Usmonova Maftuna Shukhratovna

*Bukhara State University Faculty of Economics and Tourism 3rd year student*

Giyazova Nozima Bayazovna

*Bukhara State University Faculty of Economics and Tourism Associate Professor of the Department of Economics, PhD in Economics*

**Abstract:** *This article cites the development of the digital economy in the context of globalization and its importance, the dynamics of growth rates of the mobile internet, as well as foreign experience.*

**Keywords:** *digital economy, mobile internet, email, mobile payments, IoT (Internet of Things), navigation, transformation, innovative technologies, cyberattack.*

Mobile Internet has become an integral part of people's daily lives today. While in previous years it was possible to access the Internet only through computers, today it has become easy and convenient for everyone to connect to the Internet using mobile devices. The ability to access the Internet through mobile phones, tablets, smartwatches, and other mobile devices has provided speed, convenience, and constant communication. The development of this technology has led to fundamental changes not only in communication methods but also in education, business, social life, and many other areas. Along with the rise of mobile Internet, new opportunities have opened up for users, such as remote work, online education, and quick access to any information. This technology plays an important role in the rapid development of not only personal needs but also economic and social spheres. The future of mobile Internet is opening the way to new horizons through more innovative technologies and digital transformations.

The digital economy, so the implementation of economic activities based on information technology (IT) and the Internet, is a process that began at the end of the 20th century and is currently developing rapidly on a global scale. This process is mainly associated with the development of communication technologies and computer systems, as well as the widespread introduction of the Internet and data processing technologies.

One of the main advantages of mobile internet is that it allows you to use it on mobile devices anywhere and anytime. The following services can be used via mobile internet:



Web browsing: Viewing web pages on the Internet.



Social media: Being active on social media platforms such as Facebook, Instagram, Twitter, TikTok, and staying in touch with friends.



Mobile payments: Making purchases and payments through mobile payment systems such as Alipay, PayPal, and Google Pay.



Online gaming: Playing online games on mobile devices.



Email: Checking and sending emails.



GPS and maps: Using maps and navigation systems such as Google Maps.



Online video and music: Watching video and music streams on platforms such as YouTube, Netflix, and Spotify.

To use mobile internet, the following options are usually available:

- ☐ By mobile phone or tablet: Accessing the Internet by connecting to a mobile operator's network via a phone or tablet.
- ☐ Mobile modems or Wi-Fi hotspot devices: Using separate modems or Wi-Fi hotspot devices to connect to the Internet.
- ☐ Mobile operator packages: There are certain packages and tariffs offered by operators for using mobile Internet. These packages vary depending on the amount of Internet usage, speed, and service area.

Mobile Internet is widely used today in various areas, including personal life, work, education, and communication. At the same time, in addition to the advantages of mobile Internet, its advantages and disadvantages are reflected in the table below.

Table 1

Advantages and disadvantages of mobile internet

Advantages of mobile internet	Disadvantages of mobile internet
<p>Always connected: With mobile internet, users have the ability to connect to the internet anywhere and anytime.</p> <p>Fast data transfer: New technologies (such as 4G and 5G) enable the rapid transfer of large amounts of data over mobile internet.</p> <p>Ease and convenience: Mobile internet makes it easier to work on mobile devices, users can carry out their work and daily needs without the constraints of location or time.</p> <p>New services and opportunities: New services are available through mobile internet, such as mobile banking, online shopping, distance learning, and telemedicine.</p>	<p>Fees and charges: Mobile internet services can sometimes be expensive. High-speed internet services, such as 4G and 5G, can be particularly expensive.</p> <p>Limited signal: The strength and quality of a mobile internet signal is affected by the location of the network and nearby infrastructure. In some areas, especially in remote areas, internet connectivity can be poor.</p> <p>Data security: Connecting to the internet on mobile devices can pose security concerns, such as data loss or cyberattacks.</p>

Source: Designed by author

The government of Uzbekistan has developed the “Digital Uzbekistan-2030” strategy to develop mobile internet and digital infrastructure, various initiatives have been developed to digitize public services and expand mobile internet. This strategy will help develop the digital economy in Uzbekistan and provide modern internet services to the population.

The development of mobile internet in Uzbekistan has grown significantly in recent years and has made a significant contribution to the development of the digital economy in the country. The expansion and improvement of the quality of mobile internet has also led to many social and economic changes in Uzbekistan.

Table 2 Development of G technology in Uzbekistan over the years

Years	G technologies	Note
2000	2G	Mobile internet in Uzbekistan began to develop at an early stage with 2G technology in the early 2000s. At that time, the

		possibility of accessing the internet via mobile phones appeared, but the speed and capabilities of this network were relatively limited..
2010	3G	In the 2010s, the demand for mobile Internet in Uzbekistan increased and 3G technology was introduced, which improved the speed and quality of mobile Internet. In 2014, 3G technology was launched in Uzbekistan. This technology allowed to significantly increase the speed of mobile Internet and make it easier to use online video, music, games and other services. Mobile operators, in particular, Beeline, Ucell, and Mobiuz, have made a significant contribution to the expansion of the Internet in Uzbekistan by introducing 3G networks.
2017	4G LITE	4G technology was launched in Uzbekistan in 2017. This technology has further increased the speed of mobile internet, allowing users to enjoy high-quality video and music streaming, fast data exchange, remote working, and other modern internet services.
2021	5G	Uzbekistan began testing 5G technology in late 2021. This technology will make mobile internet faster, more reliable, and more efficient. Currently, 5G technology is being introduced in Uzbekistan, but its widespread deployment is still in its early stages.

Source: Designed by author

The development of mobile Internet is of great importance today in terms of creating new opportunities for the economy, causing social and cultural changes, and introducing new technologies around the world. Foreign experience in the development of mobile Internet serves as a unique model and source of inspiration for many countries. Below we will consider some key examples of foreign experience in the development of mobile Internet:

## South Korea: Leadership in 5G technologies

South Korea is one of the world's leading countries in the development of mobile Internet. In 2019, South Korea was the first in the world to begin commercializing 5G technology. This technology has created the opportunity not only to increase the speed of mobile Internet, but also to implement new innovations in many areas.

### South Korean experience:

□5G networks: South Korea has invested heavily in expanding high-speed Internet networks. Currently, the country has accumulated experience in introducing 5G networks, studying their impact on the economy, and applying them.

□IoT and smart cities: The deployment of 5G technology has helped South Korea develop the concepts of IoT (Internet of Things) and smart cities. For example, Seoul has introduced automated transportation systems, smart cars, and other high-tech applications.

□Digital economy: Korea aims to widely use mobile Internet for digital transformation in education, healthcare, finance, and other fields. For example, mobile payments and mobile banking are very popular in Korea.

## China: Development of mobile payments and e-commerce



China offers one of the fastest growing markets in the world in the development of mobile Internet. With the widespread use of mobile Internet in China, e-commerce and mobile payment systems have grown rapidly. Through platforms such as Alipay and WeChat Pay, mobile payments are widely used in China not only for online shopping, but also in physical stores.

China's experience:

□ Alipay and WeChat Pay: The development of mobile payment systems in China has brought the national economy to a new level. With platforms like Alipay and WeChat Pay, users can make payments and pay for goods and services across the country.

□ E-commerce: Giants like Alibaba and JD.com have created new forms of commerce through mobile internet. Online shopping, especially through mobile devices, has grown rapidly in China and has influenced other countries.

□ Mobile marketing and personalized services: Mobile internet has created new opportunities in China for marketing and advertising. Companies are analyzing user data and organizing more effective and personalized advertising campaigns.

India: Mobile internet expansion and digital inclusion

India is one of the largest markets in the world in terms of mobile internet development. The introduction of mobile internet services by Reliance Jio has given impetus to the expansion of internet in India. This company, on the one hand, aims to make internet services cheaper, and on the other hand, it has served to increase digital inclusion.

Indian Experience:

□ Reliance Jio: The launch of Reliance Jio's mobile internet services in 2016 revolutionized the Indian internet market. Jio provided mobile internet at very affordable prices, which expanded internet access in India and at the same time created new business opportunities.

□ Mobile payments and banking: Mobile payments and other digital services are developing in India. Through payment systems such as Paytm and Google Pay, users have the opportunity to make payments and use banking services from their mobile phones.

□ Mobile education and healthcare: In India, new solutions are being created in the education and healthcare sectors using mobile internet. Distance learning and telemedicine opportunities are becoming widespread using mobile applications.

European Union: 5G and digital transformation

The European Union (EU) sees mobile internet and digital transformation as key drivers of economic growth and social development. Europe is investing heavily in the development of 5G technology, as well as the Internet of Things (IoT) and digital infrastructure.

European Union experience:

□ 5G technology: European Union countries, in particular Sweden, the German network, and France, are at the forefront of the implementation of 5G technology. 5G technology will enable high-speed mobile internet and create new opportunities in areas such as industry, transport, and healthcare.

□ Digital Single Market (DSM): The European Union has implemented a number of legislative initiatives to create its own digital market. This will help the digital economy develop and ensure the efficient and secure use of technologies.

□ Digital services and the mobile economy: The widespread use of mobile internet in EU countries has opened up opportunities for the digitisation of services, including online healthcare, e-learning, and cloud services.

The development of mobile internet in the US has had a major impact on technological, social, and economic spheres. As one of the most advanced markets for mobile internet, the US is a leader in technology and innovation. The following is a detailed account of the development of mobile internet in the US and its significance:

## 1. The Beginning of Mobile Internet (2G and 3G)

The early stages of mobile internet in the US began in the 1990s with 2G and 3G technologies.

## 2. The Rise of Smartphones and Mobile Internet (Late 2000s – Early 2010s)

By the late 2000s, the Apple iPhone and other smartphones had made mobile internet very popular. During this period, the demand and usage of mobile internet in the United States increased dramatically.

## 3. The Evolution and Innovation of Mobile Internet (Since mid-2010s)

Along with the growth of mobile internet, new applications, services, and platforms have developed in the United States.

## 4. The Arrival of 5G Technology (Early 2020s)

In the 2020s, 5G technology became widespread in the United States. The advantages of 5G mobile internet include: Speed, Reduced latency, IoT (Internet of Things).

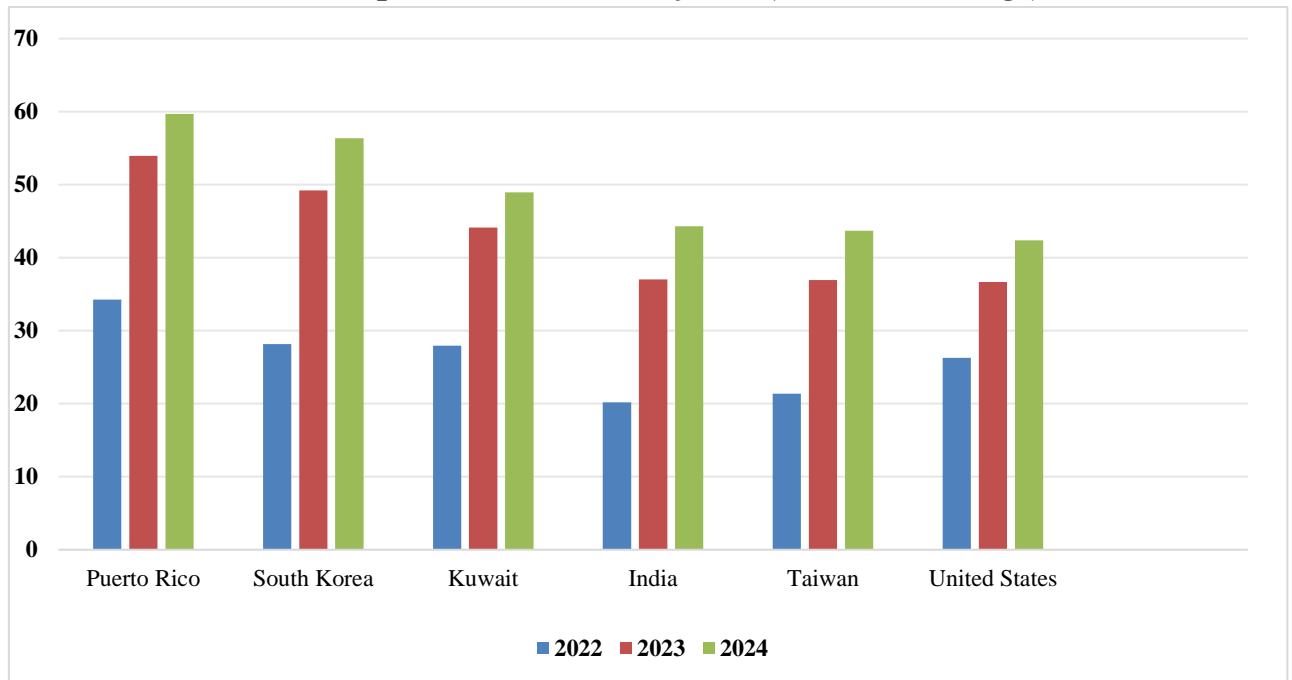


Figure 1. Countries with the most 5G Internet coverage in the world<sup>10</sup>

<sup>10</sup> <https://youtu.be/1iYhP6g4FQU?si=Ucd0fUb3RR4LRzO9>

This chart shows the countries with the highest 5G internet coverage in the world by year. These are: Puerto Rico, South Korea, Kuwait, India, Taiwan, the United States, and Singapore.

The chart shows that Puerto Rico had 34.27% coverage in 2022, but this figure increased sharply in 2023. It reached 53.97% in 2023. In 2024, it was 59.68%. In South Korea, it was 28.18% in 2022, but this figure will be 49.22% in 2023. It can be seen that there was a sharp increase in 2023. In 2024, it will be 56.36%. In Kuwait, it was 27.97% in 2022, but by 2023, this result increased sharply to 44.12%. In 2024, it was 44.96%. In India, it was 20.17% in 2022, but by 2023, this figure was 37.04%. This shows an increase compared to the previous year. In 2024, it was 44.32%. In Taiwan, it was 21.36% in 2022. This figure increased by 2023. Then it was 36.92% this year. And in 2024, it was 43.68%. In the United States, it was 26.30% according to the 2022 calculation. By 2023, this figure increased. This figure was 36.66%. In 2024, it was 42.36%. From this, it is known that each country increased sharply in 2023.

In conclusion, in today's globalization environment, mobile Internet has become an integral part of modern society. It is changing people's daily lives, economic activities and social relations, developing innovations around the world. The importance of mobile Internet is that it creates great opportunities not only for Internet access, but also for improving innovation in various fields, education, healthcare and governance. The development of mobile Internet abroad is closely related to various technological innovations, government policies and private sector initiatives. International experience shows that investment, government support and technological innovation are the main factors in the development of mobile Internet. Studying the specific features of these countries can be useful for further development of mobile Internet in Uzbekistan.

## REFERENCES:

1. Abdulloev, A. J. (2023). THE ROLE AND IMPORTANCE OF STRATEGIC PLANNING IN MARKETING.
2. Абдуллаева, Ҳ. Н. (2024). МАХАЛЛИЙ КОРХОНАЛАР ФАОЛИЯТИДА МАРКЕТИНГ ДАСТУРЛАРИДАН ФОЙДАЛАНИШ AMERICAN JOURNAL OF EDUCATION AND LEARNING ISSN: 2996-5128 (online) | ResearchBib (IF) = 9.918 IMPACT FACTOR Volume-2| Issue-5| 2024 Published: |30-12-2024| 800 АМАЛИЁТИ ТАҲЛИЛИ ВА УНИНГ САМАРАДОРЛИК КЎРСАТКИЧЛАРИ. Scientific Journal of Actuarial Finance and Accounting, 4(05), 1-9.
3. Abdullayeva, H. (2024). KORXONA FAOLIYATIDA INNOVATION MARKETINGDAN FOYDALANISH. ЦЕНТР НАУЧНЫХ ПУБЛИКАЦИЙ (buxdu. uz), 49(49).
4. Axrorovna, B. M. (2022). The Importance of Digitizing the Tax System. European Journal Of Business Startups And Open Society, 2(11), 1-5.

5. Giyazova, N.B. (2024). INCREAZING THE EFFICIENCY OF WASTE RECYCLING IN THE ECONOMY OF OUR COUNTRY. MODELS AND METHODS FOR INCREASING THE EFFICIENCY OF INNOVATIVE RESEARCH, 3(34), 455-461.
6. Giyazova, N.B., & Sh,B.S. (2024). ZAMONAVIY RAQAMLI IQTISODIYOTDAGI MUAMMOLAR VA CHORA-TADBIRLAR. Science and innovation, 3(Special Issue 42), 482-489.
7. Niyozova, I. N., & Shodibekov, U. (2024). RAQAMLI IQTISODIYOT SHAROITIDA BOJXONA TIZIMINI AVTOMATLASHTIRISH. INNOVATION IN THE MODERN EDUCATION SYSTEM, 5(40), 619-623.
8. Niyozova, I. (2023). Digitalization-Merits And Demerits On The Whole Society. Центр Научных Публикаций (Buxdu. Uz), 38(38).
9. Tairova, M. M., Narzullayeva, G. S., & Odinayeva, N. F. (2021). Foreign Experience in Ensuring High Competitiveness of Economists in Higher Education.
10. Таирова, М. М., & Зойитов, Д. (2024). ЗНАЧЕНИЕ МАРКЕТИНГОВЫХ ИССЛЕДОВАНИЙ В СЕЛЬСКОМ ХОЗЯЙСТВЕ. Science and innovation, 3(Special Issue 42), 371-376.
11. Hakimovna, U. M., & Muhammedrisaevna, T. M. S. (2023). Audit and Marketing Audit in Small Business and Private Entrepreneurship: The Order and Process of Inspection.
12. Sayfullayeva, M. (2023). Establishment Of Agritourism Clusters In Uzbekistan Based On The Principles Of Sustainable Tourism. Центр Научных Публикаций (Buxdu. Uz), 35(35).
13. Raxmatullayeva, F. M. (2024). MINTAQALAR RAQOBATBARDOSHLIGINI OSHIRISHDA RAQAMLI TEXNOLOGIYALARNING AHAMIYATI. Indexing, 1(1).
14. Raxmatullayeva, F. M., & Shaxzod, J. (2024). RAQAMLI IQTISODIYOTNING RESURLAR ISTE'MOLIGA TA'SIRI. MODELS AND METHODS FOR INCREASING THE EFFICIENCY OF INNOVATIVE RESEARCH, 3(34), 496-502.
15. <https://youtu.be/liYhP6g4FQU?si=Ucd0fUb3RR4LRzO9>