

Scientific and Technical Journal Namangan Institute of Engineering and Technology











AGRO-TOURISM ENTREPRENEURSHIP DEVELOPMENT MODEL IN NAMANGAN REGION

MUSAKHANOV KAZIKHAN

Independent researcher of Namangan Institute of Engineering and Technology E-mail.: musakhanovqozikhon@gmail.com, phone.: (+99893) 052 42-71

Abstract:

Objective. The processes of modern changes in the countryside led to the opposite of the expected result - the deterioration of the working conditions and quality of life of the rural population. The difficult economic situation of many rural families has forced them to look for new types of entrepreneurial activities in rural areas, which will create new jobs and thus provide rural residents with an opportunity to earn additional income. Although the main type of business activity in the village is the cultivation of agricultural products and development, the development of rural tourism is an important direction for the implementation of such a strategy. Methods. Terminological analysis, factor analysis, comparative analysis, correlation-regression analysis, expert evaluation, static, economic-mathematical methods were used in the research process.

Results. Currently, extensive work is being done in the field of comprehensive development of rural areas in the Republic of Uzbekistan, in particular, on diversification of the rural economy and development of alternative fields of activity, expanding the scope of employment of rural residents, environmental protection, and strengthening the financial base of villages. In particular, attractive and competitive tourist products of the Republic of Uzbekistan in different seasons of the year, including through the creation of thematic tourist zones and clusters in the regions of the country, as well as promising types of tourism (pilgrimage, educational, ecological, ethnographic, gastronomic, sports, healing and health, rural, industry, business, etc.), development of new tourism programs is set.

Conclusion.Despite the large-scale work being done, agrotourism is not considered as a global sector of the economy, but as a branch of tourism. As of July 1, 2020, the number of rural residents in Uzbekistan is 16,890.7 thousand. This means 49.6 percent of the total population. Establishing agrotourism can become an effective tool for the development of rural areas. Ensuring the economic and demographic stability of agrotourism in rural areas is an important factor in the prospective development of these areas.

Keywords:rural population, business activities in the village, agrotourism, agrovillage, business activity, agrotourism product, marketing complex.

Introduction. Provides an opportunity to solve problems related to the field of tourist facilities of Namangan region. In particular, if we pay attention to the work to be done in Namangan region, which is included in the "List of addresses"

of the repair works of highways leading to tourism and cultural heritage sites in the territory of the republic in 2023, it is possible to understand how urgent the reforms aimed at the development of the sector are in our republic (Table 1).

Table 1

Address list of road repair works leading to tourism and cultural heritage sites in the territory of the republic in 2023

T/p	Name of the object	Repair part, km	Required funds, billion soums	Implementation period
1.	Current repair of the highway A373 "M39 highway — Guliston — Boka — Angren — through Ko'kan and Andijan — Osh" leading to the tourist resort "Chodak" in Pop district	3,0	2,0	June 2023
2.	Repair of the 4R112 "Fergana ring road" road leading to tourist resorts "Chodak", "Nanay", "Sirli Buloq" and "Mug Castle" in Namangan region	1,0	0,8	May 2023
3.	4R125 leading to the tourist resort "Chodak" in the Pop district "Gurumsaray q Khanabad q. — Chodak	2,0	0,5	May 2023



	 q Gulistan village. current maintenance of the highway 			
4.	4R118 "Jiydakapa q." leading to tourist resort "Nanay" in Yangikurgan district and cultural heritage and tourism objects "Sultan Uvaisiy Qarani" (Baligli Lake) in Chortoq district Housewives sh. — Chortoq sh. — Yangikurgan sh. — Zarkent village Nanay q. — Current repair of the border highway of the Kyrgyz Republic	3,0	2,0	June 2023
5.	4R114 "Namangan sh." leading to cultural heritage and tourism objects "Mug Castle" in Kosonsoy district Kosonsoy sh. — Current repair of the border highway of the Kyrgyz Republic	2,0	1,0	May 2023
6.	4R116 "Namangan sh." leading to cultural heritage and tourism objects "Sultan Uvaisiy Karaniy" (Balikli lake) in Chortoq district Housewives sh. — Uchkurgan sh Haqqulabad sh Andijan sh. current maintenance of the highway	1,0	1,0	May 2023
7.	4R126 "Balyqchi village" leading to "Sirli Buloq" tourist resort in Mingbulok district. — Mingbulok q. — Naiman q See Pungon. current maintenance of the highway	1,0	1,0	May 2023
8.	4K464 leading to tourist resorts "Chodak" in Pop district "Koshminor q. "Chodak." current maintenance of the highway	2,0	1,0	May 2023
On	public highways	15,0	9,3	

According to the data of this table, the works included in the plan based on the decision were put into use within the specified period, which in turn led to a 13.8% increase in the number of domestic visitors to tourism and cultural heritage sites in the territory of Namangan region compared to the corresponding period of 2021. The research shows that the first main problems of the wide introduction of tourism in the regions of the Republic of Uzbekistan today are the rapid solution of problems in the transport-logistics and tourism infrastructure, as well as the creation of additional conditions for business entities operating in the field of tourism due to the comprehensive use of available resources and opportunities...

If we look at the recent past on the development of tourism in Namangan region, 19 hotels, restaurants, 22 historical and cultural monuments were renovated within the framework of the program "On the development of tourism in Namangan region in 2016-2017". 62 projects were put

into practice. 69 billion 884 million soums were spent on projects. In 2016, 16 existing tourism entities in the region provided more than 5,000 tourists with tourist services worth 586 million soums. Since 2016, the number of tourism services has increased due to the introduction of train services in the direction of Angren Pop through the Kamchik pass, and new opportunities have been created for the development of domestic tourism.

The popularity of rural tourism as a type of economic activity is increasing year by year due to the growth of the population's spirituality, increasing demand for cultural and recreational resources, and it begins to affect not only agricultural, but also traditional industrial regions. In this sense, 19 agro-farms of rural tourism are operating in the Namangan region in the districts of Yangi Kurgan, Chortoq, Chust and Pop, and based on the available resources, the regional state administration considers rural tourism to be one of the



promising directions of tourism in the region.

Agricultural entrepreneurship is the basis for broad economic development, and in most countries farmers and other rural people are not cited as the most entrepreneurial people. Less is known about rural entrepreneurship than urban entrepreneurship. The scale of rural entrepreneurship is almost always smaller, the risks are greater, and related services are generally less developed in rural areas, but there are many examples of successful

rural entrepreneurship. Entrepreneurship as a socio-economic phenomenon has always been the focus of theorists and practitioners.

The income from agrotourism activities is mainly reinvested in the development of the farm (buying horses, goats, cows, sheep and necessary household items) and expanding the range of services provided. it is an opportunity to improve living conditions in the village at the moment (Fig.1).

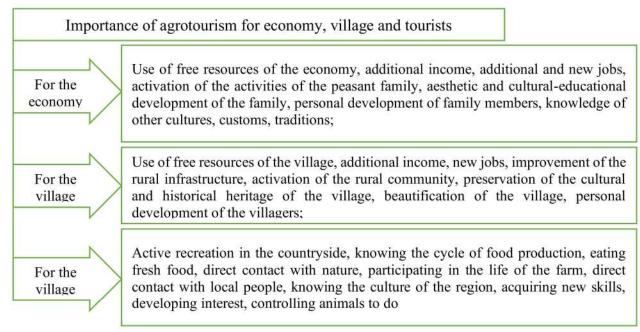


Figure 1. Importance of agrotourism for private farms, villages and tourists⁵

Agrotourism is considered as a strategy for vertical diversification of agricultural holdings, in which the products produced in agriculture have added value and satisfy wider demands and needs of consumers. It is a type of auxiliary activity for providing tourist services in rural conditions, using its own accommodation base, and this is a farm providing agrotourism services. The criteria for determining agrotourism farms are as follows:

- entities providing agrotourism services - management of agriculture by private farmers and farms;
- -the share of farming income from tourism and the host's private accommodation as the accommodation base;
- -catering and agro-gastronomy, innovation in traditional agro-tourism, direct sale of products;
- -planning rural recreation, active tourism and agro-sports as well as excursions and agro-entertainment activities;

Vol 8, Issue 3 www.niet.uz

⁵Муаллиф ишланмаси



-the main thing is to improve the health of the population and conduct agrotherapy and cultural and ethnographic activities. Only types of tourism related to the cognitive and production activities of the farm and the use of its base can be included in agrotourism. In this case, other agro-houses that provide agro-tourism services belong to rural green tourism.

Experience shows that families that receive vacationers, taking into account the needs of guests, improve the composition of crops on their farms, expand the assortment of vegetable crops, fruit trees, berries, etc., develop and diversify animal husbandry, establish a greenhouse, and additionally engage in hunting, beekeeping and fishing. allows.

Methods.Terminological analysis, factor analysis, SWOT-analysis, comparative analysis, correlation-regression analysis, SWOT-analysis, expert

assessment, dynamic and static, economicmathematical methods were used in the article.

Results. World experience shows that there is no single quantitative and qualitative definition of small business entities. The most common quantitative criteria are: average number of employees; annual turnover (sales volume); book value of assets. Also, there are two main levels of the criteria determining for dividing enterprises into small, medium and large: the level of international organizations; national level. According to the definition of the European Union, small business is divided into: medium business, small business and micro-firm, and the main factors determining the size of the enterprise are: 1) number of employees; 2) annual turnover or annual balance (Table 2).

Table 2

<u>Criteria for registration of small enterprises in EU member states</u>

Type of enterprise	Number of employees		Annual turnover (in millions of euros)	Annual balance (in millions of euros)	
A very small enterprise	<10	and	≤ 2	or	≤ 2
Small business	<50	and	≤ 10	or	≤ 10
Medium enterprise	<250	and	≤ 50	or	≤ 43

The indicators given in Table 2 are used only for individual enterprises, if the selected object belongs to a group of enterprises or other companies that do not belong to this category have more than 25% of the capital, such a production (service) enterprise is not considered. At the same time. the International Organization for Economic Cooperation and Development (OECD), which includes highly developed countries, suggests the following grouping of enterprises by size:

- very small 1-19 workers;
- small 20-99 workers;
- average 100-499 employees;

- large - 500 or more employees. In US, small and medium-sized the businesses are businesses with fewer than 500 employees. There are no restrictions on annual turnover. In general, their definition has different approaches, but one or another type of enterprise differs depending on the number of employees. As a rule, small and medium-sized enterprises are considered to employ less than 500 people, although in some countries this number is less - 300 or 100 people. In some countries, the conditions for industrial enterprises and service sector enterprises are different, in which case, as



a rule, there should be fewer service sector enterprises than industrial enterprises.

Discussions.In the UK manufacturing sector, a firm is considered small if it employs fewer than 200 people. An indicator such as annual turnover is the main criterion for determining the status of a small enterprise in other sectors of the economy. Japan uses seven groups depending on the number of employees: 1-4, 5-9, 10-29, 30-49, 50-59, 100-299, 300-499 employees. In the process of forming business structures, the main classification features of subjects in the field of business activity were defined as follows:

- types of production-economic activities, which provide for the classification of entrepreneurial activities by types of economic activities;

- forms of ownership, according to which entrepreneurial activity is characterized by the use of private, collective or state property:
- the purpose of activity, according to which business activity is divided according to the areas of performance of work or production of products and provision of services;
- newness, innovative direction of works and services, which envisages differentiating business activity according to the degree of innovation of economic activities;
- the number of employees, which implies the division of business activity into individual, family and collective farms.

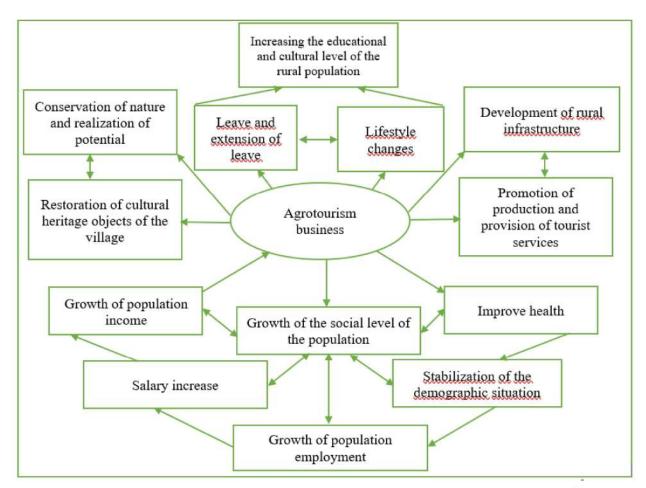


Figure 2. Conceptual model of agrotourism business development⁶

Vol 8, Issue 3 www.niet.uz

-

⁶Author development



From the above-mentioned foreign experiences on agrotourism, it can be concluded that the basis of agrotourism is the recreational potential of the respective area, i.e. the set of natural, ethnic-cultural, relocation and socio-demographic resources, as well as the existing economic and communication infrastructure of the area, or may serve as a prerequisite for the development of rural green tourism.In addition, if we take into account that the effective activity of the agrotourism business is based on many indicators that complement each other functionally and stimulate accompanying processes related to cause-and-effect relationships, the conceptual model proposed of the development of the agrotourism business comprehensively demonstrates positive changes (Fig. 2).

The basis of the conceptual model of the development of agrotourism entrepreneurship is the social level of the population and ensuring its employment. The development of agrotourism serves to increase the income and wages of the population, improve the demographic situation and health of the rural population, develop the rural infrastructure, expand the education and recreation of the population, stimulate the production of agricultural

products, expand the offer of agrotourism services, and raise the cultural level.

Conclusion.In short, agrotourism is mainly aimed at urban residents who do not have the experience of living in the countryside and want to live in the countryside with a rural family, have direct contact with animals, participate in rural production activities, and use the services of eating fresh homemade food. In order to organize and develop it in our country in the field of agrotourism, it will certainly be useful to study foreign experiences and put into practice its aspects suitable for our country. Applying the aspects learned from the experience in our country gives the opportunity to increase the employment of population and its income.A the characteristic feature of agrotourism is that tourists choose local facilities and go to rest only in preserved old villages. The main importance of rural tourism in France is to support the level of development of the country's territory. The French government went the way of changing the functions of rural settlements. The country's agriculture could not support the residential system that existed in the past, so a new direction of recreation - agrotourism - began to develop.

References

- 1. Nemchenko G.I. Diversification of production. Blagoveshchensk: Amur KNII, Dalnevostochnoe otdelenie RAN, 1994. 224 p.
- 2. Yoshinara E., Sakuma A., Itami K. Diversification strategy at a Japanese enterprise. Tokyo: Nippon Keirai, 1979. 434 p.
- 3. Kraus, S., R. Harms and M. Fink (2010), "Entrepreneurial marketing: Moving beyond marketing in new ventures," International Journal of Entrepreneurship and Innovation Management, 11(1), 19–34.
- 4. Hisrich, R.D., P.M. Peters and A.D. Shepherd (2017), Entrepreneurship, 10th edition, New York: McGraw-Hill Education.
- World Encyclopedia of Entrepreneurship. Publication Date: 2021 ISBN: 978 1
 83910 413 8, 704 pp. 2nd edition. https://www.e-elgar.com/shop/gbp/world-encyclopedia-of-entrepreneurship-9781839104138.html
- 6. Bustonov M.M. Macroeconomic Trends and Patterns of SustainableEconomic Growth and its Quality// Test Engineering & Management. 2019. November-December. http://www.testmagzine.biz/index.php/testmagzine/article/view/221



- 7. Bustonov M.M. The Firm Aspects and conditions Providing the Qualities of Economic Growth in Uzbekistan //International Journal of Economic Theory and Application. 2017, 4(4): 32-39 http://www.aascit.org/journal/archive2?journalId=918&paperId=4704
- 8. Bustonov M.M., Ensuring Long-Term Economic Growth in the World and Econometric Analysis of Economic Growth of the Republic of Uzbekistan in the Context of Extensive, Intensive and Digital Economy. Miasto Przyszłości Kielce 2022, ISSN-L: 2544-980X. https://miastoprzyszlosci.com.pl/index.php/mp/article/view/406
- 9. Bustonov M.M., Analysis of Economic Growth in the Juglyar Cycle in World Countries. Web of Scholars: Multidimensional Research Journal (MRJ) Volume: 01 Issue: 03 | 2022 ISNN: (2751-7543) http://innosci.org/index.php/wos/article/view/53/37
- 10. Bustonov M.M. Digital Economy In Improving The Quality Of Economic Growth. European Journal of Molecular & Clinical Medicine ISSN 2515-8260 Volume 07, Issue 07, 2020.
- 11. Bustonov M.M. The firm aspects and conditions providing the qualities of economic growth in Uzbekistan. International Journal of Economic Theory and Application. 2017/ http://www.aascit.org/journal/l jeta
- 12. Bustonov M.M. Macroeconomic Trends and Patterns of Sustainable Economic Growth and its Quality. // Test engineering & Management November-December 2019.
- 13. Bustonov M.M. Digital Economy In Improving The Quality Of Economic Growth. European Journal of Molecular & Clinical Medicine ISSN 2515-8260 Volume 07, Issue 07, 2020.
- 14. Bustonov M.M. The Firm Aspects and conditions Providing the Qualities of Economic Growth in Uzbekistan. International Journal of Economic Theory and Application. 2017/ http://www.aascit.org/journal/l jeta
- 15. B. Baykhanov, Bustonov M.M. Econometric models of sectoral distribution of investments in the economy of Uzbekistan. SOUTH ASIAN Journal of Marketing and Management Research 2019
- 16. Bustonov M.M. Macroeconomic Trends and Patterns of Sustainable Economic Growth and its Quality. TEST ENGINEERING & MANAGEMENT Vol. 81: Nov/Dec 19 Publication Issue: Vol 81: Nov/Dec 19 Issue Publication Date: 31 December 2019 Published: 2019-11-22
- 17. Bustonov M.M., Maxmudov B.J., Rakhimov B.I. Directions for improving the efficiency of the monitoring of commercial banks loan commitments. A Multidisciplinary Peer Reviewed Journal, Vol. 6 Issue 5, May 2020 Page No.: 304-310. http://journalnx.com/journal-article/20151021
- 18. Bustonov M.M., Abdurakhmanova M. Organization of credit obligations and monitoring of commercial banks. ACADEMICIA An International Multidisciplinary Research Journal. ISSN: 2249-7137 Vol. 10 Issue 5, May 2020 Impact Factor: SJIF 2020 = 7.13
- 19. Bustonov M.M.,Abdurakhmanova M. Main Directions of Improvement of the Process of Investment. International Journal on Integrated Education, Volume 3, Issue VI, June 2020 |18. e-ISSN : 2620 3502 p-ISSN : 2615 3785// http://journals.researchparks.org/index.php/IJIE/article/view/395
- 20. Bustonov M.M., Maxmudov B.J., Rakhimov B.I. Basic concepts of the theory of uncertain sets and actions related to investment processes. International Engineering Journal For Research & Development. Vol. 5 No. 5 (2020): IEJRD, PUBLISHED: 2020-07-17



- 21. Rakhimov B.I., Bustonov M.M. Determination of the level of risks in investment projects using econometric model. International Journal of Innovations in Engineering Research and Technology [ijiert] issn: 2394-3696 website: ijiert.org volume 7, issue 8, aug.-2020. Impact Factor: SJIF 2020 = 7.525
- 22. Bustonov M.M., Digital economy in improving the quality of economic growth. European Journal of Molecular & Clinical Medicine ISSN 2515-8260 Volume 07, Issue 07, 2020
- 23. Bustonov M.M., Maxmudov M., Improving Economic Mechanisms to Encourage Efficient Use of Industrial Production Power in Kashkadarya Region/ Annals of R.S.C.B., ISSN:1583-6258, Vol. 25, Issue 3, 2021, Pages. 8183 8196 Received 16 February 2021; Accepted 08 March 2021.
- 24. Rakhimov B.I., Bustonov M.M. Analysis of monitoring and fulfillment of credit obligations in commercial banks/ International Journal of Business, Law, and Education Volume 02, Number 02, 2021. file:///C:/Users/admin/Desktop/16-Article%20Text-61-1-10-20210524%20(1).pdf
- 25. Bustonov M.M., Ensuring Long-Term Economic Growth in the World and Econometric Analysis of Economic Growth of the Republic of Uzbekistan in the Context of Extensive, Intensive and Digital Economy. Miasto Przyszłości ISSN-L:2544-980X Table of Content Volume 26 (Aug 2022)
- 26. Bustonov M.M., Analysis of Economic Growth in the Juglyar Cycle in World Countries. Vol. 1 No. 3 (2022): Web of Scholars: Multidimensional Research Journal Analysis of Economic Growth in the Juglyar Cycle in World Countries
- 27. Bustonov M.M., Digitalization and Economic Growth. Miasto Przyszłości ISSN-L: 2544-980X Vol. 30 (2022): <u>file:///C:/Users/Lenovo/Desktop/201-206+Digitalization+and+Economic+Growth.pdf</u>
- 28. Bustonov M.M., Implementation of the single complex cluster system in the territory of Uzbekistan. EURASIAN JOURNAL OF ACADEMIC RESEARCH Innovative Academy Research Support Center UIF = 8.1 | SJIF = 5.685 www.in-academy.uz Volume 2 Issue 13, December 2022 ISSN 2181-2020
- 29. Bustonov M.M., Economic growth: theoretical and practical aspect. EURASIAN JOURNAL OF ACADEMIC RESEARCH Innovative Academy Research Support Center UIF = 8.1 | SJIF = 5.685 www.in-academy.uz Volume 2 Issue 13, December 2022 ISSN
- 30. Bustonov M.M., Digital economy in improving the quality of economic growth. European Journal of Molecular & Clinical Medicine ISSN 2515-8260 Volume 07, Issue 07, 2020
- 31. Bustonov M.M., Maxmudov M., Improving Economic Mechanisms to Encourage Efficient Use of Industrial Production Power in Kashkadarya Region/ Annals of R.S.C.B., ISSN:1583-6258, Vol. 25, Issue 3, 2021, Pages. 8183 8196 Received 16 February 2021; Accepted 08 March 2021.
- 32. Bustonov M.M. Digital economy in improving the quality of economic growth// European Journal of Molecular & Clinical Medicine. ISSN 2515-8260 2020.Vol 07, Issue 07. https://www.scopus.com/results/authorNamesList.uri?sort=count-f&src (SCOPUS).
- 33. Bustonov M.M. Macroeconomic Trends and Patterns of SustainableEconomic Growth and its Quality// Test Engineering & Management. 2019. November-December. http://www.testmagzine.biz/index.php/testmagzine/article/view/221



CONTENTS

PRIMARY PROCESSING OF COTTON, TEXTILE AND LIGHT INDUSTRY			
J.Sidiqjanov, N.Nabidjanova			
Development of shrinkage calculation for men's shirt base pattern manufactured by the garment dyeing method	3		
N.Nabidjanova, J.Sidiqjanov			
Method development of applying shrinkage values into base pattern of men's garment dyed shirt	10		
F.Bozorova, A.Djuraev			
Experimental review of the rubber pad of the new design of the sewing machine	15		
M.Mirxojayev			
Manufacture of single cotton fabric with new composition, specified bend from yarn gathered from local raw material cotton fiber	22		
A.Khamitov, B.Akhmedov, J.Ulugmuradov			
A study to determine the change in porosity indicators of the shoe upper hinge in technology processes	28		
M.Rasulova, K.Khodjaeva			
Study of operating modes in the process of selection and tailoring of package materials in the preparation of men's outerwear	34		
M.Chorieva			
Analysis of the protective properties of fabrics for special clothing of oil and gas extraction field workers at high temperatures	41		
G.Gulyaeva, I.Shin, K.Kholikov, M.Mukimov			
Research of knitting structure stability parameters	47		
R.Rozmetov			
Study of the influence of drying agent temperature on raw cotton and its components	52		
A.Gofurov, T.Tuychiev, R.Rozmetov, M.Axmedov	-		
Results of research on an improved cotton regenator	57		
GROWING, STORAGE, PROCESSING AND AGRICULTURAL PRODUCTS AND FOOD TECHNOLOGIES			
A.Mukhammadiyev, I.Usmonov, Sh.Uktomjonov			
Electrotechnological processing of sunflower seeds with ultraviolet light	64		
A.Yamaletdinova, M.Sattorov			
Application of effective methods in the transportation of high-viscosity oils	69		
N.Khashimova			
Analysis of the prospectiveness and safety of the use of plant raw materials in the enrichment of flour and bread products	76		
O.Mansurov, A.Xamdamov, O.Qodirov			
Operation process and experimental results of continuously fruit and vegetable drying equipment	81		



CHEMICAL TECHNOLOGIES			
B.Uktamaliyev, M.Kufian, A.Abdukarimov, O.Mamatkarimov			
Temperature dependence of active and reactive impedances of PMMA-EC-LiTf / MGTF ₂ solid polymer electrolytes	86		
M.Ikramov, B.Zakirov			
Innovative completely soluble NPK gel fertilizers based on biopolymers with	04		
controlled release of nutrients	91		
A.Khurmamatov, A.Matkarimov			
Results of experiments of studying the composition and purification of technical waters	97		
A.Nuritdinov, A.Kamalov, O.Abdulalimov, R.To'raxonov			
Obtaining composite materials based on polycarbonate	104		
U.Eshbaeva, D.Safaeva, D.Zufarova, B.Baltabaeva			
Ir spectroscopic analysis of biaxially directed polypropylene and	440		
polyethylene polymer films	110		
U.Eshbaeva, A.Nishanov, D.Zufarova			
A new adhesive composition for the manufacture of corrugated cardboard	115		
D.Salikhanova, M.Ismoilova, B.Adashev, M.Muratov			
Analysis of emulsions obtained in ultrasonic homogenizer and magnetic			
stirrer devices	123		
S.Ravshanov, J.Mirzaev, S.Abdullayev, J.Obidov			
Comparative analysis of physical-chemical parameters of domestic triticale	400		
grain	128		
M.Urinboeva, A.Ismadiyorov			
Cleaning natural and associated gases from sulfur compounds	132		
MECHANICS AND ENGINEERING			
U.Kuronbaev, D.Madrakhimov, A.Esanov			
Influence of the clearance between the punch and the matrix on the	40=		
formation of burr on the insect teeth of the developed saw cutting machine	135		
D.Kholbaev			
Control of cotton pneumotransport facility through scada system	142		
D.Kholbaev			
Cotton pneumotransport pipeline control through mechatronic (Scada)	447		
system	147		
R.Muradov			
Ways to increase the efficiency of gining machine	151		
S.Utaev			
Results of the study on changes in the performance indicators of engines	155		
when operating in diesel and gas diesel modes	155		
B.Mirjalolzoda, M.Abduvakhidov, A.Umarov, A.Akbaraliyev			
Improved gin saw cylinder	161		
ADVANCED PEDAGOGICAL TECHNOLOGIES IN EDUCATION			
S.Khudaiberdiev			
Analysis of the most up-to-date server database management systems	164		
N.Aripov, Sh.Kamaletdinov, I.Abdumalikov			
Using the factor graph to evaluate the quality of output data for shift-daily	170		
loading planning	170		
B.Kholhodjaev, B.Kuralov, K.Daminov			



Block diagram and mathematical model of an invariant system	175
A.Yuldashev	
Historical and theoretical foundations of public administration and leadership	184
ECONOMICAL SCIENCES	
A.Isakov	
Strategy and forecasting of effective use of investments in business activity	188
K.Musakhanov	
Agro-tourism entrepreneurship development model in Namangan region	193
N.Makhmudova	
Innovative mechanisms of the development of service sectors in small	201
business and private business subjects in developed asian countries	201
Kh.Kadirova	
Conceptual foundations of the development of the financial market of	206
Uzbekistan	
G'.Shermatov, Sh.Nazarova	
Specific challenges of small business utilization in health care	211
R.Tokhirov, Sh.Nishonkulov	
Econometric analysis of the impact of innovative development of business	215
entities on economic growth on the example of Uzbekistan	
O.Hakimov	
Problematic issues of taking loans from commercial banks	223
T.Musredinova	
Development of an economic strategy for promoting products and services	230
to foreign markets	
F.Bayboboeva	
Fundamentals of economic security in small business activities	234
A.Ergashev	
Improvement of commercial banks' capital and its economic evaluation	240
methods	
G'.Shermatov	
Improving the methodology of identifying and management of risks affecting	247
the activities of commercial banks	onto 6350
Sh.Lutpidinov	
Issues of the development of freelance activity under the development of the	253
digital economy	