

Scientific and Technical Journal Namangan Institute of Engineering and Technology









NamMTI ILMIY-TEXNIKA JURNALI

Tahrir hay'ati a'zolari:

Qishloq xoʻjaligi mahsulotlarini yetishtirish, saqlash,qayta ishlash	va oziq-ovqat texnologiyalari
Paxtani dastlabki ishlash, toʻqimachilik va yengil sanoat	

Janubiy Ural davlat universiteti, Rossiya - Ege Universiteti, Turkiya	- O ZK FA UNNI - NamMTI	- NamMTI	- NamMTI	- Webster Universiteti
- Janubiy Ura				
1. Toshev A., t.f.d., prof., akad. 2. Banu Yucel., q.x.f.d., prof.	5. Allinov C., L.i.a. 4. Xudayberdiyev A.A., t.f.d., prof.	5. Sherquziyev D.Sh., t.f.d., prof.	6. Merganov A., q.x.f.d., prof.	7. Mamatov Sh., t.f.d., prof.
- NamMTI - NamMTI "Postsongost ilmin modeoni", OAI	- Faxtasanoat miny markazi. OAJ - Tojikiston Milliy Texnologiyalar Universiteti	- NamMTI	- NamMTI	- NamMTI
1. Axmadxodjayev X.T., t.f.d., prof NamMTI 2. Muradov R.M., t.f.d., prof NamMTI 3. Lunging of t.f.d., prof Charles of t.f.d.	5. Junianiyozov Ç., t.i.d., prof. 4. Eshmatov A.B., t.f.d., prof.	5. Xoliqov Q., t.f.d., prof.	6. Ergashev J.S., t.f.d., dots	7. Obidov A.A., t.f.d., dots.

Kimyo va kimyoviy texnologiyalar

Mexanika va mashinasozlik

, prof., akad.	of TTYSI	s NamMTI	of NamMTI	rof NamMTI	dots NamMTI	- BuxMTI
1. Zaynobiddinov S., f.m.f.d., prof., akad.	2. Mardonov B., f.m.f.d., prof.	3. Usmanov P., f.m.f.d., dots.	4. Matkarimov P.J., t.f.d., prof.	5. Sharibayev N., f.m.f.d., prof.	6. Erkaboyev U.I., f.m.f.d., dots.	7. Musoyev S.S., t.f.n., prof.
O'zR FA UNKI	- O'zR FA O'MKI	- OʻzMU	- NamMTI	- OʻzMU	- O'ZR FA UNKI	- OʻzMU
1. Namazov Sh.S., t.f.d., prof., akad O'zR FA UNKI	2. Botirov E.X., k.f.d., prof.	3. Akbarov H.I., k.f.d., prof.	4. Boymirzayev A., k.f.d., prof.	5. Nurmonov S.E., t.f.d., prof.	6. Salihanova D.S., t.f.d., prof.	7. Kattayev N.T., k.f.d., prof.

Ta'limda ilg'or pedagogik texnologiyalar

1. Maniki Tiagi, i.f.d.	iya 2. Malcolm Ng Cher Herh., t.f.d.	3. Soliyev A., i.f.d., prof.	4. Saidboyev Sh., i.f.d., prof.	5. Matkarimov K., i.f.n., prof.	6. Kadirova X.T., i.f.d., dots.	7. Bustonov M.M., i.f.d., dots.
- BMTU, Belorussiya	- Ege Universiteti, Turkiya	- NamMQI	- IRV	- NamMTI	- NamMTI	
1. Goncherenko I.I., f.m.f.d., prof.	2. Hüseyin Kamal, t.f.d., prof.	3. Ergashev Sh.T., t.f.n., dots.	4. Musayev J.P., p.f.d., prof.	5. Xoshimova D., f.f.d., prof.	6. Maxkamov A.M., t.f.d.	

- INTI IUC, Malaysia - NamMTI

- NamMTI - NamMTI - NamMTI - NamMTI

- KIET, Xindiston

<u>Iqtisodiyot</u>

Muharrirlar guruhi

S. Yusupov, O. Kazakov, B. Xolmirzayev, A. Mirzaev, A. Tursunov, O. R. Qodirov (mas'ul muharrir)



THE CONSTITUENT ELEMENTS AND THE NEED FOR STATE REGULATION OF SMALL BUSINESS AND PRIVATE ENTREPRENEURSHIP

ABDIEVA NILUFAR

Master of the National University of Uzbekistan Gmail: nilufarabdiyeva8@gmail.com

ABDULLAYEVA RANO

Associate Professor at the National University of Uzbekistan E-mail: r.abdullayeva71@mail.ru

RAJABOV UTKIR

Associate Professor at Termez State University E-mail: udrajabov@mail.ru

Abstract. The article analyzes the importance of small business and private entrepreneurship in the sustainable development of the country's economy and in meeting the endlessly growing needs of the population. the need for state regulation and conditions for guaranteeing private property and creating an attractive investment environment are analyzed.

Keywords: diverse ownership, competitive environment, economic growth, business environment, property security, incentives, savings, digitization.

Introduction. Development of a stable economy in the Republic Uzbekistan, raising the standard of living of population. eliminating problems such as unemployment and shortages through the development of an economy based on diverse ownership is on the agenda. It is also known from the experience of foreign countries with highly developed economies that the basis of the economy based on different ownership allows to improve the quality of production and services in a competitive environment, to develop modern goods and services that meet the needs of the population, to saturate the markets and to make prices cheaper. In particular. through development of small business and private entrepreneurship, not only the state, but also every family, every person's endlessly growing needs will be adequately met. Small business and private entrepreneurship are important because they can quickly adapt to the market, which reduces drastically the level monopolization of the economy. For this reason, the country's economic growth

cannot be imagined without the development of entrepreneurs and small business entities.

At the same time, ensuring the rapid growth of small business and private entrepreneurship, creating a business environment by the state, improving the organizational and legal mechanisms of business small and entrepreneurship based on the changing conditions for entrepreneurs, eliminating administrative obstacles for business entities, guaranteeing private property and Creating attractive an investment environment is one of the measures that should be implemented continuously.

Analysis of literature on the topic. Theoretical and methodological aspects of small business and private entrepreneurship development A. Smith, J. Foreign scientists such as Schumpeter, F. Hayek, A. V. Busigin, A. I. Ageev, B. A. P. A. Guryanov, F. F. Leshenko. Khamidullin, Ya. S. Yadgarov, A. V. Kirillov and the potential of small business and private activity and the need to regulate it by the state scientific research



H.P.Abulqosimov, Q.Muftaydinov, U.V.Gafurov, N.K.Murodova, G'.P.Sharipov, A.Olmasov and other scientists of our republic described in the works.

Research methodology. Methods such as observation, comparison, systematic and comparative analysis were used during the research work.

Analysis and results. In Uzbekistan, priority is given to the advantages of small business and private entrepreneurship development, and measures to regulate and support this sector by the state are becoming more active. After all, it was concluded that small business and private entrepreneurship activities are the prosperity of the country. For this reason, the number of small business entities is increasing year by year.

However, in comparison with the indicators of foreign countries with developed small business and private entrepreneurship, the fact that we have not yet reached a sufficient level in this field and there is a lot of work to be done, shows the need to generalize and study the experiences of developed countries.

experiences Foreign in the development of small business and private entrepreneurship activities and regulation show that one of the main directions of state policy in developed countries is aimed at supporting the private sector, and they are especially focused on improving it based on changing conditions and being able to quickly change based on requirements. allows market for development.

The structure of support for small business and private business entities through economic mechanisms is implemented through the provision of tax and duty benefits, the use of a simplified taxation system, the allocation of preferential and purpose-oriented loans and subsidies, in which the state is the main reformer and strengthens through legal means. At the same time, the state

supports the activities of educational institutions that train personnel for entrepreneurship at the expense of its own funds, and creates a material basis for the formation of the middle class of owners.

2019 of the President of the Republic of Uzbekistan "On additional measures to fundamentally improve the system of organizing work for the protection of private property and strengthening the guarantees rights of owners, supporting of the entrepreneurial initiatives, as well as expanding the opportunities of business entities to use financial resources and production infrastructure" Decree No. PF-5780 of August 13, establishing the inviolability of private property, the seizure of private property for any reason, including previously privatized property, demolition of property, and the prevention of arbitrariness in the allocation of land small business plots. and private entrepreneurship activities brought development to a new stage [1].

According to the 29th goal of the 3rd direction of the Development Strategy of New Uzbekistan for 2022-2026 entitled "Rapid development of the national economy and ensuring high growth rates", approved by the Decree of the President of the Republic of Uzbekistan No. UP-60 dated January 28, 2022 "to create conditions for the formation of resources, to increase the share of the private sector in the gross domestic product to 80% and the share of exports to 60%" [2] means the future perspective of the development of the private sector in our country.

As of 2023, as of 2023, the total number of registered small business entities has reached 523,556 during the activities being carried out to support and encourage the development of small business and private entrepreneurship, and to create favorable conditions and environment for their free operation. Compared to 2019, their number is almost doubled [5].



Table 1

The share of small business and private entrepreneurship in economic sectors in the Republic of Uzbekistan (as a percentage of the total volume)[5]

Indicators	2019 year	2020 year	2021 year	2022 year	2023 year	2023 vs. 2019 (in percent)
Industry (billion soums)	83344,2	103020,8	124907,9	143892,7	119088,5	142,9%
Construction (billion soums)	53960,9	63866,6	77907,1	93554,5	79990,5	148,2%
Employment (thousand people)	10318,9	9865,7	10080,6	10131,1	10278,9	99,6%
Export (million dollars)	4714,8	3100,9	3335,2	5712,9	5332,4	113,1%
Import (million dollars)	14972,2	10943,3	11533,5	15213,6	13440,6	89,8%

If we analyze the share of small business in economic sectors in our country in 2023, its share in industry was 142.9%, its share in construction was 148.2%, and its share in export of goods and services was 113.1%, compared to 2019.

The experience of Asian, European and American countries with highly developed market economies shows that without identifying the problems entrepreneurship and small business development and finding their solutions, economic arowth. alleviating social problems, increasing the income of the population, filling the consumer market with quality services and goods, the country's export It is a difficult issue to implement important tasks such as capacity building.

Small business and private entrepreneurship activities require state support in one form or another. The need to support business activities arises from a number of circumstances. Most of the business entities are relatively small and have limited opportunities. This leads to a relative decrease in the competitiveness of commodity services and profits. The profits they receive do not allow for the necessary growth and implementation of a strong competitive strategy. If they are not supported, most of them will break. Effective use of limited resources. obtaining techniques and technologies on the basis of benefits, introduction of new ones, provision of specialists and other issues rely on state support [4].

Despite the efforts made in the development of small business and private entrepreneurship in Uzbekistan, it is necessary to further strengthen the protection of private property and the guarantees of the rights of owners, to give additional impetus to the development of entrepreneurship, to support entrepreneurial initiatives and projects, to expand the opportunities of business entities to use financial resources, there is a need to increase the level of social coverage in places.

The experience of foreign countries with developed economies shows that the private sector develops mainly in the service sector. In such countries, the service sector has taken a decisive place and its share in the gross domestic product is 60-80 percent. In this sector, 80% of the employed population in the economy, 50-60% in Western European countries work in the service sector [3].

Therefore, it is appropriate to create a more favorable business environment in Uzbekistan, to summarize the available opportunities, and to implement state support measures based on a special



approach in areas with high entrepreneurial efficiency.

Conclusions and suggestions. In the conditions of the market economy, small business and private entrepreneurship is the main driving force of the economy. It is difficult to imagine a market economy without small business private entrepreneurship. Limited opportunities in business entities mean the need for state support. At the same time, it comes from the need to alleviate social problems by supporting business entities, curb monopoly, create a competitive environment and saturate the consumer goods market. Therefore, in the conditions of the modern market economy, the state maintains the principle of the main reformer and carries out a policy of supporting entrepreneurship.

As a result of the ongoing scientific research, the following conclusions can be drawn in order to further develop small

business and private entrepreneurship, to further improve the mechanism of its state support:

usually more attention is paid to the economic and legal means of state support of business activities. In our opinion, attention should be paid to social factors at the same time. Because in many cases, entrepreneurs are unaware of the ongoing reforms and changes, adopted legal documents, lack of information. Therefore, it is necessary to increase measures to strengthen entrepreneurship culture;

state support for small business and private entrepreneurship should be based on regional characteristics;

it is necessary to systematize the interdependence of legal, social and economic factors of business support;

it is necessary to improve state support for business activities based on changing conditions.

References:

- 1. Ўзбекистон Республикаси Президентининг «Хусусий мулкни химоя қилиш ва кучайтириш, ҳуқуқларининг кафолатларини тадбиркорлик мулкдорлар ташаббусларини қўллаб-қувватлаш борасидаги ишларни ташкил қилиш тизимини такомиллаштириш бўйича қўшимча чора-тадбирлар, тубдан шунингдек, тадбиркорлик субъектларининг молиявий ресурслар ва ишлаб чиқариш инфратузилмасидан фойдаланиш имкониятларини кенгайтириш тўғрисида»ги 2019 йил 13 августдаги ПФ-5780-сонли Фармони. https://lex.uz/docs/4473481.
- 2. Ўзбекистон Республикаси Президентининг 2022 йил 28 январдаги «2022-2026 йилларга мўлжалланган Янги Ўзбекистоннинг Тараққиёт стратегияси тўғрисида»ги ПФ-60-сон Фармони. https://lex.uz/docs/5841063.
- 3. М. Ирисбекова Автомобиль транспорти хизматлари бозорининг ижтимоий-иктисодий мохияти //Иктисодиёт ва таълим журнали. 2010. №5. 24 б.
 - 4. Ҳ.Р. Ҳамроев Тадбиркорлик асослари. –Т.: "Yangi nashr" 2010. б 5.WWW. Stat.uz

Vol 8, Issue 4 www.niet.uz



CONTENTS

PRIMARY PROCESSING OF COTTON, TEXTILE AND LIGHT INDUSTRY	
N.Usmanova, M.Abdukarimova, Sh.Mahsudov	
Information modules for automation of the process of forming the structure of industrial collection of women's clothing	3
O.Turdiyeva, A.Khojiyev	
Research analysis of transformation new assortment development	10
M.Rasulova, Sh.Mamasoliyeva, G.Norboyeva	
Evaluation of heat conductivity of special clothing	15
D.Rayimberdiyeva, N.Nabidjanova, N.Ismailov	
Mathematical model of the influence of a gymnast's strength on clothing fabric	22
G.Gulyaeva	
Modeling of strength reliability and transformation of a knitted loop at the limit state of the structure	26
H.Diyorov	
Experimental determination of the cleaning efficiency of the fiber in the pipe	31
S.Khashimov, R.Muradov	
Problems in cleaning cotton-seed and their solution	35
GROWING, STORAGE, PROCESSING AND AGRICULTURAL PRODUCTS AN FOOD TECHNOLOGIES	ID
N.Kurbanov, S.Bozorov	
Development prospects of the oil production industry in the republic of Uzbekistan and foreign countries	41
Sh.Rasulov, Kh.Djuraev, A.Usmanov, M.Khalikov	
Kinetics of drying process of tomato fruit	45
M.Sobirova, J.Farmonov	
Oil extraction studies from flax seeds	52
M.Meliboyev, G.Makhmudova, N.Muydinova	
Importance of potato powder extraction technology in production and industry	56
CHEMICAL TECHNOLOGIES	
E.Panoev, Kh.Dustov, J.Jamolov	
Research of corrosion and foaming processes in gas absorption purification and technology of their protection in inhibitors	61
U.Odamov, M.Komilov	
Assessment of the degradation process of solar photovoltaic plants in the climatic conditions of Uzbekistan	69
R.Dusanov, Kh.Turaev, P.Tojiev, D.Nabiev, KH.Eshankulov	
Physical-mechanical properties of composite materials based on vermiculite, bazalt, wollostanite, and polyethylene P-Y 342 and polyamide PA-6	77
Z.Voqqosov, M.Ikromova	
Bentonite and phosphorite production of organomineral fertilizers based on raw materials and nitrogen-fixing microorganisms ((CD:B:NFM=100:5:(0-4)), (CD:B:PF:NFM=100:5:5:(0-4)))	81
D.Abuliasiliuov, Mi. Lulaev, F. Lajiyev	



Studying the structure and properties of polypropylene filled with nitrogen,	90			
phosphorus, metal-containing oligomers				
M.Khoshimkhodjaev, M.Khuramova				
Optimization of the method for instrumental neutron activation analysis (inaa)	100			
of natural objects				
F.Rakhmatkariyeva, M.Koxxarov, Kh.Bakhronov	40E			
Isotherm of ammonia adsorption in zeolite CaA (M-22)	105			
R.Kurbaniyazov, A.Reymov, B.Pirnazarov, Sh.Namazov, O.Badalova, B.Beglov				
Rheological properties of ammophosphate pulps obtained using phosphorite				
powder of the khodjakul deposit	111			
F.Eshkurbonov, A.Rakhimov, J.Rakhmonkulov, E.Safarova,				
A.Ashurova, N.Izzatillayev, M.Bobokulova				
Investigation of the chemical-mineralogical composition of bentonite of the				
khaudag deposit and synthesis of wine fining agents based on its	117			
J.Shukurov				
Modeling the production of dimethyl ether from natural gas	126			
D.Makhkamova, Z.Turaev, M.Dedaboyeva				
Study of interaction of components in ZnSO ₄ – NH ₄ H ₂ PO ₄ – H ₂ O system	137			
D.Akhunov				
Study of the problems of atmospheric waste water collection and green field				
irrigation	142			
D.Jumaeva, R.Akhrorova, S.Barnoeva, O.Kodirov, U.Raximov				
Study of adsorption isotherms of polar and non-polar molecules on silica				
adsorbents	146			
ausorbents				
MECHANICS AND ENGINEERING				
MECHANICS AND ENGINEERING E.Abdullaev, V.Zakirov	154			
MECHANICS AND ENGINEERING	154			
MECHANICS AND ENGINEERING E.Abdullaev, V.Zakirov Using parallel service techniques to control system load E.Aliyev, A.Mamaxonov				
MECHANICS AND ENGINEERING E.Abdullaev, V.Zakirov Using parallel service techniques to control system load	154 161			
MECHANICS AND ENGINEERING E.Abdullaev, V.Zakirov Using parallel service techniques to control system load E.Aliyev, A.Mamaxonov Development of efficient chain transmission construction based on analysis				
MECHANICS AND ENGINEERING E.Abdullaev, V.Zakirov Using parallel service techniques to control system load	161			
MECHANICS AND ENGINEERING E.Abdullaev, V.Zakirov Using parallel service techniques to control system load				
MECHANICS AND ENGINEERING E.Abdullaev, V.Zakirov Using parallel service techniques to control system load	161			
MECHANICS AND ENGINEERING E.Abdullaev, V.Zakirov Using parallel service techniques to control system load	161 171			
E.Abdullaev, V.Zakirov Using parallel service techniques to control system load. E.Aliyev, A.Mamaxonov Development of efficient chain transmission construction based on analysis of constructive characteristics of chain drives of technological machines S.Utaev, A.Turaev Results of a study of the influence of oil contamination on wear of the working surface of diesel cylinder lines. L.Tilloev, Kh.Dustov Separation of the polymer mass from the waste of the alkaline cleaning process of pyrogas by the extraction method	161			
E.Abdullaev, V.Zakirov Using parallel service techniques to control system load E.Aliyev, A.Mamaxonov Development of efficient chain transmission construction based on analysis of constructive characteristics of chain drives of technological machines S.Utaev, A.Turaev Results of a study of the influence of oil contamination on wear of the working surface of diesel cylinder lines L.Tilloev, Kh.Dustov Separation of the polymer mass from the waste of the alkaline cleaning process of pyrogas by the extraction method A.Mirzaalimov	161 171			
E.Abdullaev, V.Zakirov Using parallel service techniques to control system load	161 171 177			
E.Abdullaev, V.Zakirov Using parallel service techniques to control system load. E.Aliyev, A.Mamaxonov Development of efficient chain transmission construction based on analysis of constructive characteristics of chain drives of technological machines S.Utaev, A.Turaev Results of a study of the influence of oil contamination on wear of the working surface of diesel cylinder lines. L.Tilloev, Kh.Dustov Separation of the polymer mass from the waste of the alkaline cleaning process of pyrogas by the extraction method. A.Mirzaalimov Effect of temperature on photoelectric parameters of three-way illuminated solar cells.	161 171			
E.Abdullaev, V.Zakirov Using parallel service techniques to control system load	161 171 177			
E.Abdullaev, V.Zakirov Using parallel service techniques to control system load	161 171 177 183			
E.Abdullaev, V.Zakirov Using parallel service techniques to control system load	161 171 177			
E.Abdullaev, V.Zakirov Using parallel service techniques to control system load	161 171 177 183			
E.Abdullaev, V.Zakirov Using parallel service techniques to control system load	161 171 177 183			
E.Abdullaev, V.Zakirov Using parallel service techniques to control system load	161 171 177 183			
E.Abdullaev, V.Zakirov Using parallel service techniques to control system load	161 171 177 183			



Microcontroller-based mechatronic system with heating and humidity sensor for silkworm eggs incubation	205
M.Rasulmuhamedov, K.Tashmetov, T.Tashmetov	
Ethods of determining transport flows	210
J.Izzatillaev, U.Khudoyberdiev, X.Mamadiev	
Prospects for the application of vertical axis wind turbines in the Jizzakh	040
region	218
Y.Asatillaev, N.Israilov	
Problems and possibilities of laser synthesis of metal powders in additive	000
technologies	230
U.Meliboev, D.Atambaev	
Determination of acceptable values of the main factors affecting the production of	007
twisted thread	237
N.Adilov	
Assessment of the technical condition of the weight checking wagon type 640-VPV-	242
271	242
ADVANCED PEDAGOGICAL TECHNOLOGIES IN EDUCATION	
M.lkromova	
Programming as one of the main approaches in the development of children's	247
komputational thinking	247
A.Yuldashev	
Developing activities, the academy of public administration under president of the	050
republic of Uzbekistan	253
B.Kholhodjaev, B.Kuralov, K.Daminov	
Block diagram and mathematical model of an invariant system	259
B.Mamadaliyeva	
Improving students speaking skills in practical lessons	267
G.Rasulova	
A lexical-semantic study of terms related to agricultural technology in Uzbek and	
English languages	273
ECONOMICAL SCIENCES	
M.Bustonov	
Digital economy and employment	279
M.Bustonov	215
Econometric analysis of the activities of multi-sectoral farms	285
M.Rahimova	203
Prospects for the development of small and medium business in Namangan	292
region	
Organizational structure of the internal control service for the fulfillment of tax obligations of enterprises	297
H.Djamalov, A.Abdullayev	
Issues of organizing internal control of fulfillment of tax obligations of	
enterprises	307
Sh.Maripova	
10 Comment 1 * 10 m = 1	
	316
Specific features of management in small business enterprises	316
N.Abdieva, R.Abdullayeva, U.Rajabov	
	316 324