

## DYNAMICS OF CHEMICAL INDUSTRIAL ENTERPRISES OF FERGANA ECONOMIC REGION AND ITS TERRITORIAL COMPOSITION

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### ANNOTATION

In the article, the establishment of chemical industrial enterprises in the Fergana economic region in the following years and their territorial composition, as well as the volume of production of this industry in 2015-2020 were analyzed. Also, the territorial share of chemical industry enterprises was determined and conclusions were made.

**Keywords:** Fergana economic region, chemical industry, industry structure, regional share, regional composition, chemical industrial enterprise, volume of product production.

## ДИНАМИКА ХИМИЧЕСКИХ ПРОМЫШЛЕННЫХ ПРЕДПРИЯТИЙ И ЕЕ ТЕРРИТОРИАЛЬНЫЙ СТРУКТУР ФЕРГАНСКОГО ЭКОНОМИЧЕСКОГО РАЙОНА

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### АННОТАЦИЯ

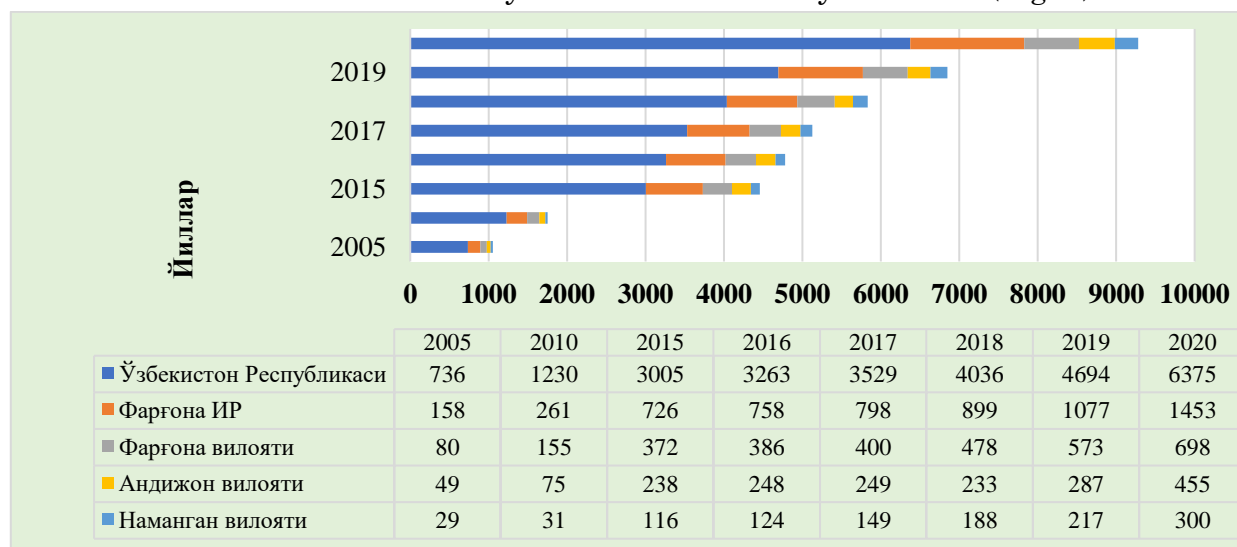
В статье проанализировано создание химических промышленных предприятий в Ферганском экономическом районе в последующие годы и их территориальный состав, а также объемы производства данной отрасли в 2015-2020 годах. Также определена территориальная доля предприятий химической промышленности и сделаны выводы.

**Ключевые слова:** Ферганский экономический район, химическая промышленность, структура промышленности, региональная доля, региональный состав, химическое промышленное предприятие, объем производства продукции.

### INTRODUCTION

In recent years, attention to the development of the chemical industry, including the local chemical industry, has been growing in Uzbekistan. Taking into account the natural, socio-economic capabilities and local characteristics of the regions, a number of reforms are being carried out on the placement of chemical enterprises and improvement of its territorial structure, and significant positive results are being achieved. In particular, the Resolution of the President of the Republic of Uzbekistan Sh.M. Mirziyoev dated October 10, 2022 No. "the goal of attracting direct investment" [1] is set. In the implementation of this goal, scientific research aimed at determining the impact of the chemical industry on the socio-economic development of the republic and its regions, studying the changes in its network and territorial structure is important.

**The main part.** As of January 1, 2020, a total of 6,375 chemical industrial enterprises were operating in the republic, therefore, 22.8 percent were located in the Fergana economic region. 48.0 percent of chemical industrial enterprises operating in the total economic region are located in Fergana region, 31.4 percent in Andijan region, and the remaining 20.6 percent in Namangan region. If we pay attention to the dynamics of chemical industrial enterprises of the economic region in 2005-2020, it can be observed that the number of chemical industrial enterprises established in the next 15 years has increased. For example, 158 chemical industrial enterprises were established in 2005, 261 in 2010, 726 in 2015, and 1453 in 2020. If we compare the number of established chemical industrial enterprises in the region in 2020 with 2005, it can be observed that it has increased by 1295 or increased by 9.2 times (Fig. 1).



**Figure 1. The dynamics of the number of chemical industrial enterprises established in the Fergana economic region in 2005-2020 (in units)**

Fergana region takes the lead in terms of the number of established chemical industrial enterprises. This region accounts for 1/2 of the total chemical industrial enterprises in the economic region. In this regard, among the districts of the region, Uchkoprik, Uzbekistan, Dangara and Buvayda districts stand out. 28.8 percent of chemical industry enterprises in the region belong to these districts. Among the cities of the region, the city of Kokand is the leader, with a total of 81 chemical industrial enterprises. There are 62 enterprises in Fergana and 31 in Margilan (Figure 1). However, the city of Fergana has its advantage in the region in terms of the volume of products created in enterprises. In the following years, the growth of the number of chemical industrial enterprises in the internal regions of Fergana region was influenced by factors such as the adoption of programs, decisions and decrees on the development of chemical industries adopted by the state in order to provide employment to the existing labor resources in them, and the entry of small technologies into the regions based on foreign investment. It is appropriate to explain with. In addition, the increase in the number of the population of the region and the weight of labor resources have also played an important role in the growth of chemical industries in the economic region. On the other hand, the increase in population in the Fergana economic region leads to an increase in the consumption of chemical industry products, and on the contrary, it causes an increase in the demand for them.

Such characteristics created the need to establish chemical industrial enterprises of local importance in this area.

Table 1 The volume of chemical industry production by types of economic activity of Fergana economic region in 2015-2020 year (in billion sums)

№		2015				2020			
		Coke and oil processing Chemistry	Chemistry products	Rubber and plastic products	Main type pharmaceutical products and preparations	Coke and oil processing Chemistry	Chemistry products	Rubber and plastic products	Main type pharmaceutical products and preparations
	<b>Fergana economic region</b>	<b>1249,0</b>	<b>2441,4</b>	<b>185,0</b>	<b>52,3</b>	<b>2408,6</b>	<b>2847,4</b>	<b>748,7</b>	<b>299,2</b>
1.	Andijan	0,1	6,3	29,0	0,9	6,3	524,1	236,8	50,7
2.	Namangan	0,4	42,4	23,5	50,1	9,6	201,3	154,6	230,4
3.	Fergana	1248,5	2392,7	132,5	1,3	2392,7	2122,0	357,3	18,1

The table was compiled by the author based on the data of the statistics departments of Fergana, Andijan and Namangan regions for 2015-2020 year.

The territorial structure of the chemical industry in the economic region is influenced by the volume of products produced by the local small chemical industry enterprises together with the large chemical industry enterprises (Table 1). Currently, in the economic region, the production of chemical products, coke and oil processing industry is highly developed. In this regard, the district has a unique position in the republic. This can also be observed by observing and analyzing the data of Table 1 above (see Table 1). A total of 3927.3 bln. with the production of chemical industrial products worth sums, this indicator will reach 6303.9 billion sums in 2020 (within the next five years). which constituted sum. Compared to 2005, the growth has increased by 1.6 times. In this regard, the contribution of Fergana region is big, on the contrary, the contribution of Namangan region is very small. However, studies show that the pharmaceutical industry can be seen to develop rapidly in the Namangan region in the next years, and the region is the first in the economic region in terms of this industry.

In 2020, the region produced pharmaceutical products worth 230.4 billion sums (77.0% of total pharmaceutical products). These data indicate that the prospects of this industry are high in Namangan region.

The rubber and plastic industry are also developing in the economic district. 748.7 billion in the district in 2020 alone. rubber and plastic products worth sums were produced. This is equal to 11.9% of the total chemical industry production. In terms of production of rubber and plastic products, Fergana region is the leader (357.3 billion sums), followed by Andijan region (236.8 billion sums), and Namangan region (154.6 billion sums) is the last. is in place.

According to the data, the total number of employees currently working in the chemical industry in the economic region is 12,521. 10,033 of them belong to Fergana region, 1,719 to Andijan

region, and 769 to Namangan region [114]. It can be said separately that as of January 1, 2021, a total of 7,551 workers are working at Ferganaazot JSC, a large chemical industry in the economic region. This means 60.3% of the employees working in the enterprises of the economic region.

In Andijan region, the number of workers in chemical industry enterprises is 1719, and most of them are concentrated in Andijan city (1250 people). Among the districts, according to the number of workers, Andijan district (138 people), Shahrikhan district (107 people) is of special importance, while in this regard, Baliqchi and Marhamat districts have at least 2 workers.

In Namangan region, a total of 769 workers works in chemical industrial enterprises today, which is 6.1% of the workers in the economic region. Compared to the Fergana region, the number of employees is 13.1 times less. The city of Namangan (349 people) leads the region in terms of the number of employees. Uychi (107 people), Uchkurgan (105), Namangan (81) and Kosonsoy (62) stand out among the districts, while in Mingbulok and Yangikurgan districts, this industry network is not well developed.

### SUMMARY

Studies show that in the economic region, the weight of Fergana region is much higher in terms of the number of chemical industry enterprises, territorial structure, and volume of product production. Therefore, in the next years, it is necessary to pay special attention to the further development of the chemical industries of Namangan and Andijan regions and the improvement of their territorial structure.

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