

PRIORITY GOALS FOR SUSTAINABLE DEVELOPMENT OF THE PHARMACEUTICAL INDUSTRY

Independent researcher at Urgench State University,

O'taganova Umida Egamberdi qizi

E-mail: utaganovaumida2010@gmail.com

Abstract: This article analyzes the priority objectives of sustainable development of the pharmaceutical industry at the regional level and the mechanisms for achieving them. The study examines the economic and social significance of the pharmaceutical sector, effective use of local raw material resources, development of research and innovation activities, improvement of production efficiency, and expansion of market and export opportunities. Using the example of Surkhandarya region, the impact of investment processes in the pharmaceutical industry on employment and export potential is assessed.

Keywords: pharmaceutical industry, sustainable development, regional economy, investments, exports, employment, econometric modeling

One of the important goals of sustainable development of the pharmaceutical industry is to increase economic activity in the regions. According to statistics, sectors related to the pharmaceutical industry contribute to an average increase in employment in the regions by 8-12%, and in some regions by up to 15%. In addition, this sector makes a significant contribution to the gross regional product, its share in some regions is around 5-7%.

The main goal of the pharmaceutical industry at the regional level is to meet the population's need for high-quality and affordable medicines, increase local production, and expand the economic potential of the regions. Improving employment levels and increasing export potential through the pharmaceutical industry are also among the priority tasks. To achieve these goals, it is very important to form an effective governance system in the regions. Attracting investments by the state, creating tax and financial incentives, and developing

production infrastructure will contribute to the sustainable operation of pharmaceutical enterprises.

Sustainable development of the pharmaceutical industry in Surkhandarya region plays a key role in increasing the socio-economic potential of the region. As a result of the development of pharmaceutical production based on local raw materials, it is possible to increase the volume of production in the region by an average of 1.3-1.5 times, expand the share of import-substituting products, and significantly improve the level of providing the population with quality medicines. As a result, the population of the region will have a direct impact on the improvement of their health and quality of life.

As a result of the consistent implementation of targeted programs developed by regional authorities, the sustainable development of the main indicators of the pharmaceutical industry as one of the strategic directions of the regional economic policy is achieved. Based on the cited sources, the mechanisms for increasing the economic and social efficiency of the pharmaceutical industry, expanding production volumes, sustainably providing the population with quality medicines, and improving regional employment are systematically presented in Table 1.

Table 1**Mechanisms for stabilizing the main indicators of the pharmaceutical industry in Surkhandarya region¹**

No.	Priority areas	Stabilization mechanisms	Responsible agencies	Expected results
1	<i>Development of raw materials</i>	Investment programs ; Support for agro-projects ; Land and resource management.	Regional government, Department of Agriculture .	The volume of raw material production will increase; The share of local raw materials will improve; The number of jobs will increase.
2	<i>Research and innovation</i>	Financing the activities of research centers ; Support for scientific projects on pharmaceuticals .	Research centers , universities .	The number of new drugs increases; The number of patents increases; resulting scientific articles will increase.
3	<i>Production efficiency</i>	Introduction of modern technologies ; Automated production lines ; Quality control .	Pharmaceutical enterprises, technological centers .	Production capacity increases; Labor productivity improves; The product quality index increases .
4	<i>Market and export development</i>	Marketing strategies ; Obtaining quality certificates ; Export support .	Chamber of Commerce and Industry, Export Support Agency .	Product export volume increases; Domestic and international market share will increase.
5	<i>Employment and social efficiency</i>	Training of qualified personnel ; Job creation and	Employment Department, higher education	The number of new jobs created; The employment rate will

¹ The table is based on the author's work.

		development .	institutions .	improve; the social efficiency indicator will be optimized.
--	--	---------------	----------------	---

The mechanisms for stabilizing the main indicators of the pharmaceutical industry in Surkhandarya region proposed by us are implemented through several main directions. The direction of raw materials is mainly the development of raw materials, which includes investment programs, support for agro-projects, and the efficient use of land and natural resources. These mechanisms will allow increasing the volume of raw material production, expanding the share of local resource use, creating jobs, and ensuring environmental sustainability in the region. The next direction is focused on research and innovation. By providing financial support to research centers and scientific projects, new medicinal products will be produced, patents will be obtained, and scientific articles will be created. The third direction is related to increasing production efficiency. The introduction of modern technologies and automated production lines, strengthening the quality control system, will improve production capacity and labor productivity, and the efficient use of resources will strengthen sustainable production indicators. The fourth area is market and export development. Through marketing strategies, obtaining quality certificates and supporting exports, medicinal products will become competitive in the local and international markets, export volumes will increase and market stability will be ensured. The last area is employment and social efficiency. This will improve employment levels and healthy living indicators by training qualified personnel, creating jobs and raising awareness of the population about the benefits of medicinal plants.

At the regional level, the management of the pharmaceutical industry is carried out mainly through financial and economic mechanisms. In the processes of organizing and managing the activities of the pharmaceutical industry in Surkhandarya region, the regional administration, local government bodies, and the Agency for the Development of the Pharmaceutical Industry play an important role. These organizations carry out their activities on the basis of decrees and

resolutions of the President of the Republic of Uzbekistan and the Cabinet of Ministers, as well as other regulatory legal acts related to the industry.

In order to solve the problems arising in the process of the pharmaceutical industry in Surkhandarya region, special long-term regional programs have been developed and are being implemented. One of the important regulatory documents determining the directions for the further development of the pharmaceutical industry in the region is the Resolution of the President of the Republic of Uzbekistan No. PQ-14 “On additional measures to further develop the pharmaceutical industry and accelerate the implementation of investment projects”, adopted on January 10, 2024 ².

According to this resolution, it is planned to attract investments in the amount of 56.2 million US dollars for the development of the pharmaceutical industry in Surkhandarya region. The main part of the planned investments is planned to be financed from the own funds of enterprises, their volume is 19.5 million dollars. This indicates that the internal financial capabilities of pharmaceutical entities operating in the region are relatively stable and they are actively participating in the investment process. It is planned to attract funds in the amount of 6.0 million dollars from loans from commercial banks, which reflects the role of the banking and financial system in supporting the pharmaceutical industry. According to the plan, the volume of unsecured foreign loans in Surkhandarya region is set at 9.2 million dollars, and foreign direct investments are set at 21.5 million dollars. These indicators indicate that the region is somewhat attractive to foreign investors and has the potential to attract international financial resources. The fact that investments are not planned at the expense of state-guaranteed foreign loans and the Fund for Reconstruction and Development indicates that projects in the region will be implemented mainly on the basis of market mechanisms and private initiatives. As a result of the implementation of investment projects, it is planned to create 530 new jobs in Surkhandarya region.

² <https://www.lex.uz> Resolution of the President of the Republic of Uzbekistan No. PQ-14 “On additional measures to further develop the pharmaceutical industry and accelerate the implementation of investment projects”

This will contribute not only to economic growth through the development of the pharmaceutical industry, but also to increasing employment in the region and ensuring social stability.

LIST OF REFERENCES USED

1. O‘zbekiston Respublikasi Prezidenti. Farmatsevtika tarmog‘ini yanada rivojlantirish va investitsiya loyihalarini amalga oshirishni jadallashtirish chora-tadbirlari to‘g‘risida PQ–14-son qarori. 10.01.2024.
2. World Health Organization (WHO). Traditional Medicine Strategy 2014–2023. Geneva: WHO Press, 2023.
3. Porter M.E. The Competitive Advantage of Nations. New York: Free Press, 2018.
4. Schumpeter J.A. Theory of Economic Development. Cambridge: Harvard University Press, 2019.
5. OECD. Innovation, Productivity and Sustainability in Pharmaceutical Industries. Paris: OECD Publishing, 2022.
6. Gujarati D.N., Porter D.C. Basic Econometrics. 5th ed. New York: McGraw-Hill, 2020.
7. Wooldridge J.M. Introductory Econometrics: A Modern Approach. Boston: Cengage Learning, 2021.
8. O‘zbekiston Respublikasi Statistika agentligi. Hududlar bo‘yicha sanoat va investitsiya ko‘rsatkichlari. Toshkent, 2023.
9. Surxondaryo viloyati hokimligi. Viloyat ijtimoiy-iqtisodiy rivojlanish ko‘rsatkichlari statistik to‘plami. Termiz, 2023.