



Medicinal Plants Growing in Our Republic Medicinal Properties

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ABSTRACT

Medicinal plants growing in Uzbekistan in folk medicine its application, prevention of diseases occurring in the human body and treatment of them, as well as the role of medicinal plants in the pharmaceutical and perfume industry is incomparable. In addition, the role of medicinal plants and spices in the food industry is significant. In order to use medicinal plants in pharmaceuticals, it is necessary to increase the number of pharmaceutical factories in Uzbekistan and to produce the necessary medicine by using our medicinal plants. It is necessary to establish plantations for the purpose of rational use and protection of these medicinal plants, creation and breeding of many varieties

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The flora of Uzbekistan is very rich and colorful. Deserts and steppes, mountains and hills, lowlands and river deltas are located side by side to create a wonderful landscape. It may seem incredible, but in fact, compared to the neighboring regions of Central Asia, the number of plants per unit of area in the mountains of Uzbekistan is several times higher. The rich flora of the country includes more than six thousand different plants, including medicinal plants. Such herbs are environmentally friendly and are used as raw materials for the production of food, aromatic and pharmaceutical products. Complex processing of plant materials is carried out in accordance with all modern regulations, within the framework of which extraction, purification, concentration, standardization are carried out that meet all international quality standards of production. The most common medicinal plants in Uzbekistan are basil (basil), cilantro (coriander), fennel, mint, sebarga, aloe, mint, medicinal valerian, flax. Wild plants can be found in plains and mountains, and can be bought in markets and pharmacies. Local people know in advance about the miraculous power of such plants. They, that is, medicinal plants, are eaten, added to food as a spice, aromatic and vitamin-rich teas are brewed, used as medicine, and in cosmetic stores you can find monoos, a special plant you can buy tinctures, herbal preparations for baths, various useful supplements, essential oils, and more. Each product contains natural minerals, vitamins, various ethers, fragrances and biologically active substances. Today, the interest in medicinal plants is increasing more and more, due to the global pandemic, special attention should be paid to human health, increasing awareness of health secrets, to activate the natural immune system of people who are much older and suffering from chronic diseases. the preference for remedies, the absolute harmlessness and benefit of natural remedies have caused a sharp increase in the amount of investment in scientific research in this field and the demand for medicinal plants in international markets. In particular, in 2020, the turnover of medicinal plant-based products in the countries of the world amounted to 100.9 billion dollars, which was

7.2% annually. Uzbekistan is considered a region rich in natural and geographical medicinal plants, about 1,200 of the 4,500 species of tall plants naturally present in the country have medicinal properties. In recent years, in our country, great importance has been attached to the development of medicinal and spice plants, especially to the effective and productive use of natural resources. In particular, the Decree of the President of the Republic of Uzbekistan dated April 10, 2020, No. The decision created the legal basis for the radical development of the industry. As a result of the implementation of the tasks of this decision, the number of farmers and entrepreneurs who are engaged in not only collecting medicinal plants in the wild, but also cultivating them in the plantation method and organizing their processing is increasing significantly. During the last century, 9 clusters of medicinal plant cultivation were established, and they grow chamomile, cowberry, lemongrass, peppermint, licorice, saffron and other medicinal plants.

As a result of their benefits, raw materials and processed products of medicinal plants worth 1.7 million US dollars were exported to 4 foreign countries in 2021. Today, as a result of increased attention to the field and rational use of available opportunities, more than 100 types of medicinal plants from the republic are allowed to be used in official medicine, and the main part of these medicinal plants are naturally growing plants. The raw material reserve of these naturally growing plants is limited, and one of the urgent problems is to protect them, study their bio-ecological properties, properly use the raw material reserve, and develop scientifically based methods of reproduction. Therefore, in Uzbekistan, it is necessary to supply the needs of the pharmaceutical industry with raw materials of medicinal plants, to enrich the local flora with new introduced plant species, and to develop technologies for their cultivation. In particular, at the beginning of 2020, there were 27 types of medicinal plant plantations on a total of 11.5 thousand land areas in all regions of the republic, and during 2021, medicinal plant plantations were increased to 15.8 thousand by 162 subjects. 17.3 thousand tons of raw materials of 45 types of medicinal and spice plants, which are popular in domestic and foreign markets, were grown. Along with the expansion of cultural plantations of medicinal plants and the increase in production volumes, the export potential of the industry is being strengthened. At the end of 2020, more than 16,000 tons of medicinal plant raw materials and processed products worth 50.0 million US dollars were exported to 29 foreign countries, and by the end of 2021, this indicator will increase. products worth 55 million dollars will be exported to 37 countries of the world. The increase in the export geography at the expense of the USA and European countries is an indication of the great potential of the sector. Also, the establishment of primary seed production and the establishment of nurseries for the creation of cultural plantations of actively used medicinal plants is the root of the industry, and today 22 types of medicinal and spice plants are grown by 16 entities. plants are growing seeds and seedlings. It should be said that along with the development of the industry, the population's interest and consumption of natural medicines is increasing, and awareness is increasing. Strengthening the work in this regard, increasing not only the consumption culture of the population, but also attracting them to the cultivation of medicinal plants on their farms, planting medicinal plants in cooperation with clusters and exporters based on the principle of "one neighborhood - one product", primary processing, it is necessary to increase self-employment and income of the population by directing it to domestic and foreign markets. One such plant is the plant known as the "sultan of spices", which is considered a valuable raw material for the food, pharmaceutical and perfume industry, which is both medicinal and spicy - saffron is the most expensive plant in the world today. is considered Saffron is grown in large plantations in the countries of the Mediterranean, Middle East, Central and South Asia, including Iran, India, Turkey, Greece, Italy, Pakistan, USA, Azerbaijan, Russia, as well as today in Uzbekistan. This plant is a perennial herb with a height of 10-30 cm. The root is 2-3 cm. On the plant, the ball leaves appear 10-15 days before the flowering period, and it blooms in late October and the first half of November. Inside the petals, pollinators are red, seeds are orange. Since it does not produce seeds, it is propagated vegetatively (by bulbs).

Conclusion: The role of medicinal plants and medicinal preparations prepared from them is incomparable in maintaining people's health, preventing diseases, raising and forming a healthy young generation. In the following years, in most countries, including Uzbekistan The rapid development of the pharmaceutical industry is observed in the Republic, which causes a sharp increase in the demand for raw materials of medicinal plants by pharmaceutical companies. It should be noted that due to the limitation of the reserves of naturally growing medicinal plants, in the future, the pharmaceutical industry will meet the ever-increasing

demand of the enterprises for the raw materials of medicinal plants, mainly for the cultivation of medicinal plants. can only be satisfied through The field of cultivation of medicinal plants is one of the main areas of forestry, providing the pharmaceutical industry and the population with high-quality, environmentally friendly medicinal plants The role of this industry in providing raw materials is great.

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