

The Role of Medicinal Plants in the Development of the Pharmaceutical Industry in Uzbekistan

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Abstract: Public health protection, disease prevention, the younger generation of medicinal plants and the role of medicines prepared from them is unique.

Keywords: resource, plant, raw materials, harvesting , preparations.

The goal; In the following years, in most countries, including in the Republic of Uzbekistan, there is a rapid development of the pharmaceutical industry, this situation is the reason for a sharp increase in the demand of pharmaceutical enterprises for raw materials of medicinal plants.

It should be noted that due to the limited resources of medicinal plants growing naturally, pharmaceuticals in the future, the increasing need of industrial enterprises for raw materials of medicinal plants, mainly the cultivation of medicinal plants, it can be landed independently. The cultivation of medicinal plants is one of the main directions of forestry, providing the pharmaceutical industry and the population with high-quality, environmentally friendly medicinal plants.

Currently, 10 specialized farms have been established in our country, engaged in the cultivation of medicinal plants.

In addition, many farmers and other employees of the forest system also cultivated medicinal plants and primary processing of their raw materials on their own farms.

However, there are many of them in our country, despite the sharp increase in demand for medicinal plant raw materials.

Technologies for growing medicinal plants that provide valuable raw materials have not yet been fully developed.

It should be noted that no science can develop independently without relying on the achievements of other sciences.

In turn, horticulture, botany, dendrology, pharmacognosy, agrochemistry, soil science, plant physiology, plant biochemistry, plants are engaged in the cultivation of medicinal plants.

It can achieve its goals only if it relies on the achievements of biotechnology, chemistry, physics and other sciences,

Research methods; The effect of medicinal plants on the body depends on the composition of their compounds. These compounds are deaf to the plant.

It accumulates in different parts in different amounts. The necessary parts of the plant for the preparation of medicine are collected at different times. For example, the bud is at the beginning of flowering, before the leafy plant blooms, or during its flowering, when the flowers open, when fruits and seeds ripen, underground organs (root, rhizome and bulb) are taken in early spring or late autumn.

The active ingredient of medicinal plants are alkaloids, various glycosides, antiglycosides, cardiac glycosides, saponins, flavonoids, coumarins, additives, essential oils, vitamins, resins and other compounds.

Most medicinal plants used in scientific medicine are medicinal plants that have been used in folk medicine for centuries.

Among the medicinal plants of Uzbekistan are pomegranate, bitter pumpkin, almonds, cauliflower, walnut, plantain, pistachio tree, barberry, nettle, licorice, terpopis, nightshade, periwinkle, dusk, wormwood, ephedra, dandelion, datura, rosehip, yarrow currant ziziphora, anise, fennel, valerian mint, chamomile and others are used. Alkaloids are obtained from bitter gourd - paxicarnine, from yarrow - harmine, anabazine, from ungeria- galantamine and from datura -hyoscyamine, the alkaloid securinin from the semi-shrub plant securinega, the alkaloid echinopsin from the plant mordovica vulgaris, glycoside zrimizin cordial from the plant jaundice gray, glycoside cordial corelborin from the plant frost Caucasian, cymarin cordial from the plant hemp glycosides were isolated and effective medicines were prepared on their basis. Anthelmintic pelterides are prepared from the extract of pomegranate pods, calendula preparations are expectorants and emollients. In subsequent years, preparations based on raw materials of medicinal plants were widely used in medicine, including preparations made on the basis of a soothing plant and passionflower, central nervous system stimulants, preparations, tall zamanikha, aralia Manchuria, Daurian clopogonia, based on raw materials of astragalus, Dioscorea Caucasica and other plants.

According to the composition of medicinal plants, they are divided into alkaloid, glycoside, essential oil polysaccharide phenolglycoside lignins vitamin coumarin tannin anthracene flavonoid Due to the growing demand for medicinal plant products in our republic, the production of their raw materials is declining. This, in turn, leads to a decrease in the growth stocks of a number of medicinal plants. as a result, their raw material extraction will be sharply limited or completely leading to its cessation, the only way to carefully use the resources of medicinal plants is their cultivation and cultivation on industrial plantations.

As a result of these studies, they were isolated from different plants effective medicines based on the obtained active substances have been created and are successfully used in medical practice. For example, the alkaloid securinin from the semi-shrub plant securinega, the alkaloid echinopsin from the plant mordovica vulgaris, the glycoside erimizin cordial from the plant jaundice gray, the glycoside cordial corelborin from the plant frost Caucasian, cymarin cordial from the plant hemp glycosides were isolated and effective medicines were prepared on their basis. In subsequent years, drugs based on raw materials of medicinal plants were widely used in medicine, including drugs made on the basis of a soothing plant and passionflower, central nervous system stimulants, drugs made on the basis of the root of the central nervous system, tall zamanikha, aralia Manchuria, eucommia, Daurian clopogonia,

Conclusion; The world of medicinal plants of our republic, especially their tree and shrub species, has a diverse and rich gene pool. Most plants are biologically active and non-toxic. medicinal plants used as preservatives and for the treatment of various diseases.

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