



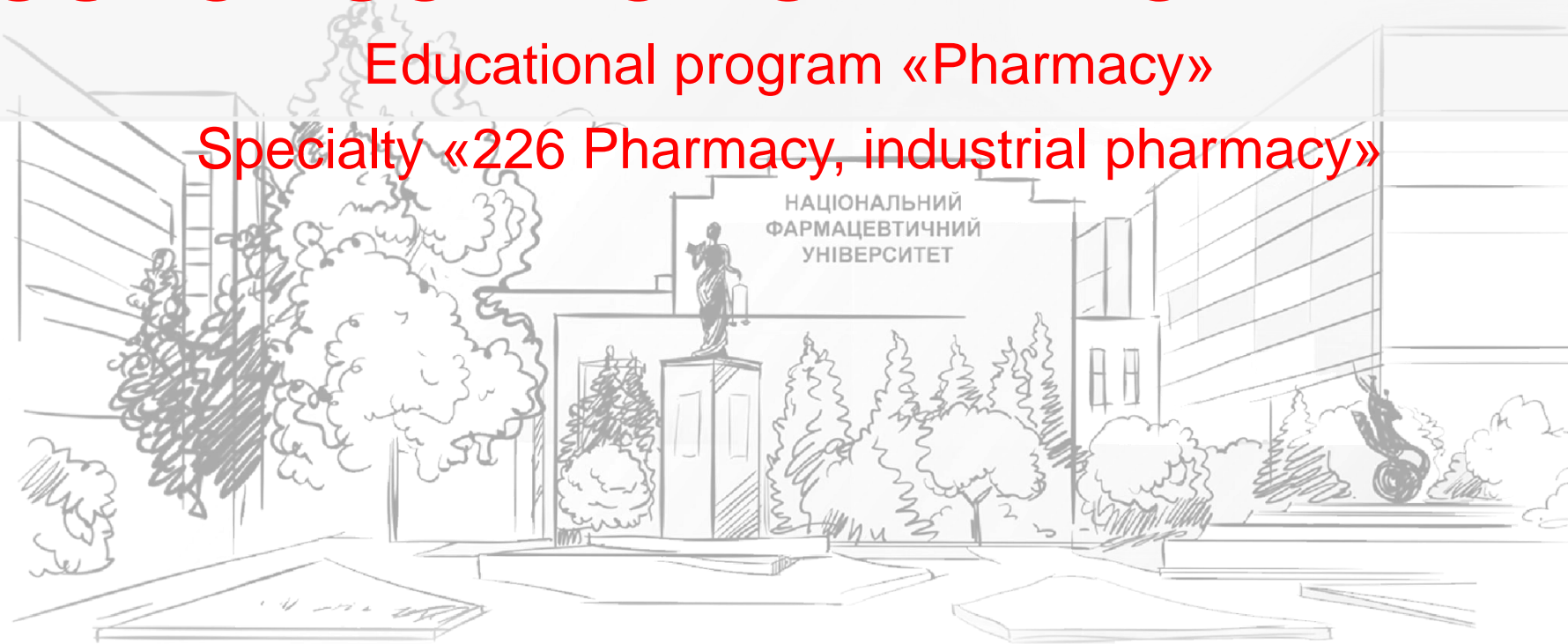
MINISTRY OF HEALTH OF UKRAINE
NATIONAL UNIVERSITY OF PHARMACY
Department of Pharmacognosy and Nutriciology



Elective educational component «RESOURCE SCIENCE OF MEDICINAL PLANTS»

Educational program «Pharmacy»

Specialty «226 Pharmacy, industrial pharmacy»



Resource science of medicinal plants

is a branch of resource science that studies the natural resources of medicinal plants

- their distribution
- methods of procurement
- restoration and extended reproduction of plant resources in natural conditions



The importance of studying resource science of medicinal plants



The study of resource science of medicinal plants is caused by the need for the practical implementation of the procurement of medicinal plant raw materials, as well as the organization of the rational use and timely reproduction of phytoresources, which is necessary for obtaining **medicinal plant products**.

The aim of resource science of medicinal plants

1

study of the resources of the plant world for the needs of human health

2

obtaining data necessary for the development of a program of rational use, protection and reproduction of medicinal plant resources

3

acquiring knowledge about medicinal plants



Objects of resource science of medicinal plants

- **The object** of direct work in resource science of medicinal plants is specific types of medicinal plants that are sources of raw materials



What we will study

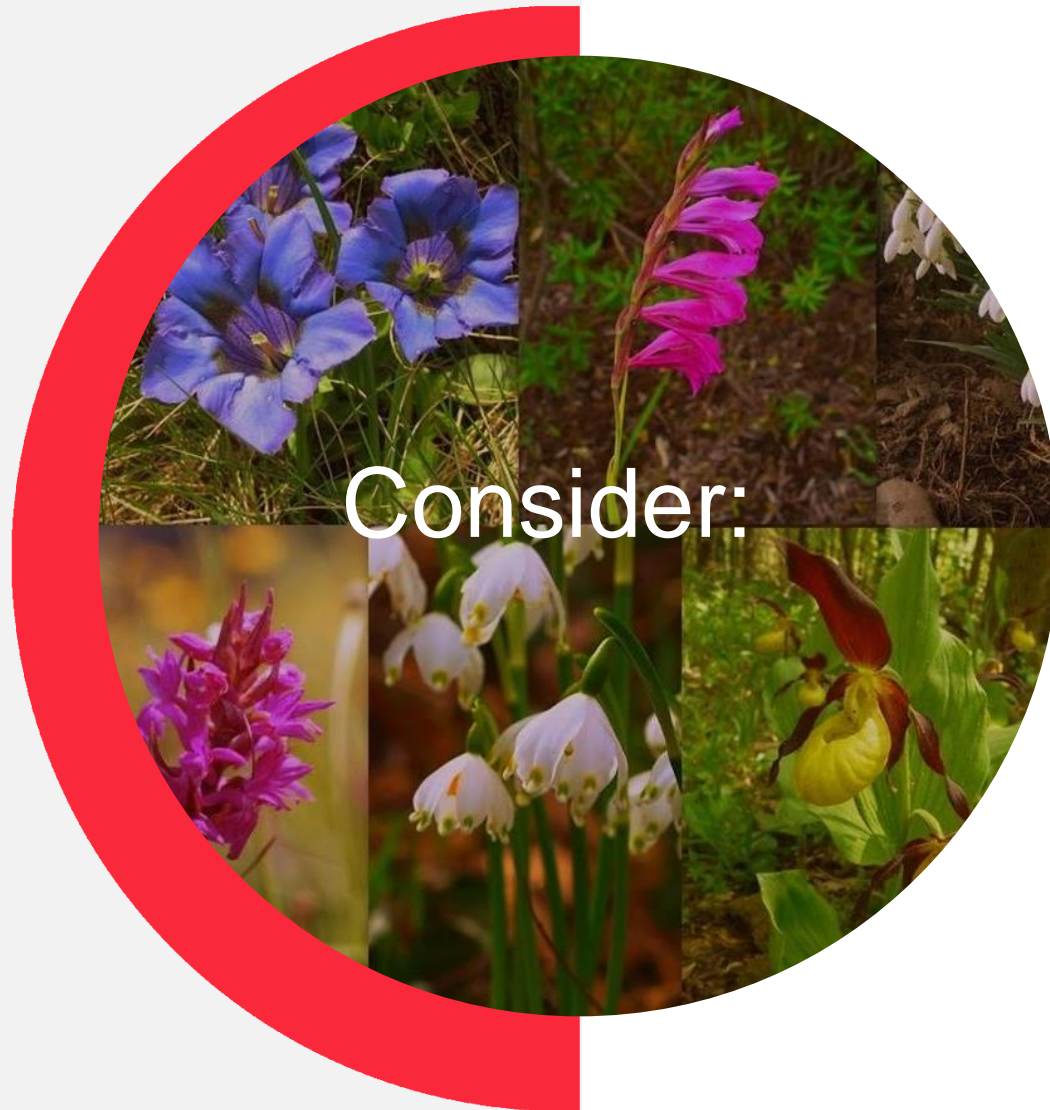
- species of medicinal plants growing in the world, which are the source of raw materials from which herbal medicinal products are produced: life forms, influence of geographical and ecological factors on their development, areas of growth, characteristics of the raw material base
- the main types of plants included in the Red List
- regulatory and legal bases for the use of medicinal plant resources





Learn about:

- rules for determining productivity, operating reserves and possible annual harvests
- organization and general rules of procurement, drying and storage of medicinal plant raw materials
- main procurement organizations and their functions
- a system of state measures for the rational use and protection of medicinal plant
- methods of accounting for medicinal plant resources
- methods and approaches of rational use of plant resources, taking into account current environmental legislation and regulatory acts
- safety rules when working with medicinal plant and medicinal plant raw materials
- the system of standardization and certification of medicinal plant raw materials, herbal medicinal products in Ukraine; documentation of medicinal plant raw materials analysis results; legal meaning of the certificate



Consider:

- to navigate the modern problems of ensuring the pharmaceutical production of medicinal plant raw materials
- predict and find promising plant species – sources of specific biologically active substances
- to estimate stocks of medicinal raw materials in specific thickets
- to develop and forecast the effectiveness of a rational mode of use and restoration of plant resources
- organize and carry out procurement, acceptance and standardization of medicinal plant raw materials
- carry out a set of measures aimed at the storage and propagation of thickets of medicinal plants and plants included in the Red List
- carry out harvesting and drying, primary processing and storage of medicinal plant raw materials
- to calculate the yield, operational reserves and annual possible harvesting of wild medicinal plants



- Nature is inexhaustibly sustainable if we care for it. It is our universal responsibility to pass a healthy earth onto future generations.

- *Sylvia Dolson*



- Study nature, love nature, stay close to nature. It will never fail you.

- *Frank Lloyd Wright*

THANK YOU FOR YOUR ATTENTION!



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