

Medicinal plants

Year: 3.

Semester: winter, 2022/2023

Lectures: 2hrs/week, every second week 4hrs

Lecturer: Mgr. Ondrej Ďuriška, PhD.

1. **Introduction** – basic information about semestral project
2. **Dispersal of medicinal plants in the World** – Classification and identification of medicinal plants, generative organs of medicinal plants.
3. **Conservation of medicinal plants** – Red list of ferns and flowering plants of Slovakia (5th edition) and European red list of medicinal plants
4. **Production of medicinal plants in the World** – Good agricultural and collection practices (GACP) for medicinal plants (WHO)
5. **Pharmaceutically important medicinal plants** – *Silybum marianum*, *Papaver somniferum*, *Carum carvi*, *Cucurbita pepo* conv. *citrullina* var. *styriaca*, *Phoeniculum vulgare*, *Pimpinella anisum*, *Plantago* sp., *Rosa* sp.
6. **Pharmaceutically important medicinal plants** – *Matricaria recutita*, *Calendula officinalis*, *Lavandula* sp., *Malva* sp., *Verbascum* sp., *Echinacea* sp., *Crataegus* sp., *Humulus lupulus*.
7. **Pharmaceutically important medicinal plants** – *Plantago lanceolata*, *Mentha* sp., *Melissa officinalis*, *Salvia* sp., *Ginkgo biloba*, *Thymus* sp., *Agrimonia* sp., *Hypericum perforatum*, *Tribulus terrestris*, *Achillea* agg., *Artemisia* sp., *Cynara scolymus*
8. **Pharmaceutically important medicinal plants** – *Levisticum officinale*, *Acorus calamus*, *Glycyrrhiza* sp., *Ononis* sp., *Valeriana officinalis*, *Archangelica* sp., *Arctium* sp., *Inula helenium*, *Symphytum officinale*, *Quercus* sp., *Frangula alnus*
9. **Harvesting, drying and storage of medicinal plants** – Good agricultural and collection practices (GACP) for medicinal plants (WHO)
10. **Control of quality of medicinal plants in the pharmaceutical and food industry** – Good practice in control laboratory (GPLC)
11. **Processing and manufacturing of medicinal plants** – Good manufacturing practice (GMP), Hazard analysis of critical and control points (HACCP)
12. **Presentation of semestral projects**
13. **Presentation of semestral projects**

Mgr. Ondrej Ďuriška, PhD.