

Technology of Natural Drugs

Year of Study: 4th

Study Semester: Winter, Academic year 2022/2023

Seminars: 2 hrs every two weeks

Teachers: PharmDr. Vladimír Forman, PhD., PhD. students of the Department of Pharmacognosy and Botany

Syllabus of Seminars

1. Plant resources in the pharmaceutical industry
2. From the wild nature to us – processes on the drug path from the collection of the mother plant or mother plant organ to the production of a specific product
3. Factors influencing the quality of drugs
4. Requirements for the plant material quality, basic processing methods, herbal tea mixtures preparation
5. A glimpse into the history of extracts preparation
6. Extraction and isolation technologies for medicinal and aromatic plants I.
7. Extraction and isolation technologies for medicinal and aromatic plants II.
8. Extraction and isolation technologies for medicinal and aromatic plants III.
9. Secondary metabolites identification
10. Quality control of plant material – undesirable components, fingerprint analysis
11. Biotechnology in the area of medicinal plants
12. Selected plant products of everyday life and technology of their preparation

Bratislava, 1. September, 2022

prof. PharmDr. Pavel Mučaji, PhD.
Head of Department