

Modul 3: **INFORMATION ABOUT AGRICULTURAL ASPECTS – Slovak University of Agriculture in Nitra (CURRICULUM)**

Modul 3 of Ing. Miroslav Habán, PhD. (Slovak University of Agriculture in Nitra) is concentrated on the most frequently grown and used inland medicinal plants. The perspective and the increase of interest on medicinal plants in the Slovakia are limited by factors. As open, continually changing problems remain question connected with rules of good agricultural and production practices, cultivation efficiency, value of subsidy and with real possibilities of market and grown raw materials processing.

I. INTRODUCTION

- Why medicinal, aromatic and spicy plants (MASP), historical background, current sources

II. BASIC INFORMATION ABOUT MEDICINAL PLANTS

- Scientific (Latin) Names, Synonyms
- Importance of Cultivation
- Description, Taxonomy and History
- Biological and Botanical Characteristics
- Ecobiology and Biodiversity, Occurrence and Amplify
- Agroecological and Cultivation Notes
 - Climate: Water, Temperature, Light;
 - Soil, Nutrients

III. MOST POPULAR GROWING MEDICINAL PLANTS IN SLOVAKIA - TECHNOLOGY OF CULTIVATION (Propagation and Cultivation)

- Commercial Varieties and Cultivars Assortment
- Crop Rotation
- Soil Cultivation
- Nutrition and Fertilizing
- Crop Establishment
- Plants Care During Vegetation
- Plants Protection Against Damaging Factors
 - Diseases Control
 - Pest Control
 - Weed Control

IV. GOOD AGRICULTURAL AND COLLECTION PRACTICE

- WHO guidelines
- Basic Information

V. MEDICINAL PLANTS FROM NATURE

- Scientific (Latin) Names, Synonyms
- Importance of the Localities
- Description, Taxonomy and History
- Biological and Botanical Characteristics
- Ecobiology and Biodiversity, Occurrence and Amplify

- Agroecological and Localities Notes
- Endangered species of Medicinal Plants in Slovakia

V. TECHNOLOGY OF HARVEST AND STORAGE

- Harvest Technology
- After-harvest Technology
- Conservation and Plant Drying

VI. CHEMISTRY - CHEMICAL COMPOSITION AND DRUG QUALITY

VII. USAGE

- Traditional /Folk/ Medicine and Ethnomedicine
- Official and Alternative Medicine
- Potential Toxicity and Warnings (N)
- Pharmaceuticals
- Others