

MAJOR TRENDS OF SCIENTIFIC RESEARCH

Pharmacognostic research of insufficiently investigated plants of western region of Ukraine with the purpose to develop new medications and biologically active supplements on their basis is carrying out.

Resource, morphological and histological, chemical and pharmacological researches of plants, medicinal plant materials and obtaining of biologically active substances are being conducted at the department, including elaboration of analytical and normative documentation projects for monographs for medicinal plant materials, phytosubstances and phytopharmaceuticals.

Associate professor R.Ye. Darmohray carries out the pharmacognostic investigation of the Asteraceae, Fabaceae, Apiaceae, Polygonaceae as promising sources of bioactive substances, their chemotaxonomic studies. He is an author of above 104 scientific, educational and methodical works.

Assoc. professor L.V. Benzel investigates natural plant sources of phenolic compounds, alkaloids, polysaccharides within the Western part of Ukraine with interferon-inducing, immunomodulating, anti-inflammatory, anaesthetic and antimicrobial activities. He is an author of 370 scientific publications, including 6 copyright certificates for the inventions, 44 patents of Ukraine, 9 monographs, 15 educational and methodical manuals (10 are recommended by the Central Methodical Committee of the Ministry of Public Health, the Ministry of Education and Sciences of Ukraine), 2 Temporary Pharmacopoeia Monographs, 13 methodical recommendations, 13 informative letters.

Assoc. professor N.V. Shapovalova is engaged in pharmacognostic study of medicinal plants, containing phenolic compounds and essential oils, development and creation on their basis of phytopharmaceuticals and aromatherapeutic remedies, biologically active supplements. Her research interests include fundamentals and improving of teaching of Pharmacognosy, resources of medicinal plants, specialization "Medicinal plants and phytotherapy" in terms of credit-modular system of educational process. She is an author of 38 publications, among them 1 monograph, 1 typical curriculum, 4 educational manuals, 13 educational and methodical works.

Professor N.M. Vorobets is an author of over 130 scientific works, 20 educational publications. Her research interests concern the pharmacognostic study of plants of the western part of Ukraine, investigation on resistance of medicinal plants to heavy metals, possible application for phytoremediation purposes, and pollen dynamics of allergogenic plants of the Lviv region.

Assoc. professor O.M. Cherpak investigates the diagnostic morphological and anatomic characters of medicinal plants and carries out the phytochemical research of plant which exhibit antimicrobial and anticoagulant activities. She is an author of above 40 scientific publications, which include 1 monograph, 4 patents of Ukraine, 1 manual, 3 methodical recommendations, 1 test questions manual. She is an expert of testing center in preparation of the test tasks on pharmaceutical botany to the State licensing examination „Krok 1”.

Sr. teacher I.L. Benzel carries out the pharmacognostic study of natural plant sources of phenolics, that possess interferoninducing, antiviral, antimicrobial and immunomodulatory properties. Author of 112 scientific publications, including 2 manuals, 1 monograph, 2 letters of the Ministry of Public Health of Ukraine, 10 patents of Ukraine and 1 methodical recommendation.

Assist. professor O.Y. Tsal searches for promising plant species of folk medicine of the western region of Ukraine with the purpose of their pharmacognostic investigation and development of new medicines. She is an author of 38 scientific publications, including 1 patent of Ukraine, 3 educational manuals, 2 methodical recommendations.

Assist. professor O.V. Rybak works on pharmacognostic investigation of the Lamiaceae, Clusiaceae, Rosaceae and Asteraceae species. She is an author of 50 scientific works, including 1 patent of Ukraine, 1 educational manual, 4 methodical recommendations.

Assist. professor R.M. Lysiuk investigates the plants of hypoazotemic action, and natural sources of flavonoids. Research interests also comprise principles and improving of teaching of Pharmacognosy for English-medium students. Author of 70 scientific publications, including 5 manuals (2 are recommended by the Ministry of Education and Sciences, Youth and Sports of Ukraine), 1 electronic textbook, 6 educational and methodical recommendations