



AKADEMIA E SHKENCAVE E SHQIPËRISË
SEKSIONI I SHKENCAVE NATYRORE DHE TEKNIKE
QENDRA KËRKIMORE E BIOTEKNOLOGJISË DHE GJENETIKËS

PROGRAM

International Scientific Forum “Strengthening scientific cooperation at the Balkan level for obtaining bio-natural pharmaceutical by-products for Albanian business”.

Hall “Academic Book”, Academy of Sciences, Tirana

November, 11 2025, 8:30

8.30 – 9.00	I. Registration
09.00 -09.05	II. Opening Speech
09.05 -09.15	III. Greeting Speech , Acad. Ilia Mikerezi, Research Center “Biotechnology & Genetics”, Permanent Committee "Biology, Agriculture, Veterinary", Albanian Academy of Sciences
Sesioni I	
09:15 – 11:20	Scientific results of the VITROBMA project of the Plant Biotechnology Sector, "Biotechnology & Genetics" Research Center, Academy of Sciences and perspectives in cooperation with scientific institutions inside and outside the country in the field of the use of medicinal and aromatic species:
“Overview of results to date for research on innovative <i>in vitro</i> strategies in bioreactors for the sustainable utilization of medicinal aromatic plants (MAP) for the production of secondary metabolites (SM) used in pharmacology, as food additives and cosmetics”	
09:15 – 09:40	Acad. Efigjeni Kongjika, Research Center “Biotechnology & Genetics”, Academy of Sciences and research team.
“Enhancing <i>Hypericum perforatum</i> biomass for potential metabolite production via shoot and root cultures”	
09:40 – 10:00	Prof. dr. Valbona Sota, Biotechnology Department, Faculty of Natural Sciences, Tirana University; Research Center “Biotechnology & Genetics”, Academy of Sciences.
	Acad. Efigjeni Kongjika, Research Center “Biotechnology & Genetics”, Academy of Sciences.

“Antioxidant properties of resurrection and medicinal plants from the Balkans: Potential for pharmaceutical use”	
10:00 – 10:20	Prof. as. dr. Bekim Gashi, Dr. Erzë Çoçaj, Dr. Fitim Kastrati, Biology Department, Faculty of Mathematics and Natural Sciences, Pristina University, Kosovo.
	Acad. Efigjeni Kongjika, Research Center “Biotechnology & Genetics”, Academy of Sciences.
	Prof. dr. Valbona Sota, Biotechnology Department, Faculty of Natural Sciences, Tirana University; Research Center “Biotechnology & Genetics”, Academy of Sciences.
	Dr. Mirsade Osmani, Faculty of Food Technology, University “Isa Boletini”, Mitrovica, Kosovo
	Prof. dr. Aurel Nuro, Prof. as. dr. Bledar Myrtaj, Chemistry Department, Faculty of Natural Sciences, Tirana University.
	Dr. Liridon Buqaj, Faculty of Environmental and Life Sciences, University “Ukshin Hoti”, Prizren, Kosovo
“A comparison of the chemical profiles of <i>Hypericum perforatum</i> between the hydrodistillation (HD) method, Head space (HS) and HS-SPME (Solid Phase Microextraction)”	
10:20 – 10:40	Prof. dr. Aurel Nuro, Prof. as. dr. Bledar Myrtaj*, Chemistry Department, Faculty of Natural Sciences, Tirana University.
	Acad. Efigjeni Kongjika, Research Center “Biotechnology & Genetics”, Academy of Sciences.
	Prof. dr. Valbona Sota, Biotechnology Department, Faculty of Natural Sciences, Tirana University; Research Center “Biotechnology & Genetics”, Academy of Sciences.
	Prof. as. dr. Bekim Gashi, Biology Department, Faculty of Mathematics and Natural Sciences, Pristina University, Kosovo.
	Dr. Ajola Mesiti, Research Center of Flora and Fauna, Faculty of Natural Sciences, Tirana University.
“A preliminary study for the chemical profile of <i>Ramonda serbica</i> populations from Albania and Kosovo areas”	
10:40 – 11:00	Prof. dr. Aurel Nuro*, Prof. as. dr. Bledar Myrtaj, Chemistry Department, Faculty of Natural Sciences, Tirana University.
	Acad. Efigjeni Kongjika, Research Center “Biotechnology & Genetics”, Academy of Sciences.

	Prof. dr. Valbona Sota, Biotechnology Department, Faculty of Natural Sciences, Tirana University; Research Center “Biotechnology & Genetics”, Academy of Sciences.
	Prof. as. dr. Bekim Gashi, Biology Department, Faculty of Mathematics and Natural Sciences, Pristina University, Kosovo.
	Dr. Ajola Mesiti, Research Center of Flora and Fauna, Faculty of Natural Sciences, Tirana University.
“Ecology and habitat assessment of species with conservation status: <i>Ramonda serbica</i>, <i>Origanum vulgare</i> and <i>Hypericum perforatum</i>”	
11:00 – 11:20	Dr. Ajola Mesiti, Dr. Ermelinda Mahmutaj, Prof. dr. Petrit Hoda, Research Center of Flora and Fauna, Faculty of Natural Sciences, Tirana University
11:20 – 11:40	Coffee Break
Sesioni II	
11:40 – 13:20	Presentation of the scientific experiences of Balkan researchers from well-known institutions in Greece, Bulgaria, North Macedonia, Kosovo, who work with medicinal aromatic species of value for the pharmaceutical, food, cosmetic industries. and their results for the joint project:
“<i>Haberlea rhodopensis</i>, as a model system for surviving desiccation.”	
11:40 – 12:00	Prof. dr. Katya Georgieva, Prof. ass. Dr. Gergana Mihailova, Prof. dr. Liliana Gigova, Institute of Plant Physiology and Genetics, Bulgarian Academy of Sciences, Sofia, Bulgaria
	Prof. ass. Dr. Éva Sárvári, Prof. ass. Dr. Áron Keresztes, Prof. ass. Dr. Ádám Solti, Institute of Biology, ELTE Eötvös Loránd University, Budapest, Hungary.
	Dr. Francesca Rapparini – Senior Researcher at the Bioeconomy Institute, Department of Bio-Agrifood Science, National Research Council, Bologna, Italy
“Comparative analyses of phenolic compounds and naphthodianthrone in <i>Hypericum perforatum</i> L. plants collected in North Macedonia, Albania, and Kosovo”	
12:00 – 12:20	Prof. dr. Sonja Gadzovska Simic, Dr. Elizabeta Markovska, Prof. dr. Oliver Tusevski, Institute of Biology, Faculty of Natural Sciences and Mathematics, Ss. Cyril and Methodius University, Skopje, North Macedonia
	Acad. Efigjeni Kongjika, Research Center “Biotechnology & Genetics”, Academy of Sciences.
	Prof. dr. Valbona Sota, Biotechnology Department, Faculty of Natural Sciences, Tirana University; Research Center “Biotechnology & Genetics”, Academy of Sciences.

	Prof. as. dr. Bekim Gashi, Biology Department, Faculty of Mathematics and Natural Sciences, Pristina University, Kosovo.
	Prof. dr. Aurel Nuro, Prof. as. dr. Bledar Myrtaj, Chemistry Department, Faculty of Natural Sciences, Tirana University
	Dr. Ajola Mesiti, Research Center of Flora and Fauna, Faculty of Natural Sciences, Tirana University
“In vitro and in silico insights on the biological activities and phenolic compounds composition in <i>Hypericum perforatum</i> L. hairy roots upon photoperiod exposition”	
12:20 – 12:40	Prof. dr. Oliver Tusevski, MSc. Marija Todorovska, , Prof. dr. Sonja Gadzovska Simic, Institute of Biology, Faculty of Natural Sciences and Mathematics, Ss. Cyril and Methodius University, Skopje, North Macedonia.
	Prof. dr. Jasmina Petreska Stanoeva, Institute of Chemistry, Faculty of Natural Sciences and Mathematics, Ss. Cyril and Methodius University, Skopje, North Macedonia
"Conserving Biodiversity for Bio-Innovation: The Role of the Balkan Botanic Garden Kroussia in Safeguarding Medicinal and Aromatic Plants for Sustainable Use"	
12:40 – 13:00	Dr. Eleni Maloupa - Senior Researcher, Dr. Katerina Grigoriadou - Senior Researcher, Dr. Katerina Papanastasi - Senior Researcher, Balkan Botanic Garden Kroussia, IPBGR- ELGO DIMITRA, Themi, Thessaloniki, Greece
“Exploring Secondary Metabolite Production through Adventitious Root Cultures in Bioreactors”.	
13:00 – 13:20	Dr. Katerina Grigoriadou - Senior Researcher, Dr. Eirini Sarrou – Senior Researcher, Dr. Virginia Sarropoulou - Senior Researcher, PhD Maria Androudi and Dr. Eleni Maloupa - Senior Researcher, Hellenic Agricultural Organization – DIMITRA, Institute of Plant Breeding and Genetic Resources, Laboratory of Protection and Evaluation of Native and Floricultural Species, Balkan Botanic Garden of Kroussia, Greece
13:20 – 14:00	Catering
SESIONI III	
14:00 – 15:00	Presenting some actual results of producing processed products instead of raw ones as an opportunity to sustainably utilize the environment and further strengthen the added monetary value of aromatic medicinal species from new researcher generation.
“In Vitro Adventitious Root Cultures of Endemic Balkan Lamiaceae and Iridaceae Species as Sources for Secondary Metabolite Production”	
14:00 – 14:20	PhD Maria Androudi, Dr. Katerina Grigoriadou - Senior Researcher, Dr. Virginia Sarropoulou - Senior Researcher and Dr. Eleni Maloupa - Senior Researcher, Hellenic Agricultural Organization – DIMITRA, Institute of

	Plant Breeding and Genetic Resources, Laboratory of Protection and Evaluation of Native and Floricultural Species, Balkan Botanic Garden of Kroussia, Greece
Formulation and characterization of hydrogels with White Oregano essential oil encapsulated in cyclodextrin.	
14:20 – 14:40	Msc. Tea Mastori, Prof. dr. Vilma Papajani, Prof. as. dr. Mirela Miraçi, Prof. as. dr. Ela Hoti, Prof. as. dr. Entela Haloçi, Pharmacy Department, Faculty of Medicine, University of Medicine, Tirana.
	Msc. Ina Xhangoli, Prof. as. dr. Enkelejda Goci, Pharmacy Department, Faculty of Medicine, University of Medicine, Tirana; Pharmacy Department, “Aldent” University, Tirana
	Msc. Desantila Pervana, Fufarma Sh.A., Tirana, Albania
Development and optimization of hydrogels of <i>Thymus longicaulis</i> essential oil complexed in cyclodextrin.	
14:40 – 15:00	Msc. Ina Xhangoli, Pharmacy Department, Faculty of Medicine, University of Medicine, Tirana; Pharmacy Department, “Aldent” University, Tirana
	Prof. as. dr. Entela Haloçi, Prof. As. Dr. Mirela Miraçi, Msc. Tea Mastori, Pro. As. Dr. Ela Hoti, Prof. Vilma Papajani, Pharmacy Department, Faculty of Medicine, University of Medicine, Tirana
	Prof. as. dr. Enkelejda Goci, Pharmacy Department, Faculty of Medicine, University of Medicine, Tirana; Pharmacy Department, “Aldent” University, Tirana
	Msc. Desantila Pervana, Fufarma Sh.A., Tirana, Albania
15:00 – 15:30	DISCUSSION
15:30 – 16:00	CONCLUSIONS and FORUM CLOSING

Chair of the Scientific and Organizational Committee

Acad. Prof. Dr. Efigjeni Kongjika