

### Faculty of Agriculture University of Banja Luka



### In cooperation with



Biotechnical Faculty University of Ljubljana



Biotechnical Faculty University of Montenegro



Faculty of Agriculture University of Zagreb



Faculty of Horticulture and Business in Rural Development University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca



Mediterranean Agronomic Institute of Bari



Institute of Genetic Resources University of Banja Luka



Regional Rural Development Standing Working Group in South Eastern Europe



Faculty of Agriculture University of Novi Sad



Faculty of AgriSciences Mendel University in Brno



Faculty of Agricultural Sciences and Food Ss. Cyril and Methodius University of Skopje



Faculty of Agrobiotechnical Sciences Josip Juraj Strossmayer University of Osijek



Agricultural Institute of the Republic of Srpska



Veterinary Institute of the Republic of Srpska "Dr Vaso Butozan"



Research Network on Resources Economics and Bioeconomy Association



Chamber of Agricultural Engineers of the Republic of Srpska

Organize



# XIII INTERNATIONAL SYMPOSIUM ON AGRICULTURAL SCIENCES AgroReS 2024

and

### XXIX CONFERENCE OF AGRICULTURAL ENGINEERS OF THE REPUBLIC OF SRPSKA



#### XIII INTERNATIONAL SYMPOSIUM ON AGRICULTURAL SCIENCES



27-30 May 2024
Trebinje, Bosnia and Herzegovina https://agrores.agro.unibl.org/

Dear colleagues, it is our pleasure to invite you to the XIII International Symposium on Agricultural Sciences AgroReS 2024, which will be held from May 27 to 30, 2024 in the city of Trebinje, the Republic of Srpska, Bosnia and Herzegovina. The Faculty of Agriculture of the University of Banja Luka, in cooperation with 15 institutions and organizations from nine countries, organizes AgroReS 2024 to gather researchers and experts from the field of agricultural and related sciences. Symposium provides an opportunity for researcher and experts to present their work in form of oral or poster presentations and also, for institution, companies and other business entities to present their services and products. AgroReS 2024 is an event that will contribute to the promotion of new scientific knowledge, as an important prerequisite for improving food production.

## **ORGANISING COMMITTEE**

Prof. Dr Boris Pašalić, *Chairman* || Doc. Dr Marinko Vekić, *Secretary of the Symposium* || Prof. Dr Siniša Mitrić, *Secretary of the Conference* || Prof. Dr Željko Vaško || Prof. Dr Nebojša Savić || Prof. Dr Svjetlana Zeljković || Doc. Dr Biljana Kelečević || Dr Borislav Petković || MSc Nemanja Jalić || MSc Petar Nikolić || Danijela Kuruzović ||

### **HONORARY COMMITTEES**

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Marina Antić, Bosnia and Herzegovina || Adrian Asănică, Romania || Hrabrin Bachev, Bulgaria || Klime Beleski, North Macedonia || Draženko Budimir, Bosnia and Herzegovina || Klaudija Carović Stanko, Croatia || Marija Cerjak, Croatia || Miljan Cvetković, Bosnia and Herzegovina || Jelena Čukanović, Serbia || Duška Delić, Bosnia and Herzegovina || Ljiljana Drinić, Bosnia and Herzegovina || Arkadiusz Dyjakon, Poland || Emir Džomba, Bosnia and Herzegovina || Ivica Đalović, Serbia || Gordana Đurić, Bosnia and Herzegovina || Zorica Đurić, Australia || Hamid El Bilali, Italy || Sezai Ercişli, Turkey || Daniel Falta, Czech Republic || Ranko Gantner, Croatia || Dragan Glamočić, Serbia || Matjaž Glavan, Slovenia || Snježana Hrnčić, Montenegro || Attila Jámbor, Hungary || Ivana Janeska Stamenkovska, North Macedonia || Andrei Jean-Vasile, Romania || Stoja Jotanović, Bosnia and Herzegovina || Tatjana Jovanović Cvetković, Bosnia and Herzegovina || Romina Kabranova, North Macedonia || Ilija Komljenović, Bosnia and Herzegovina || Danijela Kondić, Bosnia and Herzegovina || Biljana Korunoska, North Macedonia || Zlatan Kovačević, Bosnia and Herzegovina || Kristina Kljak, Croatia || Željko Lakić, Bosnia and Herzegovina || Ivana Majić, Croatia || Ana Marjanović Jeromela, Serbia || Mile Markoski, North Macedonia || Mihajlo Marković, Bosnia and Herzegovina || Dimitrije Marković, Bosnia and Herzegovina || Milan Marković, Montenegro || Zoran Marković, Serbia || Aleksandra Martinovska Stojcheska, North Macedonia | Stanislav Minta, Poland | Goran Mirjanić, Bosnia and Herzegovina | Siniša Mitrić, Bosnia and Herzegovina || Đorđe Moravčević, Serbia || Vesna Mrdalj, Bosnia and Herzegovina || Iulia Muresan, Romania || Drago Nedić, Bosnia and Herzegovina || Nebojša Novković, Serbia || Aleksandar Ostojić, Bosnia and Herzegovina || Vladan Pešić, Serbia || Novo Pržulj, Bosnia and Herzegovina || Vojo Radić, Bosnia and Herzegovina || Ljiljana Radivojević, Serbia || Biljana Rogić, Bosnia and Herzegovina || Gordana Rokvić Knežić, Bosnia and Herzegovina || Nebojša Savić, Bosnia and Herzegovina || Dorđe Savić, Bosnia and Herzegovina || Bojan Srđević, Serbia || Zorica Srđević, Serbia || Dragana Šunjka, Serbia || Mladen Todorović, Italy || Vida Todorović, Bosnia and Herzegovina || Snežana Trivunović, Serbia || Vojislav Trkulja, Bosnia and Herzegovina || Jan Turan, Serbia II Željko Vaško, Bosnia and Herzegovina II Božo Važić, Bosnia and Herzegovina II Nery Zapata, Spain || Ivo Zdrahal, Czech Republic || Ervin Zečević, Bosnia and Herzegovina || Svjetlana Zeljković, Bosnia and Herzegovina || Edvin Zhllima, Albania || Mirjana Žabić, Bosnia and Herzegovina ||



The scientific program of the Symposium AgroReS 2024 will include the following thematic fields:

Crop Sciences	Cereals, fodder plants, industrial plants, plant breeding and seed production, plant protection, organic production, genetic resources, land and water management, etc.
Horticulture	fruit growing, viticulture, enology, vegetable growing, medical and aromatic plants, decorative plants, plant breeding and nursery production, plant protection, organic production, genetic resources, etc.
Animal Sciences	livestock breeding, aquaculture, apiculture, animal nutrition, animal welfare, hunting, veterinary sciences, organic production, genetic resources, etc.
Agricultural Economics and Rural Development	agricultural policy, agricultural economics, marketing, agromanagement, agricultural financing and insurance, rural and regional development, food self-sufficiency, climate change adaptation, etc.



The official language of the Symposium is English.

# SUBMISSION AND PUBLICATION OF ABSTRACTS OR PAPERS

Authors are invited to submit abstracts or full papers using the online submission system available on the Symposium official website: https://agrores.agro.unibl.org/.

Authors are kindly requested to follow the submission guidelines and writing instructions available on the Symposium website.

All accepted abstracts will be published in the Book of Abstracts of AgroReS 2024 no later than May 20, 2024. The Book of Abstracts will be available in electronic version on the official Symposium website.

Full papers, depending on the author's decision, may be submitted for publication in the Proceedings of AgroReS 2024 or the Agro-knowledge Journal.

Proceedings of AgroReS 2024 will be published in electronic form and will be available on the Symposium website no later than May 20, 2024. Papers submitted for publication in the Proceedings will undergo a double-blind peer review process. All papers in the Proceedings will be assigned a DOI number.

Agro-knowledge Journal (Agroznanje) is a peer-reviewed and open-access scientific journal published by the Faculty of Agriculture, University of Banja Luka. It publishes papers in all areas of agriculture and related sciences. All submitted papers will undergo a double-blind peer review process. Accepted papers will be published in subsequent regular issues of the journal. More information is available on the journal's official website: <a href="https://agroznanje.agro.unibl.org/">https://agroznanje.agro.unibl.org/</a>.

# **REGISTRATION FEE**

Each Symposium participant is obliged to pay one of the registration fees:

Participants	100€	(200 BAM)
Students	40 €	(80 BAM)
Accompanying persons	40 €	(80 BAM)

The registration fee includes admission to plenary session, oral and poster scientific sessions, welcome cocktails, Symposium materials, refreshments during breaks, cultural evening, gala dinner and excursion.

The registration fee can be paid in advance through bank transfer or at the registration desk in cash only. Instructions for payment of the registration fee via bank transfer are available on the Symposium website: https://agrores.agro.unibl.org/wp-content/uploads/2023/01/Instrukcije-za-uplatu-ENG-2023.pdf.

### **AWARDS FOR STUDENT PRESENTATIONS**

Symposium provides opportunity for BSc, MSc or PhD students to present their scientific work. With the aim to stimulate young researchers, within each section of AgroReS 2024, the best oral and poster presentation given by students will be awarded.



15 January 2024	Second Announcement
1 March 2024	Deadline for abstract or paper submission
15 April 2024	Deadline for notification of abstract or paper acceptance
15 May 2024	Deadline for sponsorship arrangements
20 May 2024	Symposium program, Book of Abstracts, Proceedings



27 May 2024	12.00 Registration
	16.00 Opening ceremony
	17.00 Plenary session
28 May 2024	Registration
	Sessions: Horticulture, Agricultural Economics and Rural Development
	Round table
	Cultural evening
29 May 2024	Registration
	Sessions: Horticulture, Crop Science, Animal Science
	XXIX Conference of Agricultural Engineers of the Republic of Srpska
	Gala dinner
30 May 2024	Excursion

### **VENUE AND ACCOMMODATION**

The symposium will be held at the Hotel Leotar in the city of Trebinje: http://www.hotelleotar.com/en/hotel/. Hotel Leotar is located in the center of the city offering a beautiful view of the old town.

You can also find accommodation in other hotels/motels or apartments for rent in the city of Trebinje. Information about accommodation can be found on the website of the Tourist organization of the city of Trebinje: www.gotrebinje.com.



Ministry of Scientific and Technological Development and Higher Education of the Republic of Srpska Ministry of Agriculture, Forestry and Water Management of the Republic of Srpska



### PLENARY SPEAKERS



Patrizia Pugliese CIHEAM Mediterranean Agronomic Institute of Bari, Italy

Organic Agriculture for Territorial Development: The Experience of Organic Districts

Patrizia Pugliese, PhD is agro-economist, senior researcher and development officer at CIHEAM Bari, PhD in Policies for Sustainable development, MSc in Rural resources and countryside management. She has twenty-five-year experience in research, training and development cooperation work on rural development, sustainable and organic agriculture in EU and developing countries, with deeper expertise in the Mediterranean region and focus on rural economy diversification, sustainable and inclusive value chain development, place-based and eco-region approaches to territorial development. Current fields of interest and work also include rural women's empowerment and meaningful participation to agri-food value chains and rural economy, agroecological transitions, organic districts and sustainable organic food systems. Author of various scientific contributions, with participation to different EU-funded research projects. Member of the CIHEAM Bari Secretariat of the Mediterranean Organic Agriculture Network. Focal point for CIHEAM Bari Institute of CIHEAM corporate Working Group on Gender.



Daniel Falta Mendel University in Brno, Faculty of AgriSciences, Czech Republic

#### Agriculture 4.0 in Livestock Production Systems

Daniel Falta, PhD is an associate professor of Animal Husbandry at the Faculty of AgriSciences, Mendel university in Brno, Czech Republic. Since 2005, he has been working at the Department of Animal Science as researcher, junior and later as a senior lecturer. Since 2014, he has been holding the faculty position of Vice-dean for External Affairs and Internationalization. He is a specialist in cattle breeding systems, especially dairy cattle production systems, and the associated improvement of milk production efficiency. Dairy production is the most prominent livestock industry in the Czech Republic (ICAR - International Committee of Animal Recording). He also deals extensively with animal welfare issues, precision livestock farming (PLF) and is a pioneer of biological control systems against flying insect infestations in dairies in Central and Eastern Europe.



Adrian Asănică

University of Agronomic Sciences and Veterinary Medicine of Bucharest, Faculty of Horticulture, Romania

### Challenges and Opportunities for Production System in Berry Crops

Adrian Asanica, PhD is a full professor and Dean of the Faculty of Horticulture in Bucharest since 2020 and member of the Academy of Agricultural and Forestry Sciences since 2016. From 2012 to 2020 he acted as Vice-dean for research, managing the International conference "Agriculture for Life, Life for Agriculture" (section Horticulture) and the ISI indexed journal Scientific Papers Series B. Horticulture as General Editor. In numbers, he is the author and co-author of 25 books, publishing more than 170 scientific papers (58 ISI indexed), he is author of 7 plant varieties and participated in 28 international research projects (responsible for 18 of them) and 30 national projects (director at 7 projects). His area of expertise is related to fruit growing, pomology and breeding. He is experienced in vertical training systems for berries, developing single or multicordon shapes for blueberry, chokeberry, gooseberry, currants in open field and as protected culture in micro(tunnels), contribute in perfecting the blueberry, raspberry, blackberry production techniques in pots and varieties evaluation in pre and post-harvest stage.



Website: https://agrores.agro.unibl.org/en/ E-mail: symposium@agro.unibl.org