34TH INTERNATIONAL SCIENTIFIC-EXPERT CONFERENCE OF AGRICULTURE AND FOOD INDUSTRY

organized by

Faculty of Agriculture and Food Sciences, University of Sarajevo, Bosnia and Herzegovina,
Faculty of Agriculture, Ege University, Republic of Turkey,

Organizing Committee

Prof. dr. Nermina Đulančić, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;

Prof. dr. Aleksandra Nikolić, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;

Prof. dr. Pakeza Drkenda, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;

Prof. dr. Nermin Rakita, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;

Prof. dr. Lejla Biber, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;

Prof. dr. Jasmin Grahić, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;

Doc. dr. Emina Sijahović, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;

Doc. dr. Arnela Okić, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;

Doc. dr. Amila Oras, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;

Doc. dr. Sabrija Čadro, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;

Doc. dr. Alen Mujčinović, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;

Doc. dr. Merima Makaš, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;

Amina Stambolić, MA, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;

Berina Imamović, MA, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;

Cerima Zahirović Sinanović, MA, Faculty of Agriculture and Food Science, University of

Sarajevo, BiH;

Omerović Zuhdija, MA, Faculty of Agriculture and Food Science, University of Sarajevo, BiH; Salihović Adel, MA, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;

Scientific Committee

- Prof. dr. Muhamed Brka, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;
- Prof. dr. Samir Muhamedagić, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;
- Prof. dr. Vedad Falan, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;
- Prof. dr. Enver Karahmet, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;
- Prof. dr. Mirha Đikić, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;
- Prof. dr. Ervin Zečević, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;
- Prof. dr. Admir Dokso, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;
- Prof. dr. Enisa Omanović-Mikličanin, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;
- Prof. dr. Zilha Ašimović, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;
- Prof. dr. Nermina Spaho, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;
- Prof. dr. Asima Akagić, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;
- Prof. dr. Jasna Avdić, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;
- Prof. dr. Selma Čorbo, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;
- Prof. dr. Amir Ganić, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;
- Prof. dr. Senada Čengić-Džomba, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;
- Prof. dr. Hamdija Čivić, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;
- Prof. dr. Alma Rustempašić, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;
- Prof. dr. Irzada Taljić, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;
- Prof. dr. Teofil Gavrić, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;
- Prof. dr. Mirza Tvica, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;
- Prof. dr. Mersija Delić, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;
- Prof. dr. Muamer Bezdrob, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;
- Prof. dr. Melisa Ljuša, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;
- Doc. dr. Dženan Hadžić, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;
- Doc. dr. Munevera Begić, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;

- Doc. dr. Lejla Čengić, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;
- Doc. dr. Alejna Krilić, Faculty of Agriculture and Food Science, University of Sarajevo, BiH;
- Prof. dr. Semira Sefo, Faculty of Agromediterranean, University "Džemal Bijedić" in Mostar, BiH;
- Prof. dr. Hamid Čustović, Academy of Sciences and Arts, University of Sarajevo, BiH;
- Prof. dr. Mirza Ponjavić, International BURCH University in Sarajevo, BiH;
- Prof. dr. Predrag Vukosavljević, Faculty of Agriculture, University of Belgrade, Serbia;
- Prof. dr. Zorica Ranković Vasić, Faculty of Agriculture, University of Belgrade, Serbia;
- Prof. dr. Biljana Rabrenović, Faculty of Agriculture, University of Belgrade, Serbia;
- Prof. dr. Dragan Stanojević, Faculty of Agriculture, University of Belgrade, Serbia;
- Prof. dr. Darko Vončina, Faculty of Agriculture, University of Zagreb, Croatia;
- Prof. dr. Jasna Mrvčić, Faculty of Agriculture, University of Zagreb, Croatia;
- Prof. dr. Monika Marković, Faculty of Agrobiotechnical Sciences, University of Osijek, Croatia;
- Prof. dr. Marina Krvavica, University of Applied Sciences "Marko Marulić" of Knin, Croatia;
- Prof. dr Marija Cerjak, University of Zagreb, Faculty of Agriculture, Department of Marketing and Innovations in Agribusiness, Croatia
- Prof. dr. Štefan Bojnec, Faculty of Management, University of Primorska, Slovenia;
- Renata Erhatić, Križevci University of Applied Sciences, Croatia;
- Prof. dr. Mirko Knežević, Biotechnical Faculty, University of Montenegro, Podgorica, Montenegro;
- Prof. dr. Metka Hudina, Biotehnical faculty, University of Ljubljana, Slovenia;
- Prof. dr. Jaka Žganjar, Biotechnical Faculty, University of Ljubljana, Slovenia;
- Prof. dr. Rozalija Cvejić. Biotechnical Faculty, University of Ljubljana, Slovenia;
- Prof. dr. Aleksandra Martinovska Stojčevska, Faculty of Agricultural Science and Food, SS.
- Cyril and Methodius University in Skoplje, North Macedonia;
- Prof. dr. Ana Kotevska, Faculty of Agricultural Science and Food, SS. Cyril and Methodius University in Skoplje, North Macedonia;
- Prof. dr. Emelj Tuna, Faculty of Agricultural Science and Food, SS. Cyril and Methodius University in Skoplje, North Macedonia;
- Prof. dr. Ivana Janeska Stamenovska, Faculty of Agricultural Science and Food, SS. Cyril and Methodius University in Skoplje, North Macedonia;

Prof. dr. Marina Nacka, Faculty of Agricultural Science and Food, SS. Cyril and Methodius University in Skoplje, North Macedonia;

Prof. dr. Ana Simonovska, Faculty of Agricultural Science and Food, SS. Cyril and Methodius University in Skoplje, North Macedonia;

Prof. dr. Thierry Wetzel, Deutsches Landwirtschafts Institut Rheinlandpfalz, Germany;

Prof. dr Norbert Reinsch, Research Institute for Farm Animal Biology, Germany, Institute of Genetics Biometry, Livestock Genetics and Breeding Unit, Germany

Prof. dr. Teresa Afonso de Paço, Instituto Superior de Agronomia, LEAF, TERRA, Universidade de Lisboa, Portugal;

Prof. dr. Enrique Playán, The Estación Experimental de Aula Dei (EEAD) is a Research Institute of the Consejo Superior de Investigaciones Científicas (CSIC). Zaragoza, Spain;

Prof. dr. Hamid El Bilali, CIHEAM, Bari, Italy;

Prof. dr. Jasna Đinović Stojanović, Institute for Hygiene and Meat Technology, Belgrade, Serbia; Dr. Saša Janković, Institute for Hygiene and Meat Technology, Belgrade, Serbia

Prof. dr Sead Šabanadžović, University of Mississippi, Department of Biochemistry, Molecular Biology, Entomology and Plant Pathology, United States of America

Prof. dr Đenita Hadžiabdić-Guerry University of Tennessee, Institute of Agriculture, Department of Entomology and Plant Pathology, United States of America