



INSTITUTE OF AGRICULTURAL ECONOMICS, BELGRADE, SERBIA

SUSTAINABLE AGRICULTURE AND RURAL DEVELOPMENT IV

Book of Abstracts



Belgrade, December 2023

INSTITUTE OF AGRICULTURAL ECONOMICS BELGRADE

Volgina Street no. 15, 11060 Belgrade, Serbia

Phone/Fax: +381 (0) 11 69 72 858

Phone: +381 (0) 11 69 72 848



E-mail:

office@iep.bg.ac.rs



Internet address:

www.iep.bg.ac.rs

International Scientific Conference

SUSTAINABLE AGRICULTURE AND RURAL DEVELOPMENT IV

BOOK OF ABSTRACTS

December, 2023

Belgrade, Serbia

Publisher:

Institute of Agricultural Economics, Belgrade, Serbia

Editors:

Jonel Subić, Ph.D.

Miroslav Nedeljković, Ph.D.

Marijana Jovanović Todorović, Ph.D.

Jean Vasile Andrei, Ph.D.

Technical arrangement and printing:

SZR NS MALA KNJIGA +

Zetska Street no. 15,

21000 Novi Sad, Republic of Serbia,

Phone: +381 21 64 00 578

Technical preparation and typesetting:

Vladimir Sokolović

Printing: 200

ISBN 978-86-6269-132-3

ISBN (e-book) 978-86-6269-133-0

The publisher is not responsible for the content of the abstracts of scientific papers and opinions published in the Book of Abstracts.

They represent the authors' point of view.

Publication of Book of Abstracts was financially supported by the Ministry of Science, Technological Development and Innovation of the Republic of Serbia.

Organizers

INSTITUTE OF AGRICULTURAL ECONOMICS, BELGRADE - SERBIA

Co-organizers

NATIONAL TEAM FOR THE REVIVAL OF SERBIAN VILLAGES, BELGRADE - SERBIA

CHAMBER OF COMMERCE AND INDUSTRY OF SERBIA, BELGRADE - SERBIA

COUNCIL FOR SMART AGRICULTURE - CHAMBER OF COMMERCE AND INDUSTRY OF BELGRADE, BELGRADE - SERBIA

ACADEMY OF ENGINEERING SCIENCES OF SERBIA, DEPARTMENT OF BIOTECHNOLOGICAL SCIENCES, BELGRADE - SERBIA

FACULTY OF AGRICULTURE, BELGRADE - SERBIA

FACULTY OF AGRICULTURE, NOVI SAD - SERBIA

FACULTY OF AGRICULTURE, KRUŠEVAC - SERBIA

FACULTY OF ECONOMICS, BELGRADE - SERBIA

FACULTY OF ECONOMICS, SUBOTICA - SERBIA

FACULTY OF ECONOMICS, KRAGUJEVAC - SERBIA

FACULTY OF ECONOMICS, KOSOVSKA MITROVICA - SERBIA

FACULTY OF HOTEL MANAGEMENT AND TOURISM, UNIVERSITY OF KRAGUJEVAC, VRNJAČKA BANJA - SERBIA

FACULTY OF APPLIED MANAGEMENT, ECONOMICS AND FINANCE (MEF), BELGRADE - SERBIA

FACULTY OF ECONOMICS AND ENGINEERING MANAGEMENT, UNIVERSITY BUSINESS ACADEMY, NOVI SAD - SERBIA

FACULTY FOR BIOFARMING, MEGATREND UNIVERSITY, BAČKA TOPOLA - SERBIA

FACULTY OF AGRONOMY IN ČAČAK, UNIVERSITY OF KRAGUJEVAC, ČAČAK - SERBIA

EUROPEAN UNIVERSITY, BELGRADE - SERBIA

UNIVERSITY "ALFA BK", BELGRADE - SERBIA

UNIVERSITY "SINGIDUNUM", BELGRADE - SERBIA

UNIVERSITY "UNION - NIKOLA TESLA", BELGRADE - SERBIA

UNIVERSITY "EDUCONS", NOVI SAD - SERBIA

INSTITUTE "MIHAJLO PUPIN", BELGRADE - SERBIA

INSTITUTE OF ECONOMIC SCIENCES, BELGRADE - SERBIA

INSTITUTE FOR SCIENCE APPLICATION IN AGRICULTURE, BELGRADE - SERBIA

INSTITUTE OF FORESTRY, BELGRADE - SERBIA

INSTITUTE OF FIELD AND VEGETABLE CROPS, NOVI SAD - SERBIA

INSTITUTE FOR BIOLOGICAL RESEARCH "SINIŠA STANKOVIĆ", BELGRADE - SERBIA

INSTITUTE FOR PLANT AND ENVIRONMENT PROTECTION, BELGRADE - SERBIA

MAIZE RESEARCH INSTITUTE ZEMUN POLJE, BELGRADE - SERBIA

FRUIT RESEARCH INSTITUTE, ČAČAK - SERBIA

INSTITUTE FOR VEGETABLE CROPS, SMEDEREVSKA PALANKA - SERBIA
INSTITUTE OF INFORMATION TECHNOLOGIES, KRAGUJEVAC - SERBIA
INSTITUTE FOR SOIL SCIENCE, BELGRADE - SERBIA
INSTITUTE FOR FORAGE CROPS, KRUŠEVAC - SERBIA
NOVI SAD BUSINESS SCHOOL, NOVI SAD - SERBIA
ACADEMY OF VOCATIONAL STUDIES IN ŠUMADIJA, ARANĐELOVAC DEPARTMENT,
ARANĐELOVAC - SERBIA
ASSOCIATION OF THE ECONOMIST OF BELGRADE, BELGRADE - SERBIA
DEVELOPMENT ACADEMY OF SERBIAN AGRICULTURE (RAPS), BELGRADE - SERBIA
BALKAN SCIENTIFIC ASSOCIATION OF AGRICULTURAL ECONOMISTS, BELGRADE
- SERBIA
SERBIAN ASSOCIATION OF AGRICULTURAL ECONOMISTS (DAES), BELGRADE -
SERBIA
COOPERATIVE UNION OF SERBIA, BELGRADE - SERBIA
COOPERATIVE UNION OF VOJVODINA, NOVI SAD - SERBIA
AGRICULTURAL CHEMICAL HIGH SCHOOL IN OBRENOVAC, BELGRADE - SERBIA
FACULTY OF AGRO-FOOD AND ENVIRONMENTAL ECONOMICS, BUCHAERST
UNIVERSITY OF ECONOMIC STUDIES, BUCHAREST - ROMANIA
CENTER FOR STUDY AND RESEARCH FOR AGROFORESTRY BIODIVERSITY,
BUCHAREST - ROMANIA
NATIONAL INSTITUTE FOR ECONOMIC RESEARCH “COSTIN C. KIRITESCU”,
ROMANIAN ACADEMY, BUCHAREST - ROMANIA
UNIVERSITY OF AGRONOMIC SCIENCES AND VETERINARY MEDICINE OF
BUCHAREST (USAMV), BUCHAREST - ROMANIA
RESEARCH CENTRE FOR SUSTAINABLE RURAL DEVELOPMENT OF ROMANIA,
ROMANIAN ACADEMY, TIMISOARA - ROMANIA
FACULTY OF MANAGEMENT AND RURAL TOURISM, UNIVERSITY OF LIFE SCIENCES
“KING MIHAI I”, TIMISOARA - ROMANIA
UNIVERSITY OF BJELJINA, BJELJINA - BOSNIA AND HERZEGOVINA
FEDERAL INSTITUTE OF AGRICULTURAL ECONOMICS, RURAL AND MOUNTAIN
RESEARCH, VIENNA - AUSTRIA
INSTITUTE OF AGRICULTURAL ECONOMICS, SOFIA - BULGARIA
NATIONAL INSTITUTE FOR ECONOMIC RESEARCH, CHISINAU - MOLDOVA
INSTITUTE OF AGRICULTURAL ECONOMICS, BUCHAREST - ROMANIA
THE RESEARCH INSTITUTE FOR AGRICULTURE ECONOMY AND RURAL
DEVELOPMENT (ICEADR), BUCHAREST - ROMANIA
BALKAN ENVIRONMENTAL ASSOCIATION (B.EN.A.), THESSALONIKI - GREECE
RESEARCH NETWORK ON RESOURCES ECONOMICS AND BIOECONOMY (RebResNet),
PLOIESTI – ROMANIA
DIGITAL ECONOMY RESEARCH CENTER, CHONGQING INSTITUTE OF HIT,
CHONGQING - CHINA
STAVROPOL STATE AGRARIAN UNIVERSITY, STAVROPOL – RUSSIAN FEDERATION

HONORARY BOARD

- *Jelena Begović*, Ph.D., Minister of Science, Technological Development and Innovation of the Republic of Serbia.
- *Jelena Tanasković*, Minister of Agriculture, Forestry and Water Management of the Republic of Serbia.
- *Milan Krkobabić*, Minister of Rural Welfare, Co-president of the National Team for the Survival of Serbian Villages.
- Academician *Dragan Škorić*, Ph.D., President of the Academic Committee for the Village of the Serbian Academy of Sciences and Arts (SANU), Co-president of the National Team for the Revival of Serbian Villages, Belgrade - Serbia.
- Academician *Ion Paun Otiman*, Ph.D., Honorary President of the Romanian Academy, Timisoara Branch, Timisoara - Romania.
- Prof. *Nicolae Istudor*, Ph.D., Rector of the Bucharest University of Economic Studies, Bucharest - Romania.
- Prof. *Alexandru Stratan*, Ph.D., Rector, National Institute for Economic Research, Chisinau - Moldova.
- Prof. *Vladimir Simikov*, Ph.D., Rector of the Stavropol State Agrarian University, Stavropol - Russian Federation.
- *Marko Čadež*, President of the Chamber of Commerce and Industry of Serbia, Belgrade - Serbia.
- Prof. *Miroslav Trajanović*, Ph.D., State Secretary in the Ministry of Science, Technological Development and Innovation of Republic Serbia.
- *Vukašin Grozdić*, Ph.Ds., State Secretary in the Ministry of Science, Technological Development and Innovation of Republic Serbia.
- *Marina Soković*, Ph.D., Assistant Minister in the Ministry of Science, Technological Development and Innovation of the Republic of Serbia.
- *Vladimir Radovanović*, M.Sc., Assistant Minister in the Ministry of Science, Technological Development and Innovation of the Republic of Serbia.
- *Vedrana Ilić*, Assistant Minister in the Ministry of Agriculture, Forestry and Water Management of the Republic of Serbia.
- *Aleksandar Bogičević*, Assistant Minister in the Ministry of Agriculture, Forestry and Water Management of the Republic of Serbia.
- Prof. *Zorica Vasiljević*, Ph.D., President of Steering committee of IAE, Belgrade - Serbia.
- Prof. *Aleksandar Rodić*, Ph.D., Member of Steering committee of IAE and Head of Robotics Department, Institute „Mihailo Pupin“, Belgrade - Serbia.
- Prof. *Zora Dajić Stevanović*, Ph.D., Member of Steering committee of IAE and Professor at the Faculty of Agriculture, Belgrade – Serbia.
- *Maja Ignjatov*, Ph.D., Member of Steering committee of IAE and Researcher at the Institute of Field and Vegetable Crops, Novi Sad - Serbia.
- Prof. *Snežana Janković*, Ph.D., Council for Smart Agriculture - Chamber of Commerce and Industry of Belgrade, Belgrade - Serbia.
- Prof. *Mirjana Šijaić Nikolić*, Ph.D., Head of Department of Biotechnological Sciences, Academy of Engineering Sciences of Serbia, Belgrade - Serbia.
- Prof. *Tomo Milošević*, Ph.D., Dean of Faculty of Agronomy, Čačak - Serbia.

- Prof. *Snežana Bogosavljević Bošković*, Ph.D., Faculty of Agronomy, Čačak - Serbia.
- Prof. *Nedeljko Tica*, Ph.D., Dean of the Faculty of Agriculture, Novi Sad - Serbia.
- Prof. *Dušan Živković*, Ph.D., Dean of the Faculty of Agriculture, Belgrade - Serbia.
- Prof. *Ivan Filipović*, Ph.D., Dean of the Faculty of Agriculture, Kruševac - Serbia.
- Prof. *Žaklina Stojanović*, Ph.D., Dean of the Faculty of Economics, Belgrade - Serbia.
- Prof. *Milena Jakšić*, Ph.D., Dean of the Faculty of Economics, Kragujevac - Serbia.
- Prof. *Nebojša Gvozdrenović*, Ph.D., Dean of the Faculty of Economics, Subotica - Serbia.
- Prof. *Drago Cvijanović*, Ph.D., Dean of the Faculty of Hotel Management and Tourism, University of Kragujevac, Vrnjačka Banja - Serbia.
- Prof. *Aleksandar Andrejević*, Ph.D., Rector of the University „EDUCONS“, Novi Sad - Serbia.
- Prof. *Gorica Cvijanović*, Ph.D., Dean of the Faculty for Bio-farming, Megatrend University, Bačka Topola - Serbia.
- Prof. *Tatjana Brankov*, Ph.D., President of Serbian Association of Agricultural Economists, Belgrade - Serbia.
- Prof. *Dragan Soleša*, Ph.D., Rector of the University Business Academy, Novi Sad - Serbia.
- Prof. *Maja Ćuk*, Ph.D., Rector of the University ”Alfa BK”, Belgrade - Serbia.
- Prof. *Goranka Knežević*, Ph.D., Rector of the University “Singidunum”, Belgrade - Serbia.
- Prof. *Nebojša Zakić*, Ph.D., Rector of the University „Union - Nikola Tesla“, Belgrade - Serbia.
- Prof. *Tomislav Brzaković*, Ph.D., Dean of the Faculty of Applied Management, Economics and Finance, Belgrade - Serbia.
- Prof. *Marko Carić*, Ph.D., Dean, Faculty of Economics and Engineering Management, University Business Academy, Novi Sad - Serbia.
- Prof. *Milija Zečević*, Ph.D., Rector, European University, Belgrade - Serbia.
- Prof. *Nikola Milićević*, Ph.D., Faculty of Economics, Subotica - Serbia.
- Prof. *Nikola Tomašević*, Ph.D., Director, Institute Mihajlo Pupin, Belgrade - Serbia.
- *Jovan Zubović*, Ph.D., Director, Institute of Economic Sciences, Belgrade - Serbia.
- *Rade Jovanović*, Ph.D., Director, Institute for Appliance of Science in Agriculture, Belgrade - Serbia.
- *Miodrag Tolimir*, Ph.D., Director, Maize Institute “Zemun Polje”, Belgrade - Serbia.
- *Mirjana Mihailović*, Ph.D., Director of Institute for Biological Research “Siniša Stanković”, Belgrade - Serbia
- *Ljubinko Rakonjac*, Ph.D., Director, Institute of Forestry, Belgrade - Serbia.
- Prof. *Jegor Miladinović*, Ph.D., Director, Institute of Field and Vegetable Crops, Novi Sad - Serbia.
- *Darko Jevremović*, Ph.D., Director, Fruit Research Institute, Čačak - Serbia.
- Prof. *Nenad Đurić*, Ph.D., Director, Institute for Vegetable Crops, Smederevska Palanka - Serbia.
- *Nenad Trkulja*, Ph.D., Director, Institute for Plant and Environmental Protection, Belgrade - Serbia.
- Prof. *Đorđe Mihailović*, Ph.D., Academy of Vocational Studies in Šumadija, Aranđelovac - Serbia.
- *Igor Saveljić*, Ph.D., Director, Institute of Information Technologies, Kragujevac - Serbia.
- *Mira Milinković*, Ph.D., Director, Institute for Soil, Belgrade - Serbia.
- *Dejan Sokolović*, Ph.D., Acting Director, Institute for Forage Crops, Kruševac - Serbia.
- *Milan Beslač*, Ph.D., Serbia, Faculty of Business Economics and Entrepreneurship, Belgrade - Serbia.
- Prof. *Jelena Damjanović*, Ph.D., Director, Novi Sad Business School, Novi Sad - Serbia.

- Prof. *Gojko Rikalović*, Ph.D., President, Association of the Economists of Belgrade, Belgrade - Serbia.
- Prof. *Mihailo Ostojić*, Ph.D., President, Council of Development Academy of Serbian Agriculture (RAPS), Belgrade - Serbia.
- Prof. *Radovan Pejanović*, Ph.D., Honorary President of Balkan Scientific Association of Agricultural Economist, Belgrade - Serbia.
- Prof. *Goran Maksimović*, Ph.D., President of Balkan Scientific Association of Agricultural Economist, Belgrade - Serbia.
- *Aleksandar Bogunović*, Secretary of the Association for Plant Production and Food Industry - Chamber of Commerce and Industry of Serbia, Belgrade - Serbia.
- *Miodrag Veseli*, Council for Smart Agriculture - Chamber of Commerce and Industry of Belgrade, Belgrade - Serbia.
- *Željko Ilić*, Director, Agricultural-Chemical High School in Obrenovac, Belgrade - Serbia.
- *Nikola Mihailović*, President, Cooperative Union of Serbia, Belgrade - Serbia.
- *Jelena Nestorov Bizonj*, President of the Cooperative Union of Vojvodina, Novi Sad - Serbia.
- *Mariana Golumbeanu*, Ph.D., Vice president of the Balkan Environmental Association (B.EN.A.), Thessaloniki - Greece.
- Prof. *Klaus Wagner*, Ph.D., Director of the Federal Institute of Agricultural Economics, Rural and Mountain Research, Vienna - Austria.
- Prof. *Luminita Chivu*, Ph.D., Director, National Institute for Economic Research “Costin C. Kiritescu”, Romanian Academy, Bucharest - Romania.
- Prof. *Gabriel Popescu*, Ph.D., Director of the Center for Study and Research for Agroforestry Biodiversity (CSCBAS), Bucharest - Romania.
- Prof. *Mirela Stoian*, Ph.D., Dean, Faculty of Agro-Food and Environmental Economics, Bucharest University of Economic Studies, Bucharest - Romania.
- Prof. *Ioan Brad*, PhD, Dean, Faculty of Management and Rural Tourism, University of Life Sciences “King Mihai I”, Timisoara - Romania.
- Prof. *Nicoleta Mateoc Sirb*, Ph.D., Director, Research Centre for Sustainable Rural Development of Romania, Romanian Academy, Timisoara - Romania.
- Prof. *Andrei Jean Vasile*, Ph.D., President of the Research Network on Resources Economics and Bioeconomy (RebResNet), Ploiesti - Romania.
- Prof. *Razvan Papuc*, Ph.D., Dean, Faculty of Administration and Business, University of Bucharest, Bucharest - Romania.
- Prof. *Sorin Mihai Cimpeanu*, Ph.D., Rector, University of Agronomic Sciences and Veterinary Medicine of Bucharest (USAMV), Bucharest - Romania.
- *Cecilia Alexandri*, Ph.D., Director, Institute of Agricultural Economics, Bucharest - Romania.
- Prof. *Božidar Ivanov*, Ph.D., Director, Institute of Agricultural Economics, Sofia - Bulgaria.
- *Vili Dragomir*, Ph.D., Director, Institute for Agriculture Economics and Rural Development (ICEADR), Bucharest - Romania.
- Prof. *Agatha Popescu*, Ph.D., University of Agricultural Sciences and Veterinary Medicine of Bucharest, Bucharest - Romania.
- Prof. *Ljiljana Tomić*, Ph.D., Founder of the University of Bijeljina, Bijeljina - Bosnia and Herzegovina.
- Prof. *Boro Krstić*, Ph.D., Dean, Faculty of Agriculture, University of Bijeljina, Bijeljina - Bosnia and Herzegovina.

SCIENTIFIC BOARD

- Prof. *Jonel Subić*, Ph.D., Serbia - President
- Prof. *Wim Heijman*, Ph.D., the Netherlands
- Prof. *Adam Wasilewski*, Ph.D., Poland
- Prof. *Adrian Stancu*, Ph.D., Romania
- Prof. *Agnieszka Wrzochalska*, Ph.D., Poland
- Prof. *Albena Miteva*, Ph.D., Bulgaria
- Prof. *Aleksandar Ostojić*, Ph.D., Bosnia and Herzegovina
- Prof. *Aleksandra Despotović*, Ph.D., Montenegro
- Prof. *Alexandru Stratan*, Ph.D., Moldova
- Prof. *Andras Nabradi*, Ph.D., Hungary
- Prof. *Andreica Marin*, Ph.D., Romania
- Prof. *Anna Ivolga*, Ph.D., Russia
- Prof. *Blagica Sekovska*, Ph.D., Macedonia
- Prof. *Boro Krstić*, Ph.D., Bosnia and Herzegovina
- Prof. *Carmen Dobrota*, Ph.D., Romania
- Prof. *Catalin Dobrea*, Ph.D., Romania
- Prof. *Claudiu Cicea*, Ph.D., Romania
- Prof. *Cosmin Salasan*, Ph.D., Romania
- Prof. *Dan Boboc*, Ph.D., Romania
- Prof. *Donatella Privitera*, Ph.D., Italy
- Prof. *Dorel Dusmanescu*, Ph.D., Romania
- Prof. *Eirik Romstad*, Ph.D., Norway
- Prof. *Ferhat Čejvanović*, Ph.D., Bosnia and Herzegovina
- Prof. *Florentina Constantin*, Ph.D., Romania
- Prof. *Francisco J. Matus*, Ph.D., Chile
- Prof. *Gabriel Popescu*, Ph.D., Romania
- Prof. *Giuseppe Castaldelli*, Ph.D., Italy
- Prof. *Irina Gostin*, Ph.D., Romania
- Prof. *Irina Petrescu*, Ph.D., Romania
- Prof. *Ivo Grgić*, Ph.D., Croatia
- Prof. *Jean Vasile Andrei*, Ph.D., Romania
- Prof. *Jorde Jakimovski*, Ph.D., Macedonia
- Prof. *Julia Doitchinova*, Ph.D., Bulgaria
- Prof. *Karoly Bodnar*, Ph.D., Hungary
- Prof. *Maja Kožar*, Ph.D., Slovenia
- Prof. *Marco Platania*, Ph.D., Italy
- Prof. *Margaret Loseby*, Ph.D., Italy
- Prof. *Marian Podstawka*, Ph.D., Poland
- Prof. *Mariana Eftimie*, Ph.D., Romania
- Prof. *Marina Leshcheva*, Ph.D., Russia
- Prof. *Matteo Vittuari*, Ph.D., Italy
- Prof. *Micol Mastrocicco*, Ph.D., Italy
- Prof. *Mirela Matei*, Ph.D., Romania
- Prof. *Mirela Stoian*, Ph.D., Romania
- Prof. *Natalia Bannikova*, Ph.D., Russia
- Prof. *Novak Jauković*, Ph.D., Montenegro
- Prof. *Raluca Ignat*, Ph.D., Romania
- Prof. *Raluca Ion*, Ph.D., Romania
- Prof. *Raluca Ladaru*, Ph.D., Romania
- Prof. *Richard Simmons*, Ph.D., Scotland
- Prof. *Roxana Patarlageanu*, Ph.D. Romania
- Prof. *Vasilii Erokhin*, Ph.D., Russia
- Prof. *Vesna Gantner*, Ph.D., Croatia
- Prof. *Zvonimir Stienen*, Ph.D., Croatia
- Prof. *Željko Vaško*, Ph.D., Bosnia and Herzegovina
- Doc. *Adis Puška*, Ph.D., Bosnia and Herzegovina
- *Barbara Wieliczko*, Ph.D., Poland
- *Bogdan Bazga*, Ph.D., Romania
- *Dori Pavloska*, Ph.D., Macedonia
- *Ion Certan*, Ph.D., Moldova
- *Klaus Dieter Wagner*, Ph.D., Austria
- *Marek Wigier*, Ph.D., Poland
- *Marius Voicilas*, Ph.D., Romania
- *Monica Tudor*, Ph.D., Romania
- *Pawel Chmielinski*, Ph.D., Poland
- *Vaclav Vilhelm*, Ph.D., Czech Republic
- *Zbigniew Floriańczyk*, Ph.D., Poland
- Prof. *Aleksandra Vujko*, Ph.D., Serbia
- Prof. *Andreja Andrejević*, Ph.D., Serbia
- Prof. *Bojan Dimitrijević*, Ph.D., Serbia
- Prof. *Boris Kuzman*, Ph.D., Serbia
- Prof. *Branislav Vlahović*, Ph.D., Serbia
- Prof. *Danijela Despotović*, Ph.D., Serbia

- Prof. *Dejan Janković*, Ph.D., Serbia
- Prof. *Dejan Molnar*, Ph.D., Serbia
- Prof. *Dejan Sekulić*, Ph.D., Serbia
- Prof. *Dragan Milić*, Ph.D., Serbia
- Prof. *Dragan Nedeljković*, Ph.D., Serbia
- Prof. *Dragana Latković*, Ph.D., Serbia
- Prof. *Gordana Dozet*, Ph.D., Serbia
- Prof. *Gordana Mrdak*, Ph.D., Serbia
- Prof. *Igor Tomašević*, Ph.D., Serbia
- Prof. *Ilija Brčeski*, Ph.D., Serbia
- Prof. *Irena Janković*, Ph.D., Serbia
- Prof. *Ivan Bošnjak*, Ph.D., Serbia
- Prof. *Ivana Domazet*, Ph.D., Serbia
- Prof. *Jasmina Mijajlović*, Ph.D., Serbia
- Prof. *Jugoslav Aničić*, Ph.D. Serbia
- Prof. *Lela Ristić*, Ph.D., Serbia
- Prof. *Leposava Zečević*, Ph.D., Serbia
- Prof. *Ljubinko Jovanović*, Ph.D., Serbia
- Prof. *Marija Kostić*, Ph.D., Serbia
- Prof. *Marija Lakićević*, Ph.D., Serbia
- Prof. *Marija Mandarić*, Ph.D., Serbia
- Prof. *Marija Nikolić*, Ph.D., Serbia
- Prof. *Marija Lazarević*, Ph.D., Serbia
- Prof. *Mića Mladenović*, Ph.D., Serbia
- Prof. *Mihailo Manić*, Ph.D., Serbia
- Prof. *Mihajlo Ratknić*, Ph.D., Serbia
- Prof. *Milena Rikalović*, Ph.D., Serbia
- Prof. *Milica Bošković*, Ph.D., Serbia
- Prof. *Milivoj Ćosić*, Ph.D., Serbia
- Prof. *Miljan Leković*, Ph.D., Serbia
- Prof. *Miljana Barjaktarović*, Ph.D., Serbia
- Prof. *Miodrag Brzaković*, Ph.D., Serbia
- Prof. *Natalija Bogdanov*, Ph.D., Serbia
- Prof. *Nemanja Berber*, Ph.D., Serbia
- Prof. *Nenad Stanišić*, Ph.D., Serbia
- Prof. *Nikola Milićević*, Ph.D., Serbia
- Prof. *Olgica Zečević Stanojević*, Ph.D., Serbia
- Prof. *Rade Popović*, Ph.D., Serbia
- Prof. *Radivoj Prodanović* Ph.D. Serbia
- Prof. *Sanja Mrazovac Kurilić*, Serbia
- Prof. *Sanjin Ivanović*, Ph.D., Serbia
- Prof. *Sladjan Rašić*, Ph.D., Serbia
- Prof. *Sladana Vujčić*, Ph.D., Serbia
- Prof. *Sonja Josipović*, Ph.D., Serbia
- Prof. *Sreten Jelić*, Ph.D., Serbia
- Prof. *Stanislav Zekić*, Ph.D., Serbia
- Prof. *Tamara Paunović*, Ph.D., Serbia
- Prof. *Tanja Stanišić*, Ph.D., Serbia
- Prof. *Tatjana Dimitrijević*, Ph.D., Serbia
- Prof. *Tatjana Jovanić*, Ph.D., Serbia
- Prof. *Todor Marković*, Ph.D., Serbia
- Prof. *Veljko Vukoje*, Ph.D., Serbia
- Prof. *Vera Mirović*, Ph.D., Serbia.
- Prof. *Vesna Rodić*, Ph.D., Serbia
- Prof. *Vladan Pavlović*, Ph.D., Serbia
- Prof. *Vlade Zarić*, Ph.D., Serbia
- Prof. *Vladimir Zakić*, Ph.D., Serbia
- Prof. *Vladislav Zekić*, Ph.D., Serbia
- Prof. *Zoran Njegovan*, Ph.D., Serbia
- Prof. *Zoran Rajić*, Ph.D., Serbia
- Prof. *Zorica Sredojević*, Ph.D., Serbia
- Prof. *Željko Dolijanović*, Ph.D., Serbia
- Prof. *Vera Rajičić*, Ph.D., Serbia.
- Doc. *Dragan Terzić*, Ph.D., Serbia
- Doc. *Gordana Radović*, Ph.D., Serbia
- Doc. *Marija Lukić*, Ph.D., Serbia
- Doc. *Maja Grgić*, Ph.D., Croatia
- Doc. *Mirela Tomaš*, Ph.D., Serbia
- Doc. *Miroslav Nedeljković*, Ph.D., Serbia
- Doc. *Violeta Babić*, Ph.D., Serbia
- Doc. *Vladan Cogoljević*, Ph.D., Serbia
- *Aleksandar Lepasavić*, Ph.D., Serbia
- *Aleksandar Lučić*, Ph.D., Serbia
- *Aleksandra Ivetić*, Ph.D., Serbia
- *Ana Marjanović Jeromela*, Ph.D., Serbia
- *Aneta Buntić*, Ph.D., Serbia
- *Anton Puškarić*, Ph.D., Serbia
- *Biljana Grujić Vučkovski*, Ph.D., Serbia
- *Branko Mihailović*, Ph.D., Serbia
- *Danica Mićanović*, Ph.D., Serbia
- *Dejan Živkov*, Ph.D., Serbia
- *Divna Simić*, Ph.D., Serbia

- *Gordana Radović*, Ph.D., Serbia
- *Isidora Beraha*, Ph.D., Serbia
- *Isidora Ljumović*, Ph.D., Serbia
- *Jelena Maksimović*, Ph. D., Serbia
- *Katica Radosavljević*, Ph.D., Serbia
- *Lana Nastić*, Ph.D., Serbia
- *Ljiljana Rajnović*, Ph.D., Serbia
- *Marijana Jovanović Todorović*, Ph.D., Serbia
- *Marko Jeločnik*, Ph.D., Serbia
- *Mihajlo Ratknić*, Ph.D., Serbia
- *Milena Simić*, Ph.D., Serbia
- *Mirjana Despotović*, Ph.D., Serbia
- *Nataša Kljajić*, Ph.D., Serbia
- *Nataša Papić Blagojević*, Ph.D., Serbia
- *Olivera Jovanović*, Ph.D., Serbia
- *Predrag Vuković*, Ph.D., Serbia
- *Radmila Jovanović*, Ph.D., Serbia
- *Ratibor Štrbanović*, Ph.D., Serbia
- *Robert Radišić*, Ph.D., Serbia
- *Sanja Đurović*, Ph.D., Serbia
- *Sanja Popović Pantić*, Ph.D, Serbia
- *Sladán Stanković*, Ph.D., Serbia
- *Slavica Arsić*, Ph.D., Serbia
- *Slavica Čolić*, Ph.D., Serbia
- *Slavica Stevanović*, Ph.D., Serbia
- *Slobodan Cvetković*, Ph.D., Serbia
- *Sonja Đurićin*, PhD., Serbia
- *Vedran Tomić*, Ph.D., Serbia
- *Vera Popović*, Ph.D., Serbia
- *Vesna Paraušić*, Ph.D., Serbia
- *Vesna Popović*, Ph.D., Serbia
- *Violeta Anđelković*, Ph.D., Serbia
- *Vladan Ugrenović*, Ph.D., Serbia
- *Vladeta Stevović*, Ph.D., Serbia
- *Vladimir Filipović*, Ph.D., Serbia
- *Vladimir Miladinović*, Ph.D., Serbia
- *Vlado Kovačević*, Ph.D., Serbia
- *Zoran Simonović*, Ph.D., Serbia
- *Željko Despotović*, Ph.D., Serbia

ORGANIZATIONAL BOARD

- *Marijana Jovanović Todorović*, Ph.D. - President
- *Doc. Miroslav Nedeljković*, Ph.D. - Vice President
- *Prof. Jonel Subić*, Ph.D.
- *Anton Puškarić*, Ph.D.
- *Biljana Grujić Vučkovski*, Ph.D.
- *Boban Zarić*
- *Bojana Bekić Šarić*, Ph.Ds.
- *Gordana Radović*, Ph.D.
- *Irina Marina*, PhDs.
- *Ivana Vučetić*
- *Lana Nastić*, Ph.D.
- *Ljiljana Rajnović*, Ph.D.
- *Marko Jeločnik*, Ph.D.
- *Milena Marinković*
- *Nada Mijajlović*, M.A.
- *Nataša Kljajić*, Ph.D.
- *Predrag Vuković*, Ph.D.
- *Prof. Boris Kuzman*, Ph.D.
- *Prof. Branko Mihailović*, Ph.D.
- *Prof. Dragan Nedeljković*, Ph.D.
- *Prof. Leposava Zečević*, Ph.D.,
- *Prof. Olgica Zečević Stanojević*, Ph.D.
- *Prof. Zoran Simonović*, Ph.D.
- *Slavica Arsić*, Ph.D.
- *Velibor Potrebić*, Ph.Ds.
- *Vesna Paraušić*, Ph.D.
- *Vesna Popović*, Ph.D.
- *Vesna Stajčić*

CONTENT:

PLENARY SECTION I

1. *Andrei Jean Vasile, Luminita Chivu, Mile Vasić, Madalina Ionescu* - **INVESTIGATING SOME POSSIBLE IMPACTS OF ENERGY USE AND PRICES ON AGRICULTURAL SECTOR DEVELOPMENT** 1
2. *Francisco J. Matus* - **SOIL CARBON SEQUESTRATION: A NATURE-BASED SOLUTION UNDER OUR FEET - PERSPECTIVE FROM THE CHILEAN VOLCANIC SOILS** . . . 2
3. *Georgiana Raluca Ladaru, Ionut Laurentiu Petre* - **ANALYSIS OF THE COMPETITIVENESS OF THE AGRICULTURAL SECTOR IN TERMS OF COMMERCIAL TRADE, PARALLEL ROMANIA - SERBIA** 3
4. *Irina Sashkova, Anna Ivolga* - **ECONOMIC DIVERSIFICATION AS A FACTOR OF SUSTAINABLE RURAL DEVELOPMENT: CASE OF THE STAVROPOL REGION** 4
5. *Karoly Bodnar* - **DOMESTIC RABBIT PRODUCTION IN HUNGARY** 5
6. *Paun Ion Otiman, Nicoleta Mateoc Sirb, Adrian Gheorghe Banes, Cosmin Salasan, Andrea Feher, Miroslav Raicov, Gabriel Suster* - **INNOVATIVE CIRCULAR SOLUTIONS IN THE HOUSING SECTOR** 6
7. *Steliana Rodino* - **ADVANCING BIOECONOMY: A CROSS-COUNTRY PERSPECTIVE ON EUROPE'S SUSTAINABLE FUTURE** 7
8. *Vasilii Erokhin, Gao Tianming* - **REVEALING COMPARATIVE ADVANTAGES IN THE CHINA-SERBIA AGRICULTURAL TRADE.** 8
9. *Vesna Gantner, Ranko Gantner, Zvonimir Steiner, Boro Krstić, Vera Popović* - **DOES CATTLE PRODUCTION AFFECT GLOBAL WARMING?** 9

10. <i>Vili Dragomir</i> - ECONOMIC OPTIMIZATION OF AGRICULTURAL PRODUCTION PROCESSES AS A RESPONSE TO ENVIRONMENTAL CHALLENGES	10
--	-----------

PLENARY SECTION II

1. <i>Jelena Nestorov Bizonj</i> - AGRICULTURAL COOPERATIVES IN THE FUNCTION OF IMPROVEMENT OF MARKET POSITION OF FARMERS IN VOJVODINA.	13
2. <i>Marijana Joksimović</i> - THE INFLUENCE OF FOREIGN DIRECT INVESTMENTS ON THE IMPROVEMENT OF AGRIBUSINESS	14
3. <i>Nenad Trkulja</i> - MULTI-RESISTANCE OF CERCOSPORA BETICOLA TO MBC, DMI AND QoI FUNGICIDES AND IMPACT ON MANAGAMENT	15
4. <i>Radivoj Prodanović, Dragan Ivanišević</i> - ADDING VALUE IN SHEEP FARMING THROUGH THE DEVELOPMENT OF ALTERNATIVE PRODUCTS	16
5. <i>Sanjin Ivanović, Saša Todorović</i> - NEW APPROACHES TO INVESTMENT DECISIONS ON AGRICULTURAL HOLDINGS	17
6. <i>Snežana Cico, Ljiljana Rajnović</i> - SOCIALLY RESPONSIBLE STATE BUSINESS AND AGRICULTURAL LAND RESTITUTION PROCEDURE	18
7. <i>Sonja Đuričin</i> - IMPACT OF RESEARCH AND DEVELOPMENT INVESTMENT ON MEDIUM-SIZED AGRICULTURAL ENTERPRISES' BUSINESS SUCCESS IN SERBIA	19
8. <i>Vedran Tomić, Robert Radišić</i> - ECONOMIC ASPECTS OF MILK PRODUCTION AND COTTAGE CHEESE AS A TRADITIONAL DAIRY PRODUCT ON FAMILY FARMS IN SERBIA	20

I SECTION – AGRIBUSINESS

1. *Aleksandar Miljatić, Veljko Vukoje, Veljko Šarac* - **THE ECONOMIC CHARACTERISTICS OF AGRICULTURAL HOLDINGS IN THE REPUBLIC OF SERBIA** **.23**
2. *Ana Ursu* - **TECHNO-ECONOMIC MODELS FOR ANALYSIS AND OPTIMIZATION OF ECONOMIC PROCESSES IN AGRICULTURE** **.24**
3. *Bianca Florentina Nistoroiu, Stefan Laurentiu Prahoveanu, Sergej Vasić* - **A SUMMERY ANALYSIS OF SUSTAINABLE FAMILY FARMING IN THE EUROPEAN UNION** **.25**
4. *Blagica Sekovska, Vasilka Poposka Trenevka* - **NEGATIVE TRENDS IN AGRICULTURAL LAND MANAGEMENT POLICY IN GENERAL WITH SPECIAL REFERENCE TO MACEDONIA** **.26**
5. *Gheorghe Dan Isbășoiu, Dana Volosevici* - **NON-STANDARD FORMS OF EMPLOYMENT IN THE ROMANIAN AGRICULTURE** . . . **.27**
6. *Jovana Dedić, Radovan Pejanović, Jelica Eremić Dođić* - **TAX ASPECT OF THE ACCOUNTING OF PERENNIAL PLANTINGS**. **.28**
7. *Marko Jeločnik, Lana Nastić, Božo Ilić* - **INVESTMENT IN CREATING THE VALUE ADDED IN LIVESTOCK PRODUCTION** **.29**
8. *Miroslav Nedeljković, Milorad Đokić, Velibor Potrebić* - **SELECTION OF SUSTAINABLE SUPPLIERS IN AGRICULTURAL ENTERPRISES** **.30**
9. *Silviu Beciu, Georgiana Armenița Arghiroiu, Maria Bobeică Colpoș* - **STUDY ABOUT EVOLUTION OF THE ROMANIAN OILSEED MARKET AND ROMANIAN PLACE IN THE INTERNATIONAL TRADE WITH OILSEED**. **.31**
10. *Steliana Mocanu, Ionut Laurentiu Petre, Marilena E. Potârniche Berheci* - **ANALYSIS OF CEREAL FOREIGN TRADE IN EUROPEAN UNION** **.32**

11. *Simona Cosmina Toader, Ioan Brad, Ciprian Ioan Rujescu, Monica Ocnean, Jakub Skorupa* - **AGRIBUSINESS IN TERMS OF EDUCATIONAL OFFER AND EMPLOYMENT OPPORTUNITIES: STUDY CASE ROMANIA** **33**
12. *Vesna Paraušić, Bojana Bekić Šarić, Jasna Babić* - **THE GLOBAL G.A.P. CERTIFICATION SCHEME IN SERBIAN AGRICULTURE: CONSULTANTS' ATTITUDES** **34**
13. *Violeta Sima, Ileana Georgiana Gheorghe* - **AN OVERVIEW OF THE EUROPEAN UNION WINE SECTOR DYNAMICS: AN EMPIRICAL ANALYSIS FROM THE ROMANIAN PERSPECTIVE.** **35**
14. *Vlado Kovacević* - **ANALYSIS OF AGRICULTURAL POLICY DEVELOPMENTS IN SERBIA** **36**
15. *Zoran Simonović, Biljana Ilić* - **COMPLEX BUSINESS SYSTEM MANAGEMENT IN AN AGRO-INDUSTRIAL COMPLEX** . . . **37**

II SECTION - BIOTECHNOLOGY

1. *Angel Sarov, Ekaterina Tzvetanova* - **ECONOMIC EFFECTIVENESS OF APPLICATION OF BIOSTIMULATORS IN SPRING OATS** .41
2. *Georgi Georgiev* - **TESTING THE EFFECT OF AN INNOVATIVE PRODUCT OF THE COMPANY HUMATE ROST FOR VEGETATIVE FOLIAR NUTRITION ON THE DEVELOPMENT OF OIL SUNFLOWER (HELIANTHUS ANNUUS L.) UNDER THE CONDITIONS OF DOBRUDJA.** **42**
3. *Gordana Tamindžić, Sergej Azizbekian, Srđan Zec, Slobodan Vlajić, Dragana Milošević, Dragana Miljaković, Maja Ignjatov* - **FOLIAR APPLICATION OF NANOFERTILIZER IMPROVES SEED QUALITY PERFORMANCE OF TOMATO (SOLANUM LYCOPERSICUM L.).** **43**
4. *Iliyana Petrova, Svetlana Stoyanova, Ralitza Mincheva* - **EFFECT OF FOLIAR TREATMENTS WITH BIOSTIMULANTS IN SPRING OILSEED RAPE CULTIVATION** **45**

5. *Irina Marina, Biljana Grujić Vučkovski, Marijana Jovanović Todorović* - **IMPACT OF INTENSIVE AGRICULTURAL PRODUCTION ON THE ENVIRONMENT** **46**
6. *Maja Ignjatov, Dragana Milošević, Janko Červenski, Slobodan Vlajić, Boris Adamović, Snežana Jakšić, Đorđe Vojnović* - **HEALTHY SOIL - HEALTHY PLANT: CONTAMINATED SOIL AS A SOURCE OF INOCULUM OF *FUSARIUM VERTICILLIOIDES* (SACC.) NIRENBERG** **47**
7. *Marina Đorović, Radojica Rakić, Jela Ikanović, Vera Popović, Zdravka Petković, Dragana Popović, Ljubiša Kolarić* - **SPANISH REED IN THE FUNCTION OF RENEWABLE ENERGY SOURCES AND CIRCULAR ECONOMY** **49**
8. *Nada Mijajlović, Nataša Papić Blagojević, Đorđe Mihailović* - **BEEKEEPING AND HONEY PRODUCTION IN SERBIA IN THE CONTEXT OF SUSTAINABLE RURAL DEVELOPMENT.** **50**
9. *Nataša Kljajić, Jonel Subić, Predrag Vuković* - **NATURAL CHARACTERISTICS AS A BASE FOR THE SUSTAINABLE AGRICULTURAL PRODUCTION – THE MUNICIPALITY OF TEMERIN EXAMPLE** **51**
10. *Ranko Gantner, Igor DelVechio, Zvonimir Steiner, Bishal K. Sitaula, Krešimir Bošnjak, Vesna Gantner* - **MAIZE GRAIN YIELD IN ANIMAL-POWERED FARMING AS AFFECTED BY SOIL FERTILIZATION VARIANT: RESULTS FROM THE 2023 SEASON IN NORTH-EAST CROATIA.** **52**
11. *Slavica Arsić, Ivan Bošnjak, Anton Puškarić* - **PRODUCTS OBTAINED FROM MILK PROCESSING WITH SPECIAL REFERENCE TO WHEY PRODUCTION IN CHEESE PRODUCTION** **53**
12. *Tatjana Dimitrijević, Mihailo Ratknić* - **VALUES OF ECOSYSTEM SERVICES - CARBON STORAGE IN THE FOREST ECOSYSTEMS OF BELGRADE** **54**
13. *Tina Lešnik, Andreja Borec* - **THE INFLUENCE OF THE ORIENTATION AND TYPE OF HEDGEROWS ON SHADING PERCENTAGE OF AGRICULTURAL LAND** **55**

14. *Vera Popović, Marijana Jovanović Todorović, Vesna Gantner, Vera Rajičić, Vladimir Filipović, Dragan Dokić, Gordana Dozet* - **STATE OF ORGANIC PRODUCTION IN WORLD AND FOR US56**
15. *Vesna Gantner, Vera Popović, Zvonimir Steiner, Ranko Gantner, Klemen Potočnik* - **THE DIFFERENCES IN SUBCLINICAL MASTITIS PREVALENCE AND EFFECT ON MILK PRODUCTION DUE TO COWS' BREED AND BREEDING REGION58**
16. *Vladimir Miladinović, Vladan Ugrenović, Mira Milinković* - **PHYTOREMEDIATION AND ELECTROKINETIC SOIL REMEDIATION60**
17. *Zoranka Malešević, Đorđe Ilić, Mirjana Jovović* - **POSSIBILITY OF BIOLOGICAL RECLAMATION OF DEGRADED SOIL IN THE DUMPS OF THE PLJEVLJA MINE61**
18. *Zvonimir Steiner, Ivan Babić, Vesna Gantner, Ranko Gantner* - **EFFECT OF MILK REPLACEMENT ON GROWTH, NUTRITION COEFFICIENT AND OTHER RELEVANT PARAMETERS IN DAIRY CALVES62**

III SECTION – REVITALIZATION OF RURAL AREAS

1. *Aleksandra Vujko, Radmila Bojović, Miroslav Knežević* - **RURAL TOURISM IN THE FUNCTION OF SERBIAN AND EU TOURISM DEVELOPMENT 65**
2. *Aliyu Mansur Sulaiman, Mustapha Umar, Jimoh Abdulrauf Kayode, Rafiu Olalekan Yusuf, Miroslav P. Popović* - **SOCIOECONOMIC EFFECTS OF CATTLE RUSTLING ON THE LIVELIHOOD OF INHABITANTS OF SOME SELECTED RURAL COMMUNITIES IN NORTHERN NIGERIA 66**
3. *Andreea Roxana Firăţoiu, Liviu Mărcuţă, Elena Soare, Irina Adriana Chiurciu* - **THE CONTRIBUTION OF TOURISM TO THE DEVELOPMENT OF THE RURAL AREA IN ILFOV COUNTY: CASE STUDY FOR BUFTEA AREA 67**
4. *Daniela Nicoleta Voicila, Diana Maria Ilie* - **BIBLIOMETRIC ANALYSIS: QUALITY OF LIFE IN RURAL AREA 68**

5.	<i>Gordana Radović, Radovan Pejanović, Zorica Vasiljević -</i> FINANCING THE DEVELOPMENT OF RURAL TOURISM IN SERBIA FROM THE IPARD II PROGRAM.	69
6.	<i>Lela Ristić, Petar Veselinović, Danijela Despotović –</i> GLOBAL TRENDS AND OUTLOOKS IN AGRICULTURAL DEVELOPMENT AND FOOD SECURITY	70
7.	<i>Marija Gjosheva Kovachevikj, Jorde Jakjimoski, Lazo Dimitrov, Despina Popovska Stojanov -</i> REGIONAL DISPARITIES RELATED TO SOCIOECONOMIC DETERMINANTS OF AGRICULTURE AND RURAL DEVELOPMENT IN NORTH MACEDONIA.	71
8.	<i>Marija Indin -</i> CHALLENGES OF THE GREEN TRANSITION IN RURAL AREAS.	72
9.	<i>Marija Popović, Sreten Jelić -</i> SOCIO-DEMOGRAPHIC CHARACTERISTICS OF SERBIAN HOUSEHOLDS AND SUSTAINABLE DEVELOPMENT	73
10.	<i>Radmila Jovanović, Claudete Oliveira Moreira, Debajit Datta</i> - OBSERVING CHANGES OF SETTLEMENT SIZE IN VITICULTURAL ZONES OF SERBIA USING VIIRS NIGHTTIME LIGHT DATA	74
11.	<i>Sara Stanić Jovanović, Dragana Vuković, Nevena Miletović -</i> DEVELOPMENT OF SPECIAL FORMS OF TOURISM WITH THE AIM TO REVITALIZE THE RURAL AREA OF PLJEVLJA MUNICIPALITY	75
12.	<i>Snežana Milićević, Nataša Đorđević, Marija Mandarić -</i> RURAL TOURISM: EMPOWERING RURAL DEVELOPMENT . . .	76
13.	<i>Suzana Lazović, Drago Cvijanović -</i> REVITALIZATION OF RURAL AREAS THROUGH THE APPLICATION OF THE “SMART VILLAGE” CONCEPT.	77

IV SECTION – DIGITALIZATION IN AGRICULTURE

1.	<i>Branko Mihailović, Vesna Popović, Katica Radosavljević -</i> INDOOR SMART GARDEN AS A FACTOR OF SUSTAINABLE DEVELOPMENT IN AGRICULTURE.	81
----	--	-----------

2.	<i>Cosmin Salasan, Carmen Simona Dumitrescu, Iasmina Iosim, Cosmina Toader</i> - DIGITAL LITERACY AND USE OF DIGITAL TECHNOLOGIES BY SMALL FARMERS IN SOUTHEASTERN EUROPE	82
3.	<i>Ferhat Ćejvanović, Adnan Kamerić</i> - THE ECONOMIC SIGNIFICANCE OF DIGITIZATION IN AGRIBUSINESS	83
4.	<i>Katarina Stojanović, Radovan Pejanović</i> - URBAN AGRICULTURE, IMPLEMENTATION POSSIBILITIES IN THE BUILT ENVIRONMENT AND SMART CITY	84
5.	<i>Mirjana Dejanović, Sanja Popović Pantić, Ana Kovačević</i> - THE SIGNIFICANCE OF DIGITAL TRANSFORMATION IN AGRICULTURE FOR SUSTAINABLE DEVELOPMENT.	85
6.	<i>Nedeljko Prdić, Boris Kuzman, Sara Kostić</i> - DIGITALIZATION OF THE SALE OF AGRICULTURAL PRODUCTS AS A CHALLENGE TO THE CRISIS	86
7.	<i>Olgica Zečević Stanojević, Dragan Nedeljković, Leposava Zečević, Boris Stanojević</i> - SIGNIFICANCE OF INNOVATIONS AND APPLICATION OF INFORMATION - COMMUNICATION TECHNOLOGIES IN AGRICULTURE AND RURAL DEVELOPMENT OF SERBIA	87
8.	<i>Sladjan Stanković, Vedran Tomić, Cosmin Salasan</i> - PERSPECTIVES OF DIGITAL TOOLS IN THE AGRICULTURAL ADVISORY WORK.	88
9.	<i>Tina Bobić, Maja Gregić, Pero Mijić, Vesna Gantner</i> - INFORMATION AND COMMUNICATION TECHNOLOGYS IN CATTLE LAMENESS DETECTION.	89
10.	<i>Vladimir Pejanović, Boris Stanojević, Gordana Radović</i> - NEW TECHNOLOGIES IN AGRICULTURE AND SMART VILLAGES	90

STATE OF ORGANIC PRODUCTION IN WORLD AND FOR US¹

Vera Popović², Marijana Jovanović Todorović³, Vesna Gantner⁴,
Vera Rajičić⁵, Vladimir Filipović⁶, Dragan Dokić⁷, Gordana Dozet⁸

Abstract

Sustainable resource management ensures stability and quality of agricultural production on the global food market. Organic production ensures are health-safe products, economic benefit, preserving the environment and health. In study is analyzed organic production in the World, Serbia, Montenegro, Croatia, Bosnia and Herzegovina, Slovenia and North Macedonia. The organic agricultural area records a growth trend in 2021, of 1.7%. This is indicated by data from 191 countries and more than 76 million hectares of agricultural land, which is 1.6 percent of the total agricultural land. The regions with the largest organic agricultural land areas are Oceania (36 mill. ha or 47%) and Europe (17.8 mill. ha, 23%) followed by Latin America (9.9 mill. ha, 13%), Asia (6.5 mill. ha, 8.5 percent), Northern America (3.5 mill. ha, 4.6%) and Africa (2.7 mill. ha, 3.5%). The ten countries with the largest organic agricultural areas have a combined total of 59.6 million hectares and constitute almost 80 percent of the world's organic agricultural land: Australia, 35.69 mill. ha, Argentina, 4.07 mill. ha, France, 2.78 mill. ha, China, 2.75 mill. ha, Uruguay, 2.74 mill. ha, India, 2.66 mill. ha, Spain, 2.64 mill. ha, USA, 2.33 mill. ha, Italy, 2.19 mill. ha, Germany, 1.8 mill. ha. Serbia, Croatia, Slovenia, B&H and North Macedonia recorded a trend of area growth in 2021 compared to 2020. Macedonia recorded the largest increase in area (7794 ha), of 109.1%, followed by B&H (2495 ha, 47.5%), Serbia (23527 ha, 21.8%), Croatia (121924 ha, 12.3%). In Slovenia, the stagnation of surface area (52078 ha) was

-
- 1 Article as research is financed by the Ministry of Education, Science and Technological Development of the Republic of Serbia no 451-03-47/2023-01/200009 from 03.02.2023
 - 2 Prof. Dr. Vera Popović, Full Professor, Principal Research Fellow; Institute of Field and Vegetable Crops, Novi Sad, Serbia; Corresponding author: vera.popovic@ifvns.ns.ac.rs
 - 3 Dr. Marijana Jovanović Todorović, Institute of Agricultural Economics Belgrade, Serbia
 - 4 Prof. Dr. Vesna Gantner, Full Professor, University of Osijek, Faculty of Agrobiotechnical Sciences Osijek, Vladimira Preloga 1, Osijek, Croatia
 - 5 Prof. Dr. Vera Rajičić, Principal Research Fellow, University of Niš, Faculty of Agriculture, Kruševac, Serbia
 - 6 Dr. Vladimir Filipović, Institute for Medicinal Plants Research “Dr Josif Pancic”, Belgrade, Serbia
 - 7 Dr. Dragan Dokić, Erdut Municipality, Bana Josipa Jelačića 4, Dalj, Croatia
 - 8 Prof. Gordana Dozet, Megatrend University, Faculty of Biofarming, Belgrade, Serbia

recorded, while Montenegro recorded a decrease in surface area in 2021 (4404 ha) compared to 2020 (4823 ha), by 418.8 ha ie. for 8.7%. Thanks to our excellent geographical position and good quality land, we have excellent conditions for the growth of organic production, which would be our great export opportunity.

Key words: *Organic production, trend growth, health-safe products.*

CIP - Каталогизација у публикацији
Народна библиотека Србије, Београд

631:502.121.1(048)

005.591.6:631(048)

338.432(048)

INTERNATIONAL scientific conference Sustainable agriculture and rural development (4 ; 2023 ; Beograd)

Book of abstracts / IV international scientific conference Sustainable agriculture and rural development, December, 2022 Belgrade ; [organizers] Institute of Agricultural Economics ... [et al.] ; [editors Jonel Subić ... [et al.]]. - Belgrade : Institute of Agricultural Economics, 2023 (Novi Sad : NS Mala knjiga +). - XIX, 90 str. ; 24 cm

Tiraž 200. - Str. XIX: Preface / editors.

ISBN 978-86-6269-132-3

1. Subić, Jonel, 1964- [уредник]

а) Пољопривреда -- Научно-технолошки развој -- Апстракти б) Пољопривреда -- Економски аспект -- Апстракти в) Пољопривреда -- Одрживи развој -- Апстракти г) Пољопривредна производња -- Апстракти д) Рурални развој -- Апстракти

COBISS.SR-ID 132365577

