

AgroSym 2019

AGRO 2019 sym

Faculty of Agriculture
University of East Sarajevo

CIHEAM - Mediterranean
Agronomic Institute of
Bari (CIHEAM - IAMB)

Faculty of Agriculture
University of Belgrade



Republic of Srpska
Bosnia and Herzegovina

Italy

Serbia

in collaboration with



Jahorina, 03-06 October 2019, Bosnia and Herzegovina

SYMPOSIUM PROGRAMME

HONORARY COMMITTEE

- Prof. dr Boris Pasalic**, Minister of Agriculture, Water Management and Forestry of Republic of Srpska, Bosnia
Mr Srđjan Rajčević, Minister of Scientific-Technological Development, Higher Education and Information Society of Republic of Srpska, Bosnia
Prof. dr Milan Kulic, Rector of the University of East Sarajevo, Bosnia
Prof. dr Dusan Zivkovic, Dean of the Faculty of Agriculture, University of Belgrade, Serbia
Dr. Maurizio Raeli, Director of the Mediterranean Agronomic Institute of Bari, Italy
Prof. dr Mario T. Tabucano, President of the International Society of Environment and Rural Development, Japan
Prof. dr Fokiaon K. Vosniakos, President of the Balkan Environmental Association (B.E.N.A), Greece
Prof. dr Mustafa Şahin, Rector of the Selçuk University, Turkey
Prof. dr Aleksey Andreev, Rector of the Perm State Agro-Technological University, Russia
Prof. dr Nikolay I. Bukhtoyarov, Rector of the Voronezh State Agricultural University named after Peter The Great, Russia
Prof. dr Antanas Maziliauskas, Rector of the Vytautas Magnus University Agriculture Academy, Lithuania
Prof. dr Barbara Hinterstoisser, Vice-Rector of the University of Natural Resources and Life Sciences (BOKU), Austria
Prof. dr José Sergio Barrales Domínguez, Rector of the Chapingo Autonomous University, Mexico
Doc. Ing. Klaudia Halászová, Rector of the Slovak University of Agriculture in Nitra, Slovakia
Prof. dr Calin D. Oros, Rector of the Valahia University of Targoviste, Romania
Prof. dr Viktor Kaminskyi, Director of National Scientific Center „Institute of Agriculture of NAAS”, Kyiv, Ukraine
Prof. dr Amr Ahmed Mostafa, Dean of the Faculty of Agriculture, Cairo University, Egypt
Prof. dr Sorin Mihai Cimpeanu, Rector of the University of Agricultural Sciences and Veterinary Medicine of Bucharest, Romania
Prof. dr Francesco Tei, Director of the Department of Agricultural, Food and Environmental Sciences, University of Perugia, Italy
Prof. dr Davut Karayel, Dean of Faculty of Agriculture, University of Akdeniz - Antalya, Turkey
Dr Chokri Thabet, the General Director of the High Agronomic Institute of Chott Mariem, Sousse, Tunisia
Prof. dr Seyed Hamidreza Sadeghi, Professor at Tarbiat Modares University and the President of the Watershed Management Society of Iran, Iran
Prof. dr Ivan Yanchev, Director of the Institute of Animal Science- Kostinbrod, Bulgaria
Prof. dr Zlatan Kovacevic, Dean of the Faculty of Agriculture, University of Banja Luka, Bosnia and Herzegovina
Prof. dr Lazar Radovanovic, Dean of the Faculty of Economics Brcko, University of East Sarajevo, Bosnia and Herzegovina
Prof. dr Bozidarka Markovic, Dean of the Biotechnical Faculty, University of Podgorica, Montenegro
Prof. dr Snezana Jankovic, Director of the Institute for Science Application in Agriculture, Serbia
Prof. dr Sasa Orlovic, Director of the Institute of Lowland Forestry and Environment, Serbia
Prof. dr Branko Kovacevic, President of the Academy of Engineering Sciences of Serbia, Serbia
Prof. dr Vojislav Trkulja, Director of Agricultural Institute of Republic of Srpska - Banja Luka, Bosnia and Herzegovina
Dr. Branka Kresovic, Director of the Maize Research Institute "Zemun Polje", Serbia
Dr Svetlana Balesevic-Tubic, Director of the Institute of Field and Vegetable Crops, Serbia
Prof. dr Nedeljko Tica, Dean of the Faculty of Agriculture, University of Novi Sad, Serbia
Prof. dr Rodne Nastova, Director of the Institute for Animal Science, Skopje, Macedonia
Prof. dr Radovan Pejanovic, President of Balkan Scientific Association of Agricultural Economics, Serbia
Prof. dr Jonel Subic, Director of the Institute of Agricultural Economics, Serbia

SCIENTIFIC COMMITTEE

- Chairman: Academician Prof. dr Dusan Kovacevic**, Faculty of Agriculture, University of Belgrade, Serbia
Prof. dr William Meyers, Howard Cowden Professor of Agricultural and Applied Economics, University of Missouri, USA
Prof. dr John Brayden, Norwegian Agricultural Economics Research Institute (NILF), Norway
Prof. dr Steve Quarie, Visiting Professor, School of Biology, Newcastle University, United Kingdom
Prof. dr Andreas Melcher, CDR, University of Natural Resources and Life Sciences (BOKU), Vienna, Austria
Prof. dr Dani Shtienberg, Full professor, Department of Plant pathology and Weed Research, ARO, the Volcani Center, Bet Dagan, Israel
Prof. dr Thomas G. Johnson, University of Missouri - Columbia, USA
Prof. dr Dieter Trautz, University of Applied Science, Germany
Prof. dr Machito Mihara, Tokyo University of Agriculture, Japan
Prof. dr Markus Schermer, Department of Sociology, University of Innsbruck, Austria
Prof. dr Jorge Batlle-Sales, Department of Biology, University of Valencia, Spain
Prof. dr Sergei Eliseev, Vice-Rector for Research and Innovations, Perm State Agro-Technological University, Russia
Prof. dr Richard Barichello, Faculty of Land and Food Systems, University of British Columbia, Canada
Academician Prof. dr Novo Przulj, Faculty of Agriculture, University of Banjaluka, Bosnia and Herzegovina
Prof. dr Tatiana Sivkova, Faculty for Veterinarian Medicine and Zootechny, Perm State Agro-Technological University, Russia
Prof. dr Adriano Ciani, Department of Agricultural, Foods and Environmental Sciences, Perugia University, Italy
Prof. dr Aleksej Lukin, Voronezh State Agricultural University named after Peter The Great, Russia
Prof. dr Matteo Vittuari, Faculty of Agriculture, University of Bologna, Italy
Prof. dr Seyed Mohsen Hosseini, Faculty of Natural Resources, Tarbiat Modares University, Iran
Prof. dr Ardian Maci, Faculty of Agriculture and Environment, Agricultural University of Tirana, Albania
Prof. dr Regucivilla A. Pobar, Bohol Island State University, Philippines
Prof. dr Sudheer Kundukulangara Pulisseri, Kerala Agricultural University, India
Prof. dr EPN Udayakumara, Faculty of Applied Sciences, Sabaragamuwa University, Sri Lanka
Prof. dr Vladimir Smutný, Full professor, Mendel University, Faculty of agronomy, Czech Republic
Prof. dr Franc Bavec, Full professor, Faculty of Agriculture and Life Sciences, Maribor, Slovenia
Prof. dr Jan Moudry, Full professor, Faculty of Agriculture, South Bohemia University, Czech Republic

Prof. dr Stefan Tyr, Full professor, Faculty of Agro-biology and Food Resources, Slovakia
Prof. dr Natalija Bogdanov, Faculty of Agriculture, University of Belgrade, Serbia
Prof. dr Sabahudin Bajramovic, Faculty of Agriculture and Food Sciences, University of Sarajevo, Bosnia
Prof. dr Francesco Porcelli, University of Bari Aldo Moro, Italy
Prof. dr Vasilije Isajev, Faculty of Forestry, University of Belgrade, Serbia
Prof. dr Elazar Fallik, Agricultural Research Organization (ARO), Volcani, Israel
Prof. dr Junaid Alam Memon, Pakistan Institute of Development Economics, Pakistan
Prof. dr Hiromu Okazawa, Faculty of Regional Environment Science, Tokyo University of Agriculture, Japan
Prof. dr Pandi Zdruli, Land and Water Resources Department; IAMB, Italy
Prof. dr Mladen Todorovic, Land and Water Resources Department; IAMB, Italy
Dr. Hamid El Bilali, CDR, University of Natural Resources and Life Sciences (BOKU), Vienna, Austria
Prof. dr Maksym Melnychuk, National Academy of Agricultural Science of Ukraine, Ukraine
Prof. dr Borys Sorochynskyi, Ukrainian Institute for Plant Variety Examination, Kyiv, Ukraine
Dr. Lorenz Probst, CDR, University of Natural Resources and Life Sciences (BOKU), Vienna, Austria
Prof. dr Mohsen Boubaker, High Institute of Agronomy of Chott Meriem, Sousse, Tunisia
Dr. Noureddin Driouech, Coordinator of MAIB Alumni Network (FTN), Mediterranean Agronomic Institute of Bari, Italy
Prof. dr Ion Viorel, University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania
Prof. dr Chuleemas Boonthai Iwai, Faculty of Agriculture, Khon Kaen University, Thailand
Prof. dr Wathuge T.P.S.K. Senarath, Department of Botany, University of Sri Jayewardenepura, Colombo, Sri Lanka
Dr. Hamada Abdelrahman, Soil Science Dept., Faculty of Agriculture, Cairo University, Egypt
Prof. dr Maya Ignatova, Agricultural Academy – Sofia, Bulgaria
Prof. dr Ioannis N. Xynias, School of Agricultural Technology & Food Technology and Nutrition, Western Macedonia University of Applied Sciences, Greece
PhD ing. Artur Rutkiewicz, Faculty of Forestry, Warsaw University of Life Sciences – SGGW, Poland
Prof. dr Mohammad Sadegh Allahyari, Islamic Azad University, Rasht Branch, Iran
Dr. Lalita Siri wattananon, Faculty of Agricultural Technology, Rajamangala University of Technology Thanyaburi (RMUTT), Thailand
Prof. dr Konstantin Korlyakov, Perm Agricultural Research Institute, Russia
Dr. Mohammad Farooque Hassan, Shaheed Benazir Bhutto University of Veterinary & Animal Sciences Sakrand, Sindh, Pakistan
Dr. Larysa Prysiashniuk, Ukrainian Institute for Plant Variety Examination, Kyiv, Ukraine
Prof. dr Oksana Kliachenko, National University of Life and Environmental Science of Ukraine, Ukraine
Prof. dr Ivan Simunic, Department of amelioration, Faculty of agriculture, University of Zagreb, Croatia
Dr. Abid Hussain, International Centre for Integrated Mountain Development (ICIMOD), Nepal
Dr. Amrita Ghatak, Gujarat Institute of Development Research (GIDR), India
Prof. dr Naser Sabaghnia, University of Maragheh, Iran
Prof. dr Monica Paula Marin, Department for Animal Husbandry, University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania
Prof. dr Penka Moneva, Institute of Animal Science - Kostinbrod, Bulgaria
Prof. dr Mostafa K. Nassar, Animal husbandry Dept., Faculty of Agriculture, Cairo University, Egypt
Prof. dr Márta Birkás, Full professor, St. Istvan University, Godollo - Hungary
Prof. dr Andrzej Kowalski, Director of the Institute for Agricultural and Food Economy, Warszawa-Poland
Prof. dr Yalcin Kaya, The Director of the Plant Breeding Research Center, University of Trakya, Turkey
Prof. dr Sanja Radonjic, Biotechnical Faculty, University of Montenegro, Montenegro
Prof. dr Zonela Dobrin, Department for Plant Protection, University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania
Prof. dr Inocencio Buot Jr., Institute of Biological Sciences, College of Arts and Sciences, University of the Philippines Los Banos, Philippines
Dr. Karol Wajszczuk, Poznan University of Life Sciences, Poland
Dr. Redouane Choukr-Allah, International Center for Biosaline Agriculture (ICBA), United Arab Emirates
Prof. dr Mohammad Al-Mamun, Department of Animal Nutrition, Bangladesh Agricultural University, Bangladesh
Prof. dr Anucha Wittayakorn-Puripunpinyoo, School of Agriculture and Co-operatives, Sukhothai Thammathirath Open University, Nonthaburi, Thailand
Prof. dr Nedeljka Nikolova, Institute for Animal Science, Ss. Cyril and Methodius University in Skopje, Republic of Macedonia
Prof. dr Ignacio J. Díaz-Maroto, High School Polytechnic, University of Santiago de Compostela, Spain
Prof. dr Nidal Shaban, University of Forestry Sofia, Bulgaria
Prof. dr Youssif Sassine, Lebanese University Beirut, Lebanon
Prof. dr Cafer Topaloglu, Faculty of Tourism, Mugla Sitki Kocman University, Turkey
Prof. dr Seyed Hamidreza Sadeghi, Faculty of Natural Resources, Tarbiat Modares University, Iran
Prof. dr Mohsen Mohseni Saravi, University of Teheran and Member of WMSI Management Board, Iran
Prof. dr Mahmood Arabkhedri, Soil Conservation and Watershed Management Research Institute and Member of WMSI Management Board, Iran
Prof. dr Ataollah Kaviani, Sari Agricultural Science and Natural Resources University and Member of WMSI Management Board, Iran
Prof. dr Tugay Ayasan, Department of Organic Farming Business Management, Osmaniye, Applied Science School of Kadirli, Osmaniye Korkut Ata University, Turkey
Prof. dr Sakine Ozpinar, Department of Farm Machinery and Technologies Engineering, Faculty of Agriculture, Çanakkale Onsekiz Mart University, Çanakkale, Turkey
Prof. dr Sherein Saeide Abdelgayed, Faculty of Veterinary Medicine, Cairo University, Cairo, Egypt
Prof. dr Zohreh Mashak, Islamic Azad University, Karaj Branch, Iran
Dr. Khalid Azim, National Institute of Agriculture Research, Morocco
Prof. dr Srdjan Lalic, Vice-dean, University of East Sarajevo, Bosnia and Herzegovina

Prof. dr Zeljko Vasko, Faculty of Agriculture, University of Banja Luka, Bosnia and Herzegovina
Prof. dr Kubilay Baştas, Department of Plant Protection, Faculty of Agriculture, Selçuk University, Turkey
Dr. Branka Kresovic, Director of the Maize Research Institute "Zemun Polje", Serbia
Dr. Nenad Delic, Maize Research Institute "Zemun Polje", Serbia
Dr. Milan Stevanovic, Maize Research Institute "Zemun Polje", Serbia
Dr. Svetlana Balesevic-Tubic, Institute of Field and Vegetable Crops Novi Sad, Serbia
Dr. Ana Marjanovic Jeromela, Institute of Field and Vegetable Crops Novi Sad, Serbia
Prof. dr Tatjana Zdralic, Faculty of Agriculture, University of East Sarajevo, Bosnia
Prof. dr Aleksandra Govodarica-Lucic, Faculty of Agriculture, University of East Sarajevo, Bosnia
Prof. dr Desimir Knezevic, University of Pristina, Faculty of Agriculture, Kosovska Mitrovica - Lesak, Kosovo i Metohija, Serbia
Dr. Snezana Mladenovic-Drinic, Maize Research Institute "Zemun Polje", Serbia
Prof. dr Nebojsa Momirovic, Faculty of Agriculture, University of Belgrade, Serbia
Prof. dr. Velibor Spalevic, Faculty of Philosophy, Geography, University of Montenegro
Prof. dr Zoran Jovovic, Biotechnical Faculty, University of Montenegro, Montenegro
Prof. dr Danijel Jug, Faculty of Agriculture, University of Osijek, Croatia
Prof. dr Milan Markovic, Biotechnical Faculty, University of Montenegro, Montenegro
Prof. dr Zeljko Dolijanovic, Faculty of Agriculture, University of Belgrade, Serbia
Dr Dejan Stojanovic, Institute of Lowland Forestry and Environment, Serbia
Dr Dobrovoj Poštić, Institute for plant protection and environment, Belgrade, Serbia
Dr Srdjan Stojnic, Institute of Lowland Forestry and Environment, Serbia

ORGANIZING COMMITTEE

Chairperson: Prof. dr Vesna Milic, Faculty of Agriculture, University of East Sarajevo, Bosnia
Prof. dr Dejan Bokonjic, Vice rector of the University of East Sarajevo, Bosnia
Doc. dr. Dejana Stanic, Dean of the Faculty of Agriculture, University of East Sarajevo, Bosnia
Dr. Maroun El Moujabber, Mediterranean Agronomic Institute of Bari, Italy
Mrs. Rosanna Quagliariello, Mediterranean Agronomic Institute of Bari, Italy
Dr. Nouredin Driouech, Coordinator of MAIB Alumni Network (FTN), Mediterranean Agronomic Institute of Bari, Italy
Prof. dr Aleksandra Despotovic, Biotechnical Faculty Podgorica, University of Montenegro, Montenegro
Dr. Milic Curovic, The journal "Agriculture and Forestry", Biotechnical Faculty Podgorica, University of Montenegro, Montenegro
Dr Ana Marjanović Jeromela, Institute of Field and Vegetable Crops, Serbia
Dr. Oksana Fotina, International Relations Center, Perm State Agro-Technological University, Russia
Dr. Tatiana Lysak, International Relations Office, Voronezh State Agricultural University named after Peter The Great, Russia
Dr. Anastasija Novikova, Faculty of Bioeconomy Development, Vytautas Magnus University, Lithuania
Prof. dr Eng. Teodora Popova, Institute of Animal Science - Kostinbrod, Bulgaria
Prof. dr Mehmet Musa Ozcan, Faculty of Agriculture, Selçuk University, Turkey
Prof. dr Lazar Radovanovic, Faculty of Economics Brcko, University of East Sarajevo, Bosnia and Herzegovina
Prof. dr Nikola Pacinovski, Institute for Animal Science, Ss. Cyril and Methodius University in Skopje, Republic of Macedonia
Dr. Abdulvahed Khaleli Darvishan, Faculty of Natural Resources, Tarbiat Modares University, Iran
Dr. Hamada Abdelrahman, Soil Science Dept., Faculty of Agriculture, Cairo University, Egypt
Dr. Ecaterina Stefan, University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania
Dr. Jeeranuch Sakkhamduang, The International Society of Environmental and Rural Development, Japan
Dr. Raoudha Khanfir Ben Jenana, High Institute of Agronomy of Chott Meriem, Sousse, Tunisia
MSc. Erasmo Velázquez Cigarroa, Department of Rural Sociology, Chapingo Autonomous University, Mexico
MSc. Vedran Tomic, Institute for Science Application in Agriculture, Serbia
Dr. Milan Stevanovic, Maize Research Institute "Zemun Polje", Serbia
Dr. Andrej Pilipovic, Institute of Lowland Forestry and Environment, Serbia
Dr. Nikola Puvaca, Faculty of Economics and Engineering Management University of Business Academy, Serbia
Dr. Sc. Morteza Behzadfar, Tarbiat Modares University, Tehran, Iran
Dr. Larysa Prysiazniuk, Ukrainian Institute for Plant Variety Examination, Kyiv, Ukraine
Mrs Branislavka Boroja, Agricultural Institute of Republic of Srpska - Banja Luka, Bosnia
MSc. Biljana Gruzic, Institute of Agriculture Economics, Serbia
Dr. Marko Gutalj, Faculty of Agriculture, University of East Sarajevo, Bosnia
Prof. dr Miroslav Lalovic, Faculty of Agriculture, University of East Sarajevo, Bosnia
MSc. Milan Jugovic, Faculty of Agriculture, University of East Sarajevo, Bosnia
Mr Igor Djurdjic, Faculty of Agriculture, University of East Sarajevo, Bosnia
MSc. Milena Stankovic, Faculty of Agriculture, University of East Sarajevo, Bosnia
Dr. Stefan Stjepanovic, Faculty of Agriculture, University of East Sarajevo, Bosnia
MSc. Stefan Bojic, Faculty of Agriculture, University of East Sarajevo, Bosnia
MSc. Tanja Jakisic, Faculty of Agriculture, University of East Sarajevo, Bosnia
Mr Tijana Banjanin, Faculty of Agriculture, University of East Sarajevo, Bosnia
Dr. Sinisa Berjan, Faculty of Agriculture, University of East Sarajevo, Bosnia, General secretary

Thursday, October 3rd, 2019
Conference Hall (Hotel Termag)

08:00 - 18:00 - **REGISTRATION**

14:00 - 15:00 - **SYMPOSIUM OPENING CEREMONY**

Representative of the Ministry of Agriculture, Forestry and Water Management of Republic of Srpska

Representative of the Ministry of Scientific - Technological Development, Higher Education and Information Society of Republic of Srpska

Prof. dr Milan Kulic - Rector of the University of East Sarajevo

Prof. dr Dusan Kovacevic - President of the Scientific Committee

Prof. dr Vesna Milic - President of the Organizing Committee

Dr Noureddin Driouech - Representative of the Mediterranean Agronomic Institute of Bari (IAMB), Italy

Mr. Nenad Vukovic - Mayor of the City of East Sarajevo

15:00 - 16:00 - **COCKTAIL**

16:00 - 17:30 KEYNOTE PAPERS

Working committee

Chairpersons: Hamid El BILALI, Novo PRZULJ, Miodrag DIMITRIJEVIC, Noureddin DRIOUECH

16:00 - 16:20 - **THE IMPACT OF GENOME EDITING ON CROP IMPROVEMENT**

Matthew R. WILLMANN

16:20 - 16:40 - **DEVELOPMENT AND PERSPECTIVES OF ORGANIC AGRICULTURE - PRODUCTION AND ECONOMIC ASPECTS**

Magdaléna LACKO-BARTOŠOVÁ

16:40 - 17:00 - **THE FAILURES OF GENETICALLY MODIFIED ORGANISMS (GMOS)**

John PAULL

17:00 - 17:30 - **DISCUSSION**

18:00 - 19:00 - **CONCERT OF TRADITIONAL MUSIC (Hotel Vucko)**

20:00 **DINNER AT HOTEL AND ENTERTAINMENT EVENING (Live music in Hotel Vucko)**



Friday, October 4th, 2019
Conference Hall A (Hotel Termag)

PLANT PRODUCTION 1a

09:00 - 18:00 - REGISTRATION

Working committee

Chairperson: Novo PRŽULJ

09:00 - 09:10 **INTERACTIONS OF CATCH CROPS AND THEIR INFLUENCE ON YIELD OF MAIZE AND WINTER WHEAT IN DIFFERENT CROP ROTATIONS**, Jonas GROSS, Johannes BRUNNER, Bettina FAEHNRICH, Bernhard BAUER

09:10 - 09:20 **VARIABILITY OF LENGTH OF SPIKE AND NUMBER OF SPIKELETS PER SPIKE IN WHEAT (*Triticum aestivum* L.)**, Desimir KNEZEVIC, Danica MICANOVIC, Veselinka ZECEVIC, Gordana BRANKOVIC, Danijela KONDIC, Adriana RADOSAVAC, Mirela MATKOVIC STOJSIN, Sretenka SRDIC, Srdjan ATANASIJEVIC, Dusan UROSEVIC

09:20 - 09:30 **RICE LOSSES CHARACTERISTICS IN VARIOUS HARVESTING METHODS**, Alireza ALLAMEH, Mohammad Reza ALIZADEH

09:30 - 09:40 **SINGLE-PLANT SELECTION AT ULTRA-LOW DENSITY OF FIRST GENERATION LINES OF THREE BEAN CULTIVARS UNDER WATER STRESS**, Fokion PAPANATHANASIOU, Fotini PAPAPOPOULOU, Ioannis MYLONAS, Elisavet NINOÛ, Ioannis PAPAPOPOULOS

09:40 - 09:50 **NUTRITION VALUES OF HULLED AND NAKED OATS AND BAKING QUALITY OF WHEAT-OAT COMPOSITE FLOURS**, Soňa GAVURNÍKOVÁ, Michaela HAVRLENTOVÁ

09:50 - 10:00 **BIODIVERSITY OF CHICKPEA: BLACK CHICKPEA**, Ali KAHRAMAN

10:00 - 10:15 **DISCUSSION**

10:15 - 10:30 **PAUSE**

Working committee

Chairperson: Desimir KNEZEVIC, Zoran JOVOVIC

10:30 - 10:40 **GRAIN YIELD, YIELD COMPONENTS, MACRO AND MICROELEMENTS VARIATION ANALYSIS IN WHEAT GROWN ON SOLONETZ SOIL**, Miodrag DIMITRIJEVIĆ, Sofija PETROVIĆ, Borislav BANJAC, Petar SEKULIĆ

10:40 - 10:50 **COMPARISON OF SPECIES COMPOSITION OF VASCULAR PLANTS IN AGROFORESTRY SYSTEM**, Helena HANUSOVA, Jan WINKLER, Lucie CHMELIKOVA, Nicole MAIER, Kurt-Jürgen HÜLSBERGEN

10:50 - 11:00 **QUALITATIVE ANALYSIS OF SUNFLOWER SEEDING IN REDUCED SOIL TILLAGE USING PRECISION AGRICULTURE SYSTEM**, Stanko OPARNICA, Vladimir VIŠACKI, Jan TURAN, Ondrej PONJIČAN, Aleksandar SEDLAR, Rajko BUGARIN

11:00 - 11:10 **SPIKE DEVELOPMENTAL STAGES AND ABA ROLE IN SPIKELET PRIMORDIA ABORTION CONTRIBUTE TO THE FINAL YIELD IN BARLEY (*HORDEUM VULGARE* L.)**, Faiza BOUSSORA, Mohamed ALLAM, Ferdaous GUASMI, Ali FERCHICHI, Twan RUTTEN, Mats HANSSON, Helmy M. YOUSSEF, Andreas BÖRNER

11:10 - 11:20 **PHENOLOGICAL DEVELOPMENT OF WINTER BARLEY**, Novo PRŽULJ, Vojislava MOMČILOVIĆ, Milan MIROSAVLJEVIĆ, Zoran JOVOVIĆ, Dragan MANDIĆ

11:20 - 11:30 **ASSESSMENT OF CEREAL SPECIES BASED ON YIELD AND AGRO-PHYSIOLOGICAL PARAMETERS UNDER RAINFED CONDITION**, İrfan ÖZTÜR

11:30 - 11:45 **DISCUSSION**

11:45 - 12:00 **PAUSE**

Working committee

Chairpersons: Sofija PETROVIC

12:00 - 12:10 **EFFECT OF THE 1BL.1RS WHEAT-RYE CHROMOSOMAL TRANSLOCATION IN BREAD WHEAT CULTIVARS ON PHYSIOLOGICAL TRAITS**, Fokion PAPATHANASIOU, Ioannis TASIOS, Dimitrios TRAKOSIARHS, Fani KOYTZOYRA, Athanasios G. MAVROMATIS, Chryssanthi I. PANKOU, Ioannis N. XYNIAS

12:10 - 12:20 **DIFFERENTIATION OF MAIZE LINES WITH HIGH CONTENT OF CAROTENOIDS USING PROTEIN AND DNA MARKERS**, Larysa PRYSIAZHNIUK, Yurii HONCHAROV, Yuliia SHYTIKOVA, Oksana TOPCHII, Snizhana OTROSHKO

12:20 - 12:30 **EFFECT OF THE 1BL.1RS WHEAT-RYE CHROMOSOMAL TRANSLOCATION ON YIELD POTENTIAL IN BREAD WHEAT**, Ioannis N. XYNIAS, Ioannis E. TASIOS, Evangelos G. KORPETIS, Chrysa PANKOU, Ilias AVDIKOS, Athanassios G. MAVROMATIS

12:30 - 12:40 **EVALUATION OF RAPE SEED GENETIC DIVERSITY AND CREATION OF DROUGHT-RESISTANT GENOTYPES USING IN VITRO CELL CULTURE**, Oksana KLYACHENKO, Larysa PRYSIAZHNIUK, Tetiana DUDKA

12:40 - 13:00 **DISCUSSION**

13:00 - 14:00 **Mountain cable car ride**

14:00 - 15:30 **Lunch Break**

Working committee

Chairpersons: Miodrag DIMITRIJEVIC, Aleksandra GOVEDARICA LUCIC

15:30 - 15:40 **EFFECT OF FOLIAR APPLICATION OF SELENIUM ON ITS UPTAKE AND YIELDS IN BASILS**, Ivana MEZEYOVA, Alžbeta HEGEDUSOVA, Ondrej HEGEDUS, Ján Farkaš, Miroslav ŠLOSAR, Ján MEZEY

15:40 - 15:50 **THE EFFECT OF DROUGHT STRESS ON FRUIT AND SEED COLOR IN PUMPKIN (*Cucurbita pepo* L.) GENOTYPES**, Musa SEYMEN, Önder TÜRKMEN, Duran YAVUZ, Atila DURSUN, Ertan Sait KURTAR

15:50 - 16:00 **BREEDING VEGETABLE ROOTSTOCKS TOWARD COPING WITH BIOTIC AND ABIOTIC STRESSES**, Rezq BASHEER-SALIMIA, Doaa' NAJAJREH

16:00 - 16:10 **EFFECT OF CULTIVAR ON THE YIELD AND ANTIOXIDANT ACTIVITY OF OKRA (*Abelmoschus esculentus* L. Moench) GROWN IN SLOVAK REPUBLIC**, Miroslav ŠLOSAR, Ondrej HEGEDUS, Ivana MEZEYOVA, Alžbeta HEGEDUSOVA, Ján FARKAŠ

16:10 - 16:20 **INVESTIGATION OF THE EFFECT OF CALCIUM APPLICATIONS ON PLANT DEVELOPMENT OF PEPPER PLANT IN SALT STRESS**, Fikret YASAR, Ozlem UZAL

16:20 - 16:30 **NITROGEN FIXATION IN LEGUMES AND CHANGES IN CLIMATE**, Mustafa ONDER, Ali KAHRAMAN

16:30 - 16:45 **DISCUSSION**

16:45 - 17:00 **PAUSE**

Working committee

Chairperson: Ioannis N. XYNIAS

17:00 - 17:10 **THE POTENTIAL APPLICATION OF ARTEMISIA JUDAICA L. (SSP.SAHARIENSIS) ESSENTIAL OILS AS ALTERNATIVE COSMETIC PRESERVATIVE**, Kadda HACHEM, Bankaddour ZERAGUI, Nouredine HALLA, Yasmína BENABDESSELEM, Khaled KAHLOULA

17:10 - 17:20 **IN-DEPTH BRAIN PHOSPHOPROTEOME STUDY REVEALS NEUROBIOLOGICAL UNDERPINNINGS FOR FORAGER HONEYBEE WORKERS (*APIS MELLIFERA LIGUSTICA*)**, Haitham RAMADAN, Jianke LI

17:20 - 17:30 **THE FIRST RECORD OF RATTUS NORVEGICUS ON THE ISLAND OF CYPRUS AND THE EXPECTED EFFECT ON AGRICULTURE AND LOCAL BIOTA,**
Eleftherios HADJISTERKOTIS, George KONSTANTINOU, Daria SANNA, Monica PIRASTRU, Paolo MEREU

17:30 - 17:40 **MONITORING THE GROWTH AND QUALITY OF JAPANESE GREEN TEA BY UAV IMAGERY,** Ayako SEKIYAMA, Kiyohisa SATO, Sawahiko Shimada, Tomonori FUJIKAWA

17:40 - 17:50 **DISCUSSION**

17:50 - 18:00 **PAUSE**

18:00 - 18:30 **POSTER SESSION**

20:00 **Gala dinner (live music and tasting of traditional and typical products)**

Friday, October 4th, 2019
Conference Hall B (Hotel Termag)

PLANT PRODUCTION 1b

09:00 - 18:00 - REGISTRATION

Working committee

Chairperson: Mehmet Musa OZCAN, Larysa PRYSIAZHNIUK

09:00 - 09:10 **EFFECTS OF SHOOT TIP SIZE ON VIRUS ELIMINATION IN GRAPES**, Simin ULAS, Serkan ÖNDER, Akay ÜNAL

09:10 - 09:20 **EFFECTS OF DIFFERENT SOIL TYPES ON SOME FRUIT PHYSICAL TRAITS OF 'KETEN GOMLEGİ' PISTACHIO CULTIVAR**, Ahmet CELİK, Bekir Erol AK

09:20 - 09:30 **EFFICACY OF MULTILAYER CROPPING ON FIG PRODUCTION IN ARID CONDITIONS OF KUWAIT**, Hani. A. AL-ZALZALEH, Gladson DCRUZ

09:30 - 09:40 **ABSCISIC ACID AND IRRIGATION LEVELS EFFECTS ON MORPHOLOGICAL CHARACTERISTICS OF STRAWBERRY**, Burçak KAPUR, Eser CELİKTOPUZ, Mehmet Ali SARIDAS, Abdul Qaiyom SARWARI, Sevgi Paydaş KARGI

09:40 - 09:50 **DETECTING THE BERRY SIZE RESPONSES IN TWO STRAWBERRY CV. BY USING DIFFERENT IRRIGATION LEVELS AND BIO-ACTIVATOR**, Eser ÇELİKTOPUZ, Burçak KAPUR, Mehmet Ali SARIDAŞ, Sevgi PAYDAŞ KARGI, Bülent ÖZEKİCİ, Müge ERKAN CAN, UĞUR KEKEÇ

09:50 - 10:00 **THE IMPACT OF LIGHT PENETRATION INTO CANOPY AND SEASONALITY ON PHOTOSYNTHETIC INDICES IN APPLE TREE LEAVES**, Kristina LAUŽIKĖ, Giedrė SAMUOLIENĖ, Nobertas USELIS

10:00 - 10:15 DISCUSSION

10:15 - 10:30 PAUSE

Working committee

Chairperson: Fokion PAPHATHANASIOU

10:30 - 10:40 **OLIVE PRODUCTION AND TRAITS OF MAIN CULTIVARS GROWN IN SOUTHEAST ANATOLIAN PART OF TURKEY**, Bekir Erol AK, Ebru SAKAR. Sehnaz KORKMAZ

10:40 - 10:50 **THE TRAITS OF PISTACHIO ROOTSTOCKS AND THEIR IMPORTANCE**, Bekir Erol AK

10:50 - 11:00 **META-ANALYSIS OF THE YIELD RESPONSE TO PHOSPHORUS FERTILIZATION BASED ON LONG-TERM FIELD EXPERIMENTS**, Uwe BUCZKO, Kristin STEINFURTH, Michael VAN LAAK

11:00 - 11:10 **STIMULATION OF SECONDARY METABOLITES BIOSYNTHESIS IN PLANTS BY COLD PLASMA AND ELECTROMAGNETIC FIELD**, Rasa ZUKIENE, Anatolii IVANKOV, Zita NAUCIENE, Laima DEGUTYTE-FOMINS, Vida MILDAZIENE

11:10 - 11:20 **SUSTAINABLE SOIL USAGE: LEGUMES AND HEAVY METALS**, Ali KAHRAMAN

11:20 - 11:30 **BIODIVERSITY ON PASTURES: HUNTING AND SOCIO-ECONOMIC DIMENSIONS**, Serpil ONDER, Ali KAHRAMAN

11:30 - 11:45 DISCUSSION

13:00 - 14:00 Mountain cable car ride

14:00 - 15:30 Lunch Break

18:00 - 18:30 POSTER SESSION

20:00 Gala dinner (live music and tasting of traditional and typical products)

X International Scientific Agriculture Symposium "Agrosym 2019"
agrosym.ues.rs.ba

Friday, October 4th, 2019
Conference Hall C (Hotel Termag)

PLANT PROTECTION AND FOOD SAFETY 1a

09:00 - 18:00 - REGISTRATION

Working committee

Chairperson: Sanja LAZIC, Dragana SUNJKA

09:00 - 09:10 **STUDY OF THE SURVIVAL OF BACILLUS CEREUS IN LOW-ACID CANNED VEGETABLES**, Zinaida YEGOROVA, Anastasia NIKITENKO

09:10 - 09:20 **INTERCROPPING ENHANCES CROP YIELDS AND DISEASES RESISTANCE VIA IMPROVING CROP NUTRITION**, Xiaojin ZOU, Zhanxiang SUN, Wentao SUN, Huiyu LIU, Long LI

09:20 - 09:30 **PREVENTIVE APPROACH FOR MICROBIAL CONTROL OF CAPNODIS TENEBRIONIS WITH ENTOMOPATHOGENIC FUNGI**, Hysen KOKICI, Dana MENT, Enrico de LILLO

09:30 - 09:40 **EFFECTS OF MYCORRHIZAL FUNGI ON THE LEAF NUTRIENT, GROWTH AND HEALTHINESS OF TOMATO PLANTS**, Agnieszka JAMIOŁKOWSKA, Ali Hamood THANOON, Barbara SKWARYŁO-BEDNARZ, Marek KOPACKI

09:40 - 09:50 **CORNERSTONE OF STRATEGY AIMED ON CREATION OF RESISTANT VARIANTS OF GARDEN CARROT (*DAUCUS CAROTA* L.) TO WHITE AND GRAY ROT PATHOGENS IN FGBNU FNCO**, Irina ENGALYCHEVA, Elena KOZAR, Alexandr USHAKOV

09:50 - 10:00 **ANALYSIS OF FUNGICIDES BOSCALID AND PYRACLOSTROBIN RESIDUES IN LETTUCE AND SPINACH**, Sanja LAZIC, Dragana SUNJKA, Dragana BOŠKOVIC, Monika TOMŠIK, Denis GRNČA, Slavica VUKOVIC, Antonije ŽUNIC

10:00 - 10:15 **DISCUSSION**

10:15 - 10:30 **PAUSE**

Working committee

Chairperson: Dragana SUNJKA, Sanja LAZIC

10:30 - 10:40 **POTENTIAL OF AQUEOUS EXTRACTS FROM SOME PLANTS FOR THE CONTROL OF PLANT PARASITIC NEMATODES, HETERODERA AVENAE, PRATYLENCHUS THORNEI AND PRATYLENCHUS PENETRANS**, Ece B. KASAPÖĞLU ULUDAMAR, Adem Ş. TAŞKIN, İ. Halil ELEKCİOĞLU

10:40 - 10:50 **MOLECULAR PHYLOGENY OF FUSARIUM OXYSPORUM SPECIES COMPLEX ISOLATED FROM EGGPLANT AND PEPPER IN TURKEY**, Hacer Handan ALTINOK Muhammed Bahattin TANYOLAÇ, Duygu ATEŞ, Canan CAN, Hilal ÖZKILINÇ

10:50 - 11:00 **EFFECT OF XENORHABDUS SPP. AND PHOTORHABDUS SPP. BACTERIAL METABOLITES AGAINST TETRANYCHUS URTICAE (ACARI: TETRANYCHIDAE) AND PREDATORY MITES**, İbrahim ÇAKMAK, Selcuk HAZIR, Duygu CEVIZCI, Ceren EROĞLU, Harun CİMEN, Derya ULUG, Mehmet KARAGOZ

11:00 - 11:10 **EFFECTS OF AGRICULTURAL PRACTICES ON STICKY TRAP CAPTURE RATES OF WHITEFLIES**, Mahmut Alper ALTINOK, Merve G. SALMA

11:10 - 11:20 **EVALUATION OF THE DAMAGE RATES OF LEOPARD MOTH, ZEUZERA PYRINA L. (LEPIDOPTERA: COSSIDAE) ON DIFFERENT OLIVE VARIETIES IN TURKEY**, Nihat DEMİREL

11:20 - 11:30 **POPULATION GROWTH PERFORMANCE OF TYPHLODROMUS ATHIASAEURTICAE (ACARI: PHYTOSEIIDAE, TETRANYCHIDAE) AT DIFFERENT TEMPERATURES**, İsmail KASAP, Remzi ATLIHAN

11:30 - 11:45 **DISCUSSION**

11:45 - 12:00 **PAUSE**

X International Scientific Agriculture Symposium "Agrosym 2019"
agrosym.ues.rs.ba

Working committee

Chairperson: Zeljko DOLIJANOVIC

- 12:00 - 12:10** **THE ECOLOGICAL FORMULATION OF A PESTICIDE MANUFACTURED BY JSC SCHELKOVO AGROHIM ON THE EXAMPLE OF THE HERBICIDE ZONTRAN CSC.,** Salis KARAKOTOV, Elena ZHELTOVA, Sergey KLISHIN
- 12:10 - 12:20** **EFFECT OF DIFFERENT THICKENING AGENTS ON FREEZE-THAW STABILITY OF FOOD SYSTEMS WITH MODIFIED MAIZE STARCH,** Mina DZHIVODEROVA-ZARCHEVA, Kremena NIKOVSKA, Raina HADJIKINOVA, Vesela SHOPSKA
- 12:20 - 12:30** **BIOCONTROL OF STRAWBERRY GREY MOLD USING PEPPER EXTRACTS,** Lina ŠERNAITĖ, Alma VALIUŠKAITĖ, Neringa RASIUKEVIČIŪTĖ, Edita DAMBRAUSKIENĖ, Pranas VIŠKELIS
- 12:30 - 12:40** **DISCUSSION**
- 13:00 - 14:00** **Mountain cable car ride**
- 14:00 - 15:30** **Lunch Break**

Working committee

Chairpersons: Milena SIMIC

- 15:30 - 15:40** **COMPETITIVE ABILITY OF ALSINE MEDIA L. IN THE AUTUMN AND EARLY-SPRING SOWN CROPS,** Zvonko PACANOSKI, Arben MEHMETI
- 15:40 - 15:50** **PERFORMANCE OF SAFFRON ON DIFFERENT SOILS UNDER HOMOGENEOUS ENVIRONMENTAL CONDITION,** Abdel Kader EL HAJJ, Soha OLEIK, Oxana BAGHDADI, Nour TAHA, Vera TALJ, Hanaa CHEHABELDEIN, Tamim ELTAKICH
- 15:50 - 16:00** **LOW TEMPERATURE TOLERANCE OF PLODIA INTERPUNCTELLA, SITOPHILUS ORYZAE AND SITOPHILUS ZEAMAI, THE PREVAILENT PESTS OF STORED MAIZE IN SERBIA,** Sonja GVOZDENAC, Snežana TANASKOVIĆ, Jelena OVUKA, Filip VUKAJLOVIĆ, Petar ČANAK, Dejan PRVULOVIĆ
- 16:00 - 16:10** **ULTRASOUND PRETREATMENT APPROACH: MATHEMATICAL MODELING OF POTATO SLICES,** Ahmet POLAT, Nazmi IZLI
- 16:10 - 16:20** **SUSTAINABLE PESTICIDE USAGE IN FARMING LEGUMES,** Mustafa ONDER, Ali KAHRAMAN
- 16:20 - 16:30** **MACRO AND MICRO ELEMENT CONTENTS OF SOME HERB AND CONDIMENTS,** Nurhan USLU, Mehmet Musa ÖZCAN, Mustafa HARMANKAYA, Nesim DURSUN, Mustafa Mete ÖZCAN, Durmuş Ali CEYLAN, Fatma GÖKMEN
- 16:30 - 16:45** **DISCUSSION**
- 16:45 - 17:00** **PAUSE**

Working committee

Chairpersons: Dusan KOVACEVIC

- 17:00 - 17:10** **ASSESSMENT OF CHEMICAL PROPERTIES OF FLOUR FROM FOUR ACCESSIONS OF HINGURALA (*DIOSCOREA ALATA*),** Jagath JAYASINGHE, Hansini BATUWITA, Rupika PERERA
- 17:10 - 17:20** **USAGE OF PARSLEY POWDER AS AN ALTERNATIVE CURING AGENT IN FERMENTED SUCUK PRODUCTION,** Ali Samet BABAĞLU, Mustafa KARAKAYA
- 17:20 - 17:30** **POSSIBILITIES OF USING KEFIR IN YAYIK BUTTER PRODUCTION,** Elif Ayse ANLI, Ebru SENEL, Tuba SANLI
- 17:30 - 17:40** **NUTRITIONAL CONTENT OF BEE BREAD (PERGA) FROM NEW DISCOVERED HONEYBEE PRODUCTS,** Sibel SİLİCİ
- 17:40 - 17:50** **DISCUSSION**
- 17:50 - 18:00** **PAUSE**

18:00 - 18:30 POSTER SESSION

20:00 Gala dinner (live music and tasting of traditional an typical products)

Friday, October 4th, 2019
Conference Hall B (Hotel Termag)

PLANT PROTECTION AND FOOD SAFETY 1b

Working committee

Chairpersons: Snezana MLADENOVIC DRINIC

15:30 - 15:40 **MAXIMIZE UTILIZATION OF SAND SMELT FISH AND SOME FISH PROCESSING WASTES AS A SOURCE OF OMEGA-3-RICH OILS**, Khaled SELIM, Nady EL-NAYRY, Lila RABEE, Adel ABDEL-RAZEK

15:40 - 15:50 **PESTICIDE RESIDUES IN COW MILK AND DAIRY PRODUCTS FROM THE MAJOR MILK PRODUCING AREA OF SRI LANKA**, Jagath JAYASINGHE, Samudra PATHIRANA, Dhammi DILHANI, Senevirathne NAVARATHNA, Manoj SINHAPURA, Chamila JAYASINGHE, Rohana CHANDRAJITH, Upul MARAPANA

15:50 - 16:00 **HAZARDS RELATED TO FOOD SAFETY**, Yasin AKKEMİK

16:00 - 16:10 **THE EFFECTS OF PROBIOTICS ON PUBLIC HEALTH**, Yasin AKKEMİK

16:10 - 16:20 **THE EFFECT OF SOME CHEMICAL ADDITIVES ON THE FOAMING PERFORMANCE OF THE PASTEURIZED LIQUID EGG WHITE**, Mehmet Musa ÖZCAN, Hatice Kübra YAVUZ

16:20 - 16:30 **OPTIMIZATION OF ENZYMATIC EXTRACTION CONDITION OF PECTIN FROM POMEGRANATE PEEL**, Halenur KELES, Özlem AKPINAR

16:30 - 16:45 **DISCUSSION**

16:45 - 17:00 **PAUSE**

Working committee

Chairpersons: Nouredin DRIOUECH

17:00 - 17:10 **COMPARISON OF THE BIOACTIVITY OF PROPOLIS EXTRACTED BY OLIVE OIL PRODUCED BY DIFFERENT PRODUCTION PROCESSES**, Sibel SİLİCİ

17:10 - 17:20 **DIFFERENT ASPECTS OF NON-STANDARD FOLIAR FERTILIZERS BASED ON AMINO ACIDS, PHYTOHORMONES AND PLANT EXTRACTS**, Bogdan NIKOLIĆ, Hadi WAISI, Vesna Dragičević, Sanja ĐUROVIĆ, Bojan JANKOVIĆ, Maja PAGNAZZO, Vladan JOVANOVIĆ

17:20 - 17:30 **DISCUSSION**

18:00 - 18:30 **POSTER SESSION**

20:00 Gala dinner (live music and tasting of traditional an typical products)

Friday, October 4th, 2019
Conference Hall H (Hotel Termag - Koliba)

ORGANIC AGRICULTURE

09:00 - 18:00 - REGISTRATION

Working committee

Chairpersons: Nouredin DRIOUECH, Snjezana OLJACA

15:30 - 15:40 **INTERCROPPING ENHANCES PRODUCTIVITY AND SUSTAINABILITY OF AGROECOSYSTEMS**, Long LI

15:40 - 15:50 **ORGANIC BEEKEEPING DEVELOPMENT IN LATVIA**, Ligita MELECE, Ilze SHENA

15:50 - 16:00 **ORGANIC FARMING IN LITHUANIA – THE FUTURE OF THE CAP IN ENVIRONMENT PROTECTION**, Daiva ŠILEIKIENĖ, Laima ČESONIENĖ, Tomas DEMIKIS

16:00 - 16:10 **AGRICULTURAL UTILISATION OF BIOWASTES AND BIODEGRADABLE WASTES**, Monika JAKUBUS

16:10 - 16:20 **ORGANIC AGRICULTURE IN CENTER REGION OF PORTUGAL: THE BEIRA LITORAL AND LIS VALLEY DISTRICT CASE STUDY**, Maria de Fátima OLIVEIRA, Jorge BULHA, José MENDES, Susana FERREIRA, Rosa GUILHERME, António DINIS FERREIRA, Rodolfo BERNABEU, José Manuel GONÇALVES, Francisco GOMES DA SILVA

16:20 - 16:30 **THE USE OF FUNGI OF THE GENUS TRICHODERMA TO REDUCE THE INFECTIOUS BACKGROUND OF THE SOIL**, Anna MARKAROVA, Maria MARKAROVA, Sergey NADEZHKIN, Oleg RAZIN

16:30 - 16:40 **SOME ASPECTS OF THE ORGANIC FOOD MARKET IN SERBIA**, Tatjana BRANKOV, Stanislav ZEKIC, Marija JEREMIC, Bojan MATKOVSKI

16:40 - 17:00 **DISCUSSION**

17:00 - 17:20 **PAUSE**

17:20 - 17:50 **POSTER SESSION**

20:00 **Gala dinner (live music and tasting of traditional an typical products)**

Friday, October 4th, 2019
Conference Hall E (Hotel Vucko)

ENVIRONMENT PROTECTION AND NATURAL RESOURCES MANAGEMENT 1a

09:00 - 18:00 - REGISTRATION

Working committee

Chairperson: Hamid EL BILALI

09:00 - 09:10 **RECYCLING OF PACKAGING MATERIALS TO OBTAIN AN OENOLOGICAL ADJUVANT**, Vito Michele PARADISO, Concetta Eliana GATTULLO, Ignazio ALLEGRETTA, Giuseppe NATRELLA, Mirella NOVIELLO, Giuseppe GAMBACORTA, Roberto TERZANO

09:10 - 09:20 **CLIMATE CHANGE ADAPTATION OPTIONS IN LATVIA'S AGRICULTURE**, Ligita MELECE, Ilze SHENA

09:20 - 09:30 **BROWNFIELDS AS ENVIRONMENTAL QUALITY INDICATOR: CASE OF LATVIA**, Velta PARSOVA, Vivita PUKITE

09:30 - 09:40 **INFLUENCE OF INTENSIVE AND SUSTAINABLE FARMING SYSTEMS ON NITROGEN AND CARBON CYCLES IN LITHUANIAN PEATLAND**, Gediminas STAUGAITIS, Andrius ŠARKA

09:40 - 09:50 **THE INFLUENCE OF GRANULATED ASH ON SOIL AND PLANTS**, Kristina BUNEVIČIENĖ, Romas MAŽEIKA

09:50 - 10:00 **RECLAMATION PROCESS OF DEGRADATION LAKES RESERVOIRS**, Laima ČESONIENE, Daiva ŠILEIKIENE

10:00 - 10:15 DISCUSSION

10:15 - 10:30 PAUSE

Working committee

Chairperson: Otilija MIŠECKAITE

10:30 - 10:40 **CHALLENGES IN ASSESSING EFFICIENT MANAGEMENT OF NATURAL WETLANDS AND NATURE PROTECTED AREAS**, Bojan SRĐEVIĆ, Laslo GALAMBOŠ, Zorica SRĐEVIĆ, Jasna GRABIĆ

10:40 - 10:50 **IMPACT OF GRAZING ON SOIL ORGANIC MATTER AND PHYSICAL PROPERTIES OF A FLUVISOL IN NORTHWEST SERBIA**, Branka KRESOVIĆ, Boško GAJIĆ, Angelina TAĐANAROVA, Snežana DRAGOVIĆ, Ranko DRAGOVIĆ, Borivoj PEJIĆ, Ljubomir ŽIVOTIĆ

10:50 - 11:00 **MERCURY CONTENT IN AGRICULTURAL SOILS AND FIELD CROPS OF CENTRAL SERBIA**, Jordana NINKOV, Stanko MILIĆ, Jelena MARINKOVIĆ, Jovica VASIN, Branka MIJIĆ, Milorad ŽIVANOV, Dragana BJELIĆ

11:00 - 11:10 **EFFECTS OF GREEN SILVER NANOPARTICLES ON COMMON BEAN (*PHASEOLUS VULGARIS*) CROP**, Raoudha KHANFIR BEN JENANA, Siwar JEBRIL, Chérif DRIDI

11:10 - 11:20 **THE PLACE OF GREEN PRODUCTION IN ENVIRONMENTAL PROTECTION AND NATURAL RESOURCE MANAGEMENT**, Sertaç ARIDurmuş Ali CEYLAN

11:20 - 11:30 **IMPROVING SEED TREATMENT METHODS: A KEY FACTOR TO REDUCE THE RISK IN HONEY BEES AND OTHER POLLINATORS TO MAINTAIN BIODIVERSITY**, Hayder ABDELGADER

11:30 - 11:45 DISCUSSION

11:45 - 12:00 PAUSE

Working committee

Chairperson: Otilija MISECKAITE

- 12:00 - 12:10** **HYDROMETEOROLOGICAL DROUGHT HAZARD AND VULNERABILITY ASSESSMENT FOR NORTHERN BULGARIA**, Kalina RADEVA, Nina NIKOLOVA
- 12:10 - 12:20** **TREATMENT OF THE ROOT VEGETABLES WASH WATER IN LITHUANIA**, Midona DAPKIENE, Algirdas RADZEVICIUS
- 12:20 - 12:30** **POTENTIALS OF PRODUCED WATER *BACILLUS SP.* FOR PHA PRODUCTION AND PLANT GROWTH PROMOTION**, Nazia JAMIL, Dur-e-SHAHWAR, Rafeya SOHAIL
- 12:30 - 12:40** **DISCUSSION**
- 13:00 - 14:00** **Mountain cable car ride**
- 14:00 - 15:30** **Lunch Break**

Working committee

Chairperson: John PAULL

- 15:30 - 15:40** **SOY-BASED VEGAN BURGER: FROM WASTE TO PRODUCTION**, Seyedmahmood RAZAVIZADEH, Alviya SALASEVICIENE, Gitana ALENCIKIENE, Lina VAICIULYTE-FUNK
- 15:40 - 15:50** **GAS SENSORS APPLICATION FOR THE DETECTION OF VARROA DESTRUCTOR IN HONEYBEE COLONIES**, Andrzej SZCZUREK, Monika MACIEJEWSKA, Beata BAK, Jakub WILK, Jerzy WILDE, Maciej SIUDA
- 15:50 - 16:00** **COST AND ENVIRONMENTAL EFFICIENCY IN MEASURING THE ECO-EFFICIENCY PERFORMANCE OF WINTER TRITICALE PRODUCTION**, Jerzy BIENKOWSKI, Małgorzata HOLKA
- 16:00 - 16:10** **METAGENOMIC APPROACH TO ANALYZE ENVIRONMENTAL BIOFILM COMMUNITIES**, Tomasz CŁAPA, Dorota NAROŻNA, Damian NIKODEM, Jakub MICHALSKI
- 16:10 - 16:20** **ESTIMATION OF CLIMATE CHANGE IMPACTS ON EVAPOTRANSPIRATION BY USING DIFFERENT METHODS**, Muhammet AZLAK, Levent ŞAYLAN
- 16:20 - 16:30** **LAND SUITABILITY ANALYSIS FOR EMERGING FRUIT CROPS IN CENTRAL PORTUGAL USING GIS**, Luís QUINTA-NOVA, Dora FERREIRA
- 16:30 - 16:45** **DISCUSSION**
- 16:45 - 17:00** **PAUSE**

Working committee

Chairpersons: John PAULL

- 17:00 - 17:10** **SUSTAINABILITY OF RICE PRODUCTION SYSTEMS: AGRO-ECONOMIC ANALYSIS OF BAIXO MONDEGO AND LIS IRRIGATION DISTRICTS, PORTUGAL**, Fátima OLIVEIRA, Pedro REIS, Sérgio OLIVEIRA, António JORDÃO, António RUSSO, Henrique DAMÁSIO, Rui EUGÉNIO, José PAIXÃO, Filipe MELO, Manuel NUNES, Margarida TEIXEIRA, Kiril BAHCEVANDZIEV, José M. GONÇALVES
- 17:10 - 17:20** **FOOD WASTE IN PORTUGAL – A PUBLIC POLICY WITH THE COMMITMENT OF ALL SOCIETY**, Nuno Vieira E BRITO, P. BICO, C. BRANDAO
- 17:20 - 17:30** **FOOD SECURITY IN QATAR: THE BLOCKADE OF 2017 AS AN OPPORTUNITY TOWARDS A PRODUCTIVE AND SUSTAINABLE LOCAL FOOD PRODUCTION**, Tarek BEN HASSEN, Hamid EL BILALI
- 17:30 - 17:45** **DISCUSSION**
- 17:45 - 18:00** **PAUSE**
- 18:00 - 18:30** **POSTER SESSION**
- 20:00** **Gala dinner (live music and tasting of traditional and typical products)**

Friday, October 4th, 2019
Conference Hall F (Hotel Vucko)

ENVIRONMENT PROTECTION AND NATURAL RESOURCES MANAGEMENT 1b

09:00 - 18:00 - REGISTRATION

Working committee

Chairperson: Otilija MIŠEKAITE

09:00 - 09:10 **IMPACT OF *OLEA EUROPAEA* SUBSP *EUROPAEA* VAR *SYLVESTRIS* ON ABUNDANCE AND DISTRIBUTION OF SOIL INVERTEBRATES IN NORTH ALGERIA**, Malika BOUDIAF NAIT KACI, Najet MESTAR, Massiva IOUALITENE, Maya CHERIEF

09:10 - 09:20 **DISPERSION AND BIOACCUMULATION OF HEAVY METALS IN PLANTS AT THE BASIN OF WEST MACEDONIA LIGNITE CENTER, GREECE**, Lazaros TSIKRITZIS, Georgios SAMIOTIS, Konstantinos TSIOPSIAS, Stavros THEOFANIDIS

09:20 - 09:30 **CHRONOSEQUENCE OF NATURAL REGENERATION IN ABANDONED MINING SITES IN THE AMAZON RAINFOREST OF MADRE DE DIOS, PERU**, Edson MORALES, Nobuyuki TANAKA, Martin PILLACA, Francisco ROMÁN-DANOBEYTIJA, Luis E. FERNANDEZ, Miles SILMAN

09:30 - 09:40 **SIMPLIFIED EVAPOTRANSPIRATION MEASUREMENTS USING THE SURFACE RENEWAL METHOD OVER DIFFERENT AGRICULTURAL CROPS**, Kosana SUVOČAREV, Richard L. SNYDER, Giulia MARINO, Daniele ZACCARIA, Colby REAVIS, Michele L. REBA, Benjamin R. K. RUNKLE

09:40 - 09:50 **LITHUANIAN COMPOST QUALITY: PHYSICAL CHARACTERISTICS, NUTRIENT CONTENT, HEAVY METALS AND ORGANIC POLLUTANTS**, Karolina BARČAUSKAITĖ, Romas MAŽEIKA

09:50 - 10:00 **REHABILITATION OF MINING AREAS THROUGH INTEGRATED GREEN BIOTECHNOLOGY APPROACH: THE CASE OF *LABLAB PURPUREUS* (L.) SWEET**, Patrícia VIDIGAL, Fernando MONTEIRO, Maria Manuela ABREU

10:00 - 10:15 DISCUSSION

10:15 - 10:30 PAUSE

Working committee

Chairperson: Hamid EL BILALI

10:30 - 10:40 **SOIL PROPERTIES OF NON-USED AREA BETWEEN NUSAYBIN AND SYRIA**, Ali Rıza ÖZTÜRKMEN, Deniz BARAN

10:40 - 10:50 **ALTERNATIVE PECTIN PRODUCTION METHODS AND SOURCES**, Melih GÜZEL, Nedra TEKTAŞ TAŞAN, Özlem AKPINAR

10:50 - 11:00 **USE OF MICROALGAE CULTIVATION IN DAIRY WASTEWATER TREATMENT**, Tuba SANLI, Elif Ayse ANLI

11:00 - 11:10 **ROOT DISTRIBUTION OF DRIP IRRIGATED CITRUS TREES PLANTED ON RIDGE**, Uğur KEKEÇ

11:10 - 11:20 **RISK ELEMENT ACCUMULATION IN COLEOPTERA ORGANISMS AS AFFECTED BY THE SOIL CONTAMINATION LEVEL**, Dilnora MUKHTOROVA, Jakub HLAVA, Jiřina SZÁKOVÁ, Pavel TLUSTOŠ

11:20 - 11:30 **SWOT ANALYSIS OF FOREIGN AGROBUSINESS INVESTMENT THROUGH THE INDUSTRIAL PALM OIL SECTOR**, Ludovic ANDRES, Daniel Johannes Erhard. KALNIN, Claire DURAND, Joanna COZIER

11:30 - 11:45 DISCUSSION

18:00 - 18:30 POSTER SESSION

20:00 Gala dinner (live music and tasting of traditional an typical products)

X International Scientific Agriculture Symposium "Agrosym 2019"
agrosym.ues.rs.ba

Friday, October 5th, 2018
Conference Hall G (Hotel Board)

ANIMAL HUSBANDRY

09:00 - 18:00 - REGISTRATION

Working committee

Chairperson: Radovan KASARDA, Nina MORAVČÍKOVÁ

09:00 - 09:10 **IMPROVING REPRODUCTIVE PERFORMANCES IN PRIMIPAROUS AND MULTIPAROUS COWS**, Tarik MJTEVELIĆ, Edin RAMIĆ, Benjamin ČENGIĆ, Nazif VARATANOVIC, Lejla VELIĆ, Amel CUTUK

09:10 - 09:20 **RELATIONSHIPS BETWEEN SOMATIC CELL COUNT AND SELECTED QUALITATIVE PARAMETERS OF SHEEP MILK**, Jan KUČTIK, Leona KONEČNÁ, Vladimír SYKORA, Martin FAJMAN, Květoslava ŠUSTOVÁ, Radek FILIPČIK

09:20 - 09:30 **DETECTION OF ODOUR FROM ANIMAL PRODUCTION IN FINLAND**, Maarit HELLSTEDT

09:30 - 09:40 **EFFECT OF SALINE WATER ON WATER INTAKE, GROWTH PERFORMANCE AND BLOOD METABOLITES OF BARBARINE LAMB**, Imtiaz BOUZARRAA, Sourour ABIDI, Hichem BEN SALEM

09:40 - 09:50 **UNIQUE BLACK CHICKEN VARIETY FOR WOMEN EMPOWERMENT IN HILLY AREAS OF JAMMU AND KASHMIR, INDIA**, Mandeep SINGH AZAD, Kwardeep KOUR

09:50 - 10:00 **EFFECT OF BLUE LUPINE ON THE GROWTH RATE, CARCASS AND MEAT QUALITY OF HEAVY-TYPE TURKEYS**, Robertas JUODKA, Remigijus JUSKA, Raimondas LEIKUS, Rasa NAINIENE, Violeta JUSKIENE

10:00 - 10:15 DISCUSSION

10:15 - 10:30 PAUSE

Working committee

Chairperson: Radovan KASARDA, Tatjana ZDRALIC

10:30 - 10:40 **THE PREDICTION OF DAILY BODY WEIGHT GAINS IN HARNAI SHEEP USING BOOSTED REGRESSION TREES**, Daniel ZABORSKI, Małgorzata SZEWCZUK, Wilhelm GRZESIAK, Ecevit EYDURAN, Mohammad Masood TARIQ, Muhammad ALI

10:40 - 10:50 **PROTECTIVE EFFECT OF POPLAR-TYPE PROPOLIS ON CIŞPLAŢIN-INDUCED TOXICITY**, Abdullah DEMİRTAŞ, Numan BAYDİLLİ, Züleyha DOĞANYİĞİT, Olgay Kaan TEKİN, Sibel SİLİCİ

10:50 - 11:00 **IDENTIFICATION OF SELECTION SIGNALS THROUGH HAPLOTYPE STRUCTURE IN GENOME OF DUAL-PURPOSE BREEDS**, Barbořa OLŠANSKÁ, Radovan KASARDA, Anna TRAKOVICKÁ, Ondrej KADLEČIK, Nina MORAVČÍKOVÁ

11:00 - 11:10 **GENOMIC DIVERSITY AND LEVEL OF ADMIXTURE IN THE SLOVAK SPOTTED CATTLE**, Kristína LEHOČKÁ, Radovan KASARDA, Anna TRAKOVICKÁ, Ondrej KADLEČIK, Nina MORAVČÍKOVÁ

11:10 - 11:20 **EFFECT OF FRUCTOOLIGOSACCHARIDES ON PERFORMANCE OF BROILER CHICKENS: A META-ANALYTIC STUDY**, Dogukan OZEN, Ali CALIK, Ahmet CEYLAN, Hulya OZEN, Fezan MUTLU

11:20 - 11:30 **EVALUATION OF CURRENT SITUATION AND SOME PROBLEMS OF TURKEY BREEDING IN KONYA PROVINCES OF TURKEY**, Emre ARSLAN, Orhan ÇETİN, Aytekin GÜNLÜ

11:30 - 11:45 DISCUSSION

11:45 - 12:00 PAUSE

Working committee

Chairperson: Tatjana ZDRALIC, Radovan KASARDA

- 12:00 - 12:10** **EFFECT OF CALF JACKET ON LIVE-WEIGHT PERFORMANCE, HEALTH AND BODY MEASUREMENTS IN HOLSTEIN CALVES**, Emre ARSLAN, Mustafa ÇAM, Zahit Kutalmış KAYA, Şeref İNAL
- 12:10 - 12:20** **GENOME-WIDE DISTRIBUTION OF AUTOZYGOSITY ISLANDS IN SLOVAK WARMBLOOD HORSE**, Nina MORAVČIKOVÁ, Radovan KASARDA, Marko HALO, Ondrej KADLEČÍK, Anna TRAKOVICKÁ, Kristína LEHOCKÁ, Barbora OLŠANSKÁ, Juraj CANDRÁK
- 12:20 - 12:30** **EFFECTS OF PRESTORAGE APPLICATION OF GAM ARABIC COATING ON EGG QUALITY OF TABLE CHICKEN EGGS DURING STORAGE**, Vahdettin SARIYEL, Ali AYGÜN, Doğan NARINÇ, Hacer ÇOKLAR, Mehmet AKBULUT
- 12:30 - 12:40** **DISCUSSION**
- 13:00 - 14:00** **Mountain cable car ride**
- 14:00 - 15:30** **Lunch Break**
- 15:30 - 16:00** **POSTER SESSION**
- 20:00** **Gala dinner (live music and tasting of traditional an typical products)**

Friday, October 4th, 2019
Conference Hall D (Hotel Termag)

RURAL DEVELOPMENT AND AGRO-ECONOMY

09:00 - 18:00 - REGISTRATION

Working committee

Chairperson: Adriano CIANI

09:00 - 09:10 **DIGITAL TRANSFORMATION IN AUSTRIAN SECONDARY COLLEGES FOR AGRICULTURE AND FORESTRY**, Erika QUENDLER

09:10 - 09:20 **THE ROLE OF INNOVATION SUPPORT SERVICE PROVIDERS IN AGRICULTURAL INNOVATION MANAGEMENT**, Hannu E. S. HAAPALA

09:20 - 09:30 **MULTIFUNCTIONALITY, A STRATEGIC PILLAR FOR AGRICULTURE IN DEVELOPING COUNTRIES: AN EVIDENCE FROM NEPAL**, Kumar BHATTA, Adriano CIANI

09:30 - 09:40 **ANALYSIS OF FACTORS OF FARMS TERRITORY IN LATVIA**, Vivita PUKITE, Velta PARSOVA

09:40 - 09:50 **CONSUMERS' ATTITUDES TOWARDS THE IMPROVEMENT OF AGRICULTURAL LANDSCAPE: LITHUANIAN CASE STUDY**, Anastasija NOVIKOVA, Bernardas VAZNONIS

09:50 - 10:00 **SOCIAL INNOVATIONS IN MOUNTAIN REGIONS**, Manfred PERLIK

10:00 - 10:15 **DISCUSSION**

10:15 - 10:30 **PAUSE**

Working committee

Chairperson: Erika QUENDLER

10:30 - 10:40 **CROP PRODUCTION AND FOOD CONSUMPTION FOR FARMERS' WELFARE IN RWANDA**, Aristide MANIRIHO, Edouard MUSABANGANJI, Philippe LEBAILLY

10:40 - 10:50 **THE WINE ROUTES IN SICILY AS A TOOL FOR RURAL DEVELOPMENT: AN EXPLORATORY ANALYSIS**, Marzia INGRASSIA, Luca ALTAMORE, Pietro COLUMBA, Simona BACARELLA, Stefania CHIRONI

10:50 - 11:00 **RURAL TOURISM AND SUSTAINABLE DEVELOPMENT: THE CASE OF TUNIS VILLAGE'S HANDICRAFTS, EGYPT**, Hassan REFAAT, Mohamed MOHAMED

11:00 - 11:10 **THE NATIONAL RURAL INSURANCE SYSTEM IN MEXICO: PRIVATE PUBLIC PARTNERSHIP FOR RISK MANAGEMENT**, J. Reyes ALTAMIRANO-CÁRDENAS, Raquel SOLANO-ALONSO, Tania A. VALDEZ-REYES

11:10 - 11:20 **EFFECT OF MICROFINANCE ON SMALLHOLDER FARMERS' LIVELIHOOD IN RWANDA: A CASE STUDY OF NYAMAGABE DISTRICT**, Eularie MUTAMULIZA, Edouard MUSABANGANJI

11:20 - 11:30 **MIGRATION DECISIONS AMONG RURAL HOUSEHOLDS IN RWANDA: WHAT DOES THE PUSH-AND-PULL MODEL REVEAL?**, Edouard MUSABANGANJI, Charles RURANGA, Aristide MANIRIHO

11:30 - 11:45 **DISCUSSION**

11:45 - 12:00 **PAUSE**

Working committee

Chairperson: Manfred PERLIK

- 12:00 - 12:10** EUROPEAN CRANBERRYBUSH PRODUCTION VERSUS SOLAR POWER PLANT: AN ECONOMIC APPRAISAL, Onur TASKIN
- 12:10 - 12:20** EFFECT OF ULTRASOUND PRETREATMENT ON DRYING OF AGRICULTURAL PRODUCTS, Onur TASKIN, Ahmet POLAT, Nazmi IZLI
- 12:20 - 12:30** RURAL DEVELOPMENT THROUGH THE INTRODUCTION OF A PIG FARM MODEL: CASE OF ATTAPEU, LAO PDR, Andres LUDOVIC, Nguyen CONG OANH, Vu DIN TON, Philippe LEBAILLY
- 12:30 - 12:40** DISCUSSION
- 13:00 - 14:00** Mountain cable car ride
- 14:00 - 15:30** Lunch Break

Working committee

Chairperson: Nebojša NOVKOVIĆ

- 15:30 - 15:40** COMPARATIVE ANALYSIS OF ONION PRICES, Nebojša NOVKOVIĆ, Ljiljana DRINIĆ, Beba MUTAVDŽIĆ, Otilija SEDLAK, Zorica ZDRAVKOVIĆ
- 15:40 - 15:50** FARM PRODUCTION EFFICIENCY IN SERBIA, Rade POPOVIC, Zana JURJEVIC, Danilo DJOKIC, Mirjana BOJCEVSKI
- 15:50 - 16:00** CROP PRODUCTION IN THE COUNTRIES OF THE WESTERN BALKANS, Tihomir ZORANOVIĆ, Vanja ERCEG
- 16:00 - 16:10** THE ECONOMIC EFFICIENCY OF THRIFT AND CREDIT COOPERATIVES IN NORTHEAST OF THAILAND, Anucha WITTAYAKORN-PURIPUNPINYOO
- 16:10 - 16:20** STRATEGIC APPROACH TO LAND CONSOLIDATION, Milan TRIFKOVIĆ, Žarko NESTOROVIĆ
- 16:20 - 16:30** THE ASSESSMENT OF TURKEY COMPETITIVENESS IN CHERRY TRADE, Hasan ARISOY, Mehmet Ferda KAYA, Ismail ARAS
- 16:30 - 16:45** DISCUSSION
- 16:45 - 17:00** PAUSE

Working committee

Chairpersons: Hamid EL BILALI

- 17:00 - 17:10** MOBILE AND STATIONARY BEEKEEPING – SUCCESSFUL EXAMPLES, Vesna OČIĆ, Mislav CAR, Zoran GRGIĆ, Dragan BUBALO, Branka ŠAKIĆ BOBIĆ
- 17:10 - 17:20** IS RESIDUE RETENTION THE HICCUP FOR PROMOTION OF CONSERVATION AGRICULTURE IN MIXED CROP-LIVESTOCK PRODUCTION SYSTEMS? Tamer EL-SHATER, Yigezu A. YIGEZU
- 17:20 - 17:30** WILD ECONOMY, CIRCULAR ECONOMY AND RESILIENCE THE CASE STUDY OF THE WILD ANIMALS IN UMBRIA REGION (ITALY), Francesco CENCI, Adriano CIANI, Sebastiana FAILLA
- 17:30 - 17:40** DISCUSSION
- 17:40 - 18:00** PAUSE
- 18:00 - 18:30** POSTER SESSION
- 20:00** Gala dinner (live music and tasting of traditional and typical products)

Friday, October 4th, 2019
Conference Hall H (Hotel Termag - Koliba)

FORESTRY AND AGRO-FORESTRY

09:00 - 18:00 - REGISTRATION

Working committee

Chairperson: Artur RUTKIEWICZ

09:00 - 09:10 **THE CHOICE OF OPTIMAL TECHNOLOGY OF PROCESSING OF WOOD GREENERY IN THE CONDITIONS OF INTEGRATED UTILIZATION OF FOREST DENDROMASS**, Srđan LJUBOJEVIĆ, Ladislav VASILIŠIN, Goran VUČIĆ

09:10 - 09:20 **ECONOMIC ASSESSMENT OF THE WATER ECOSYSTEM SERVICE PROVIDED BY FOREST AREAS WITH WATER PROTECTION FUNCTIONS IN NORTHWESTERN BULGARIA**, Nevena SHULEVA, Paula MALKOVSKA

09:20 - 09:30 **THE EFFECT OF FOREST MANAGEMENT ON NET NITROGEN MINERALIZATION IN ESTONIA**, BECKER, H., VARIK, M., AOSAAR, J., MOROZOV, G., KRISTIINA, AUN., URI, V.

09:30 - 09:40 **SOIL RESPIRATION AND NITROGEN LEACHING DECREASED IN GREY ALDER (*ALNUS INCANA* (L.) MOENCH) COPPICE AFTER CLEAR-CUT**, Jürgen AOSAAR, Mats VARIK, Hardo BECKER, Gunnar MOROZOV, Kristiina AUN, Mai KUKUMÄGI, Mikko BUHT, Allar PADARI, Veiko URI

09:40 - 09:50 **WOODED MEADOW – A SUSTAINABLE CHALLENGE OF AGRO-FORESTRY**, Katrin HEINSOO, Indrek MELTS

09:50 - 10:00 **CARBON DYNAMICS IN GREY ALDER STAND GROWING ON ABANDONED AGRICULTURAL LAND – LONG TERM STUDY**, Mats VARIK, Mai KUKUMÄGI, Jürgen AOSAAR, Hardo BECKER, Kristiina AUN, Gunnar MOROZOV, Veiko URI

10:00 - 10:15 **DISCUSSION**

10:15 - 10:30 **PAUSE**

Working committee

Chairperson: Srđan LJUBOJEVIC, Marko GUTALJ

10:30 - 10:40 **EPIGENETICS VS GENETICS: A DIFFERENT VIEW BEHIND THE EMBASSY OF GENES IN NATURAL FOREST POPULATIONS**, Evangelia V. AVRAMIDOU

10:40 - 10:50 **CHARACTERIZATION OF *POPULUS* HYBRIDS BY THEIR DIFFERENT RESPONSES TO ABSCISIC ACID DURING *IN VITRO* CULTURE**, Greta STRIGANAVIČIŪTĖ, Jonas ŽIAUKA, Tomas JATKAUSKAS, Iwona SZYP-BOROWSKA, Marzena NIEMCZYK, Sigutė KUUSIENĖ

10:50 - 11:00 **OUTBREAK DYNAMICS OF THE EUROPEAN BARK BEETLE *IPS TYPOGRAPHUS* (L.) (COL.: *CURCULIONIDAE*, *SCOLYTINAE*) DEPENDING ON THE AGE OF THE STAND AND THE FOREST HABITAT**, Artur RUTKIEWICZ, Piotr BILCZUK, Adam BYK

11:00 - 11:10 **EFFECTS OF AIR POLLUTION ON SCOTS PINE STANDS IN INDUSTRIAL AREAS IN POLAND ON THE BASIS OF DENDROCHRONOLOGICAL ANALYSIS**, Longina CHOJNACKA-OŻGA, Wojciech OŻGA

11:10 - 11:20 **TYPES OF LIVING GROUND COVER ON FORSAKEN AGRICULTURAL LAND**, Mariya NOVIKOVA

11:20 - 11:30 **BIG DATA AND DATA SCIENCE FOR EVALUATION OF HABITAT SUITABILITY OF EUROPEAN FOREST SPECIES**, Teo BEKER, Dejan STOJANOVIĆ, Saša ORLOVIĆ

11:30 - 11:45 **DISCUSSION**

11:45 - 12:00 **PAUSE**

Working committee

Chairperson: Artur RUTKIEWICZ

- 12:00 - 12:10** **SPATIAL EVALUATION OF RECENT CLIMATE CHANGE AND VULNERABILITY OF FOREST ECOSYSTEMS: A CASE STUDY IN SPAIN**, Javier MONTALVO, Enrique RUIZ-LABRADOR, Sandra BLÁZQUEZ-CABRERA, Juan Manuel CINTAS, David PÉREZ, Xabier ÁLVAREZ DE EULATE
- 12:10 - 12:20** **CURRENT STATUS AND POTENTIAL OF SOME IMPORTANT SPECIES OF MANGROVE FOREST IN KIEN GIANG AND CA MAU PROVINCES, VIETNAM**, Luom Thanh THAI, Ngon Trong TRUONG
- 12:20 - 12:30** **DISCUSSION**
- 12:30 - 13:00** **POSTER SESSION**
- 13:00 - 14:00** **Mountain cable car ride**
- 14:00 - 15:30** **Lunch Break**
- 20:00** **Gala dinner (live music and tasting of traditional an typical products)**

Saturday, October 5th, 2019
EXCURSION

The Symposium has organized whole day tour to Mostar and tourist attractions in the surroundings of Mostar. Included: professional tourist guides; box lunch; refreshments; and typical Bosnian mix fruit snacks.

08:30 - 19:00 EXCURSION (Departure from hotel Termag-Vucko-Board-Snjesko)

Mostar

Mostar is a city and municipality in Bosnia and Herzegovina, the largest and one of the most important cities in the Herzegovina region, its cultural capital. Mostar is situated on the Neretva river and is the fifth-largest city in the country. The Old Bridge, built by the Ottomans in the 16th century, is one of Bosnia and Herzegovina's most recognizable landmarks. Mostar's Old Town is interesting for its lively narrow streets. There are a lot of catering facilities and handicraft shops around which offer a variety of traditional goods.



Blagaj Tekija

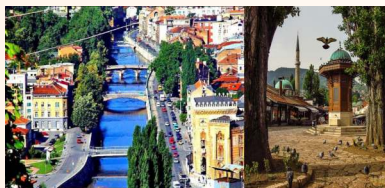
Blagaj is a village-town in the south-eastern region of the Mostar basin, only 12 km far from Mostar. Blagaj is the oases of peace and natural harmony and it was most likely named for its mild weather patterns since "blaga" in local language means "mild". This lovely touristic destination is situated at the spring of the Buna river and a historical tekke (tekija or Dervish monastery). The Blagaj Tekija was built around 1520.

Počitelj Old City

Počitelj is beautiful old stone town, the UNESCO heritage site. The historic urban site of Počitelj is located on the left bank of the river Neretva, on the main Mostar to Metković road, to the south of Mostar, in the territory of Čapljina Municipality. Today, the historical town of Počitelj, built under the fortress, has an oriental style, and as such is completely in the function of tourism and cultural events.



20:00 DINNER AT HOTEL



Sunday, October 6th, 2019

SARAJEVO HALF DAY GUIDED POST-CONFERENCE EXCURSION
(price 20 euro per person)

09:00 - 13:00

Included: visit to Sarajevo Old City; visit to spring of the river Bosna; professional tourist guides; refreshments and typical Bosnian fruit mix snacks.

14:00 LUNCH AT HOTEL

15:00 DEPARTURE

X International Scientific Agriculture Symposium "Agrosym 2019"
agrosym.ues.rs.ba

23

AGRO 2019
sym

Friday, October 4th, 2019

POSTER SESSION

Posters should be sized 800 x 1000 mm (width x height) - **COMPULSORY**

PLANT PRODUCTION

Conference Halls A and B (Hotel Termag)

Friday, (October 4th, 2019), 18:00 - 18:30

Working committee

Chairpersons: Novo PRZULJ, Desimir KNEZEVIC, Zeljko DOLIJANOVIC

- P 01** THE IRON, COPPER AND LEAD UPTAKE ABILITY OF *PHRAGMITES AUSTRALIS* SPECIES, Abdelhakim SELLAL, Rima BELATTAR
- P 02** SECURING THE PRODUCTION OF DURUM WHEAT (*TRITICUM DURUM* DESF.) BY SUPPLEMENTARY IRRIGATION IN THE SEMI-ARID ZONE (SOUTH OF SETIF PROVINCE, ALGERIA): CASE OF THE BOUSSELEM VARIETY, Cheniti KHALISSA, Guessoum SALIMA, Djouada LYAMINE, Belhaouchet ZINE ABIDINE
- P 03** MORPHOGENETIC REACTIONS OF *PIMPINELLA ANISUM* L. (MEDICINAL PLANT) UNDER IN VITRO CULTURE CONDITIONS, LAMARA S., DJEBBAR R., CHABANE D.
- P 04** ANALYSIS OF THE ADAPTATION OF WHEAT (*TRITICUM AESTIVUM* L.) TO DIFFERENT CLIMATIC ZONES, Djamilia KEBOUR, Karima MEKADEMI, Chafika DJENADI
- P 05** ANATOMICAL AND HISTOCHEMICAL STUDYS ON YOUNG TWIGS OF *ARGANIA SPINOSA* (L.) SKEELS, Kadda HACHEM, Yasmina BENABDESLEM, Meriem KAID-HARCHE, Khaled KAHOULA
- P 06** ANALYSIS OF THE AGRONOMIC PERFORMANCES OF SOME VARIETIES OF THE GENUS *VICIA* SP OF NORTH AFRICAN ORIGIN IN THE SEMI-ARID ZONE OF SETIF, Amar MEBARKIA
- P 07** CAN USING NUMERICAL ANALYSIS OF IMAGE LEAF SENESCENCE HELP TO DURUM WHEAT SELECTION?, HAFSI Miloud
- P 08** TILLAGE OR NO TILLAGE: IMPACT ON FUNGAL ENDOPHYTES OF *Vicia sativa* L. UNDER A SEMI-ARID CLIMATE (ALGERIA), Nadia MADI DJEDID, Malika BOUDIAF NAIT KACI, Nasreddine LOUAHDI, Noria SMAIL-SAADOUN
- P 09** GENETIC STRUCTURE AND ORIGINS OF THE DATE PALM (*PHOENIX DACTYLIFERA* L.) IN ALGERIA, Souhila MOUSSOUNI, Jean-Christophe PINTAUD, Yves VIGOUROUX, SALWA ZEHDIAZOUZI, Emira CHERIF, Summar ABBAS NAQVI, Sabira ABDOLKADER, Frédérique ABERLENC-BERTOSSI, Nadia BOUGUEDOURA
- P 10** IS THERE A RELATION BETWEEN GERMINATION RATE AND SEED SIZE FOR CITRANGE TROYER?, Toufik BENHIZIA, Salim LEBBAL, Rebiha CHAOUI, Wafa AMRAOUI
- P 11** THE IMPACT OF SEED VOLUME ON GERMINATION LEVEL OF *CITRUS VOLKAMERIANA*, Toufik BENHIZIA, Salim LEBBAL, Rebiha CHAOUI, Wafa AMRAOUI
- P 12** GENETIC DIVERSITY ANALYSIS BY THE MORPHOMETRIC TOOL OF SOME BARLEY (*HORDUM VULGARE* L.) ACCESSION COLLECTIONS FROM WESTERN ALGERIA, Warda TAIBI, Amina BELLATRECHE, Suheil Bechir Semir GAOUAR
- P 13** GEOGRAPHICALLY DISTANT ORIGIN-VARIETY USE PERSPECTIVES, Hagigat HASHIMOVA
- P 14** EFFECT OF PRE-SOWING TREATMENT OF SEEDS WITH OZONE-AIR MIXTURE ON MAIZE PRODUCTIVITY, Sevinj MAMMADOVA
- P 15** INFLUENCE OF AGROTECHNICAL MEASURES ON YIELD AND QUALITY OF GREEN ONION, Aleksandra GOVEDARICA-LUČIĆ, Goran PERKOVIĆ, Alma RAHIMIĆ, Jelena PLAKALOVIĆ
- P 16** THE IMPACT ON THE HYBRID AND THE WAY OF THE PLANTING ON THE VARIABILITY OF THE YIELD CORN SILAGE, Borislav PETKOVIĆ, Ilija KOMLJENOVIĆ, Darko AČIMOVIĆ

- P 17 VARIABILITY OF YIELD GREEN MASS AND HAY OF RED CLOVER**, Borislav PETKOVIĆ, Novo PRŽULJ, Vojo RADIĆ
- P 18 ROYAL – A NEW VARIETY OF SPRING BARLEY**, Dragan MANDIĆ, Novo PRŽULJ, Goran ĐURAŠINOVIĆ, Zoran JOVOVIĆ
- P 19 THE INFLUENCE OF AGRO-ECOLOGICAL CONDITIONS ON THE QUALITY OF FIELD PEA**, Igor ĐURĐIĆ, Vesna MILIĆ, Branka GOVEDARICA, Saša LALIĆ, Željko LAKIĆ
- P 20 RESPONSE OF SOME WHEAT GENOTYPES TO DROUGHT AT GERMINATION AND EARLY SEEDLING GROWTH**, Mirjana JOVOVIĆ, Vesna TUNGUZ, Milan MIROSAVLJEVIĆ, Novo PRŽULJ, Zoranka MALEŠEVIĆ
- P 21 INFLUENCE OF SUPERABSORBENT „TVERDAYA VODA“ ON MORPHOLOGICAL CHARACTERISTICS OF POTATO**, Saša LALIĆ, Vesna MILIĆ, Aleksej LUKIN, Branka GOVEDARICA, Igor DJURDJIC, Andrija TOMIĆ
- P 22 THE INFLUENCE OF ABSORBENT AND LAND ON GERMINATION AND GROWTH AND DEVELOPMENT OF PEA GRAINS**, Vesna MILIĆ, Aleksej LUKIN, Branka GOVEDARICA, Igor DJURDJIC, Tanja JAKIŠIĆ
- P 23 YIELD OF SELECTED GENOTYPES OF SPRING PEAS (*Pisum sativum* L.) DEPENDING ON TOP DRESSING AND AGROECOLOGICAL CONDITIONS**, Igor DJURDJIC, Vesna MILIĆ, Vladeta STEVOVIĆ, Branka GOVEDARICA, Goran PERKOVIĆ
- P 24 ASSESSMENT OF CLIMATE PLASTICITY AND QUALITY OF PLANT PROTEIN IN BULGARIAN SOYBEAN VARIETIES**, Rossitza TODOROVA, Galina NAIDENOVA, Mariana RADKOVA, Ivaila DINCHEVA, Ilian BADDJAKOV, Miglena REVALSKA, Anelia IANTCHEVA
- P 25 ALLELOPATHIC EFFECT OF SOME WEEDS ON SEED GERMINATION OF SORGHUM CROPS**, Bogdan NIKOLOV, Slaveya PETROVA, Ekaterina VALCHEVA, Irena GOLUBINOVA, Plamen MARINOV-SERAFIMOV
- P 26 ASSESMENT OF THE POSSIBILITIES FOR ALTERNATIVE WEED CONTROL IN SOYBEAN**, Bogdan NIKOLOV, Slaveya PETROVA, Ekaterina VALCHEVA, Irena GOLUBINOVA, Plamen MARINOV-SERAFIMOV
- P 27 UPTAKE OF PHOSPHORUS AND POTASSIUM IN SORGHUM PLANTS IN DEPENDENCE ON NUTRITIONAL LEVEL**, Ivan VELINOV
- P 28 TROPHIC STRUCTURE OF THE NEMATODE COMMUNITY IN MONOCULTURES OF CARROTS (*DAUCUS CAROTA* SUBSP. *SATIVUS*)**, Lilyana KOLEVA, Deria ADEM
- P 29 THE ANNUAL ALFALFA *MEDICAGO TRUNCATULA* SPECIES BENEFITS UNDERSTANDING BIOLOGY OF CROP LEGUMES**, Mariana RADKOVA, Miglena REVALSKA, Ivaila DINCHEVA, Ilian BADDJAKOV, Galina NAIDENOVA, Rositsa TODOROVA, Anelia IANTCHEVA
- P 30 UPTAKE AND EXPENSE OF NITROGEN, PHOSPHORUS AND POTASSIUM IN GRAIN SORGHUM DEPENDS ON NITROGEN FERTILIZATION**, Zhivko TODOROV, Ivan VELINOV, Svetla KOSTADINOVA
- P 31 INFLUENCE OF INTERCROPPING MAIZE WITH CLIMBING BEAN ON FORAGE YIELD AND QUALITY**, Darko UHER, Zlatko SVEČNJAK, Dubravka DUJMOVIĆ-PURGAR, Dario JAREŠ, Ivan HORVATIĆ
- P 32 INFLUENCE OF INTERCROPPING MAIZE WITH COWPEA AND FERTILIZATION WITH CLINOPTILOLITE ON FORAGE YIELD AND QUALITY**, Ivan HORVATIĆ, Martina KOVAČEVIĆ, Dubravko MAČEŠIĆ, Darko UHER
- P 33 BAKING POTENTIAL OF TRITORDEUM IN WHEAT COMPOSITE FLOUR**, Ivan ŠVEC, Marie HRUŠKOVÁ, Ondřej JIRSA, Petr MARTINEK, Ivana JURINOVÁ
- P 34 USAGE OF MODIFIED CYTOKININS AS POTENT AGROCHEMICALS**, Radoslav KOPRNA, Jiří PETRÁSEK, Marek ZATLOUKAL, Martin HÖNIG, Karel DOLEŽAL, Lukáš SPÍCHAL, Miroslav STRNAD
- P 35 THE MYCORRHIZAL EFFECT ON YOUNG PLANT PRODUCTION IN SELECTED VEGETABLE SPECIES**, Robert POKLUDA, Sadat AMANKONA
- P 36 STUDIES ON THE GENE ACTION OF WHEAT CROP UNDER DIFFERENT ENVIRONMENTAL CONDITIONS**, Amgad Abd EL-GAMMAAL, A.A. MORAD, I.E.M. EL-KASAS

- P 37 RESPONSE OF MAIZE (*ZEA MAYS* L.) TO NITROGEN FERTILIZATION WITH AN FOLIAR SPRAY WITH UREA AND ZINC**, El Sayed GHEITH, OLA Z. EL-BADRY
- P 38 RELATIONSHIP BETWEEN PHOSPHORUS STATUS AND NITROGEN FIXATION BY COMMON BEANS (*PHASEOLUS VULGARIS* L.) UNDER DRIP IRRIGATION**, Hesham ASLAN ATTAR, D. BLAVET, E. M. SELIM, M. T. ABDELHAMID, J. J. DREVON
- P 39 PERFORMANCE OF SOME HERBICIDES ON WHEAT AND ASSOCIATED WEEDS**, Ola Z. EL-BADRY, E.M.S. GHEITH
- P 40 INFLUENCE OF BIOSTIMULANTS AND FOLIAR FERTILIZERS ON THE YIELD OF GARLIC**, Priit PÖLDMA, Ulvi MOOR, Marge STARAST, Mariana MAANTEE-KULJUS, Leila MAINLA, Kadri KARP
- P 41 META-ANALYSES OF SWEETPOTATO (*IPOMOEA BATATAS* L. LAM) STABILITY PERFORMANCE IN DIFFERENT AGRO-ECOLOGIES OF THE TIGRAY REGION, ETHIOPIA**, Gloria Peace LAMARO, Temesgen ZEBYDER, Amare BIRHANU, Solomon ETANY Tsehaye YERMANE, Obianugu Oranu CHIZOBA, Christopher D. NWANI
- P 42 EFFECT OF INTERCROPPING MAIZE AND COMMON BEAN ON GRAIN YIELD OF COMPONENT CROPS AND LAND USE EFFICIENCY UNDER CONVENTIONAL AND CONSERVATION TILLAGE**, Legesse HIDOTO, Daniel MARKOS
- P 43 STUDYING THE ACCLIMATIZATION AND AGRICULTURAL PECULIARITIES OF EARLY SPECIES OF TANGERINE INTRODUCED FROM JAPAN IN CONDITIONS OF ADJARA**, Rezo JABNIDZE, Mirza KURSHUBADZE, Mamuka TURMANIDZE, Nana JABNIDZE
- P 44 CROP ROTATION PRODUCTIVITY WITH CEREALS AND LEGUMES: A SHORT REVIEW**, Elpiniki SKOUFOGIANNI, Kyriakos D. GIANNOULIS, Dimitrios BARTZIALIS, Georgios CHARVALAS, Nikolaos G. DANALATOS
- P 45 INTERCROPPING – MAY BE AN OLD PRACTICE BUT TIMELESS: A SHORT REVIEW**, Elpiniki SKOUFOGIANNI, Kyriakos D. GIANNOULIS, Dimitrios BARTZIALIS, Georgios CHARVALAS, Nikolaos G. DANALATOS
- P 46 MANAGEMENT AND CONSERVATION OF THE BARN OWLS ON CYPRUS FOR THE CONTROL OF RATS AND THE PROTECTION OF AGRICULTURE - A REVIEW**, Eleftherios HADJISTERKOTIS
- P 47 A MISUNDERSTANDING BUT VERY PROMISING CROP: LUPINS**, Elpiniki SKOUFOGIANNI, Kyriakos D. GIANNOULIS, Dimitrios BARTZIALIS, Georgios CHARVALAS, Foteini LAVDI, Nikolaos G. DANALATOS
- P 48 CULTIVATION PRACTICES EFFECT *CANNABIS SATIVA* YIELD**, Eleni WOGIATZI-KAMWOUKOU, Kyriakos D. GIANNOULIS, Eleftheria Anna PORICHI, Nikolaos GOUGOULIAS, Dimitrios KALFOUNTZOS, Dimitrios BILALIS
- P 49 COMPARISON OF COMMON FERTILIZERS AND FERTILIZERS WITH NITRIFICATION INHIBITOR TO YIELD AND PROTEIN CONTENT ON TRITICUM DURUM**, Kyriakos D. GIANNOULIS, Eleni WOGIATZI-KAMWOUKOU, Evangelos KARAKASIS, Anastasios KARAKASIS, Ilias PLATIS
- P 50 TEMPERATURE EFFECT ON SEED GERMINATION RATES OF DIFFERENT WINTER LEGUMES AND SPRING CEREALS**, Elpiniki SKOUFOGIANNI, Kyriakos D. GIANNOULIS, Dimitrios BARTZIALIS, Foteini LAVDI, Nikolaos G. DANALATOS
- P 51 THE EFFECT OF DIFFERENT FOLIAR FERTILIZERS AND DOSAGES ON THE YIELD AND SEED QUALITY CHARACTERISTICS OF DURUM WHEAT**, Kyriakos D. GIANNOULIS, Eleni WOGIATZI-KAMWOUKOU, Niki C. ASIMAKI, Ilias PLATIS, Dimitrios KOUTLIS
- P 52 GENOTYPE BY ENVIRONMENT INTERACTIONS ON NINE COTTON FIBER TRAITS**, Vasileios GREVENIOTIS, Evangelia SIOKI, Constantinos G. IPSILANDIS
- P 53 ASSESSING YIELD OF WINTER CEREALS UNDER EXTREME CONDITIONS IN GREECE**, Vasileios GREVENIOTIS, Stylianos ZOTIS, Evangelia SIOKI, Constantinos G. IPSILANDIS
- P 54 BEHAVIOR OF YOUNG CONSUMERS REGARDING FLAVORED WINES - CASE STUDY: RETSINA AND VERMOUTH**, Vasiliki - Foteini MPAKABELLOU, Efthymia OIKONOMOU, Vasileios GREVENIOTIS, Evangelia SIOKI, Elisavet BOULOUMPASI, Athanasios MANOURAS

- P 55 AN OVERVIEW OF VITICULTURE AND WINE PRODUCTION IN GREEK REGION OF WESTERN MACEDONIA**, Theofanis TEMELKOS, Vasileios GREVENIOTIS, Elisavet BOULOUMPASI, Athanasios MANOURAS
- P 56 UTILIZATION OF QUALITY AND COLOR CHARACTERISTICS OF MAIZE AS TOOLS TO RESEARCH GENOTYPE BY ENVIRONMENT INTERACTION**, Vasileios GREVENIOTIS, Elisavet BOULOUMPASI, Evangelia SIOKI, Athanasios MANOURAS
- P 57 ASSESSING STABILITY IN MAIZE**, Vasileios GREVENIOTIS, Stylianos ZOTIS, Evangelia SIOKI, Constantinos G. IPSILANDIS
- P 58 EFFECT OF DIFFERENT STORAGE TEMPERATURES ON PHYSICAL STATE AND SOME INNER CONTENTS OF SWEET POTATO (*IPOMOEA BATATAS* L.) BULBS**, Nour ALHADIDI, Tamas ZSOM, Katalin FEKETE, Mariann KIS KRISZTIANNE, Zoltan PAP
- P 59 EFFECTS OF A SUBSTRATE IMPROVEMENT AGENT ON THE VEGETATIVE GROWTH AND QUALITY OF VEGETABLE SEEDLINGS**, Zoltan PAP, Katalin FEKETE, Dzszenifer NEMETH, Levente KARDOS, Lyza Maquilian QUILONG QUILONG, Mohammed Omer MUSTAFA, Anna SZABO, Gabor BALAZS
- P 60 DEVELOPMENT OF CHANGES OF LACTIC ACID AND COLOR CONTENT IN HARVEST SEASON FROM ELDERBERRY (*SAMBUCUS NIGRA* L.)**, Zsuzsanna PALÁGYI, Diána FURULYÁS, Mónika STÉGER-MÁTÉ
- P 61 GENETIC DIVERSITY ANALYSIS IN INDIAN MUSTARD (*Brassica juncea* L. Czern & Coss)**, Girish TANTUWAY, Kartikeya SRIVASTAVA, Aditi Eliza TIRKEY
- P 62 HARVEST TIME IMPACT ON SHATTERING HABIT AND MILLING QUALITY OF RICE CULTIVARS**, Alireza ALLAMEH
- P 63 ROOT UPTAKE AND TRANSLOCATION OF ZINC IN WHEAT-ZINC ENRICHED SEEDS AFFECTED BY HISTIDINE**, Amin ABBASI, Sahar SHAKIBI
- P 64 EFFECTS OF SEED PRIMING WITH PACLOBUTRAZOL ON CHILLING TOLERANCE OF WHEAT GERMINATION AND SEEDLING GROWTH**, Farid SHEAKRI, Soheila KARAMI, Jalal SABA
- P 65 THE EFFECT OF WATER HOLDING AND FOLIAR APPLICATION OF ZN AND MN ON ECO-PHYSIOLOGICAL CHARACTERISTICS OF THE NEW VARIETIES OF RAPE SEED (*BRASSICA NAPUS* L.)**, Ghorban KHODABIN, Zeinolabedin TAHMASEBI SARVESTANI, Amir Hossein SHIRANIRAD, Seyed Ali Mohammad MODARRES-SANAVY
- P 66 EFFECTS OF MOTHER CORM WEIGHT AND NUTRIENT FOLIAR APPLICATION ON FLOWER AND CORM CHARACTERISTICS OF SPANISH AND IRANIAN SAFFRON (*CROCUS SATIVUS* L.)**, Hossein SAHABI
- P 67 ADVERSE EFFECT OF LATITUDE ON PHENOLIC ACIDS AND ALKALOIDS BIOSYNTHESIS IN *LITHOSPERMUM OFFICINALE***, Esmaeil KHOSRAVI, Amir MOUSAVI, Kamahldin HAGHBBE
- P 68 NUTRITIONAL PROFILE OF MICROGREENS FROM UNCONVENTIONAL GENOTYPES**, Maria CASTELLINO, Stefania FORTUNATO, Massimiliano RENNA, Pietro SANTAMARIA, Beniamino LEONI, Francesco CAPONIO, Vito Michele PARADISO
- P 69 OUT OF LABS: ASSESSMENT OF HYDROXYTYROSOL DERIVATIVES IN EXTRA VIRGIN OLIVE OILS BY EXTRACTION WITH NATURAL DEEP EUTECTIC SOLVENTS AND SPECTROPHOTOMETRIC ANALYSIS**, Vito Michele PARADISO, Stefania FORTUNATO, Giacomo SQUEO, Carmine SUMMO, Antonella PASQUALONE, Francesco CAPONIO
- P 70 INFLUENCE OF FERTILISER NORMS AND TYPES ON TOTAL NITROGEN CONTENT IN REED CANARY GRASS DRY MATTER**, Aleksandrs ADAMOVIČS, Rasma PLATACE
- P 71 CAPER PRODUCTION UNDER DIFFERENT IRRIGATION REGIMES IN THE NORTHERN BEKAA PLAIN IN LEBANON**, Ahmad ELBITAR, Randa MASSAAD, Lamia KASSEM, Marie Therese ABISAAB, Aline KADRI, Ali CHEHADE
- P 72 THE POSSIBILITY OF THE USING SOME GENERA OF FUNGI AS A BIOLOGICAL CONTROL FOR ROOT- KNOT NEMATODES (*MELOIDOGYNE INCOGNITA*) IN LABORATORY AND GREEN HOUSE IN EL – BAIDA REGION – LIBYA**, Mahmoud E. M. EHWAETI, Essa A. SAAD
- P 73 MONITORING AND EVALUATION OF IRRIGATED AGRICULTURE IN THE NORTHWESTERN REGION OF LIBYA**, Saad A. ALGHARIANI

- P 74 ANALYSIS AND CHARACTERISTICS OF THE NEW VIRGINIA HYBRID LINES IN CMS FORM,** Ilija RISTESKI, Karolina KOCOSKA
- P 75 IMPACT OF PASTERIZATION ON THE QUALITY OF POMEGRANATE JUICE FROM "HICAZ" VARIETY FROM THE REGION OF NORTH MACEDONIA,** Violeta DIMOVSKA, Fidanika ILIEVA, Sanja KOSTADINOVIC VELICKOVSKA, Ljupco MIHAJLOV, Biljana KOVACEVIC, Elizabeta DAVITKOVSKA BARBAREEVA
- P 76 REVALUATION OF NATIVE CORN TO FACE ENVIRONMENTAL CHANGE,** José Sergio BARRALES-DOMINGUEZ, Edgar BARRALES-BRITO
- P 77 POTENTIAL OF RHIZOGENESS OF HARD WOOD CUTTINGS OF SOME UNIFORMOUS FIGS VARIETIES (*FICUS CARICA L.*),** Goran R. POPOVIC, Ranko M. POPOVIC, Nikola RADULOVIC, Jovana JOVANOVIC, Nina KATNIC
- P 78 EFFECT OF WATER STRESS ON CLEMENTINE PRODUCTION AND QUALITY IN TRIFFA BASIN (MOROCCO),** Zerhouné MESSAOUDI, Anwar ABOUSAMID, Abdelbasset BERRICHI, Lhoussain AIT HADDOU
- P 79 ESTIMATION OF HETEROSIS AND HERITABILITY OF SOME YIELD AND GROWTH CHARACTERS OF BREAD WHEAT (*TRITICUM AESTIVUM L*) VARIETIES IN WUDIL, NIGERIAN SUDAN SAVANNAH,** SHAWAI R. S, MAGASHI A. I., JAFAR I.A, A. MUHAMMAD
- P 80 PHENOTYPIC AND MOLECULAR SCREENING OF FIVE CASSAVA (*MANIHOT ESCULENTA CRANTZ*) POPULATIONS FOR RESISTANCE TO MOSAIC DISEASE,** Bunmi OLASANMI, Martina KYALO, Nasser YAO
- P 81 ACCESSING THE BENEFITS OF PRECISION AGRICULTURE IN SUB-SAHARAN AFRICA,** Iheanyi OGOKE, P. J. ABANA, C. I. DURUIGBO, A. A. NGWUTA, N. C. ADIKURU, O. M. NNEBUE
- P 82 FLORISTIC BIODIVERSITY AND PHYTOGEOGRAPHICAL STUDY IN FEW SITES OF GAZA STRIP, PALESTINE,** Ayman WADII, Youssef DARDONA
- P 83 APPLICATION OF NANOPARTICLES IN THE FERTILIZATION OF CROP PLANTS,** Lidia MIELCARZ-SKALSKA, Beata SMOLINSKA
- P 84 ASSESSMENT OF SAP FLOW TECHNIQUES AS AN AUTOMATED INDICATOR OF *VITIS VINIFERA* WATER STATUS IN THE PORTUGAL'S DOURO VALLEY,** Aureliano C. MALHEIRO, Nuno CONCEIÇÃO, José SILVESTRE, Maria Isabel FERREIRA
- P 85 RELATIONSHIPS BETWEEN THE INFLUENCE FACTORS OF THE SOIL TILLAGE PROCESS,** Sorin-Ştefan BIRIŞ, Daniel-Ion VLĂDUŢ, Nicolae-Valentin VLĂDUŢ, Neluş-Evelin GHEORGHITĂ
- P 86 RESEARCH ON IMPROVING TOMATO GROWTH ON PERLITE SUBSTRATE BY HORSE URINE AND BENEFITS FOR PLANT RESISTANCE TO PATHOGENS,** Carmen COARFĂ, Sorin MATEI, Gabi-Mirela MATEI, Ovidiu Ionuţ JERCA, Elena Maria DRĂGHICI
- P 87 STUDIES ON STABILITY OF GRAINS WEIGHT FROM PANICLE TO A COLLECTION OF OATS AUTUMN (*AVENA SATIVA L.*) GENOTYPES,** Emilian MADOSA, Giancarla VELICEVICI, Sorin CIULCA, Adriana CIULCA, Constantin AVADANEI, Lavinia SASU, Marcel DANCI
- P 88 GENETIC ANALYSIS OF CHLOROPHYLL CONTENT IN BARLEY (*HORDEUM VULGARE L.*),** Emilian MADOSA, Giancarla VELICEVICI, Adriana CIULCA, Sorin CIULCA
- P 89 PRELIMINARY RESULTS ON USING CAPILLARY DYNAMOLYSIS IN ASSESSING THE EFFECT OF STRUCTURED WATER ON CUCUMBER PLANTS,** Florin ENACHE, Sorin MATEI, Gabi-Mirela MATEI, Ionuţ Ovidiu JERCA, Elena Maria DRĂGHICI
- P 90 MORPHOLOGICAL PROPERTIES OF DIRECTLY SOWED AND TRANSPLANTED SWEET CORN PLANTS CULTIVATED WITH COVERING TECHNOLOGIES,** Ferenc OROSZ
- P 91 MICROMORPHOLOGICAL AND BIOCHEMICAL ASPECTS IN *MENTHA x PIPERITA L.* FOR INDUSTRIAL APPLICATIONS,** Jailawi Asmaa ALI, Monica Luminiţa BADEA, Vlad POPA, Sorin MATEI, Gabi-Mirela MATEI, Oana Crina BUJOR, Elena Maria DRĂGHICI
- P 92 IMPACT OF VIBRATORY TILLAGE ON SOIL LOOSENING,** Neluş-Evelin GHEORGHITĂ, Sorin-Ştefan BIRIŞ, Luminiţa-Georgiana MIHĂILĂ
- P 93 RESEARCH OF THE PRODUCTIVITY OF AGRICULTURAL CROPS WITH UNMANNED AERIAL VEHICLES,** Elena MELIKHOVA, Aleksey ROGACHEV, Natalya ZOLOTYKH

- P 94 THE USE OF WASTEWATER FROM THE RECIRCULATING AQUACULTURE SYSTEM FOR BASIL CULTIVATION AND ITS EFFECTS ON THE ESSENTIAL OIL COMPOSITION**, Marian BURDUCEA, Ivayla DINCHEVA, Ilian BADJAKOV, Lenuta DIRVARIU, Alin-Cristian BARBACARIU, Valtcho D. ZHELJAZKOV
- P 95 ECO-FRIENDLY WATER-RETAINING AGENTS AS THE BASIS FOR POTATO AGROTECHNOLOGY (BLACK-EARTH REGION, RUSSIA)**, Alexey LUKIN, Olga MARAEVA, Tatyana NEKRASOVA, Nadezhda PODLESNYKH, Aleksander KASHIRIN, Vyacheslav KUZNETSOV, Vladimir SELEMENEV
- P 96 BIOCHEMICAL CHARACTERISTICS OF MEDICINAL RAW MATERIALS OF MYRTUS COMMUNIS L. IN CONDITIONS OF THE SOUTHERN COAST OF THE CRIMEA**, Yuri PLUGATAR, Ekaterina BAKOVA, Oksana SHEVCHUK, Anfica PALIY, Nadezhda BAKOVA
- P 97 GENETIC DIVERSITY ANALYSIS OF SUGAR BEET PARENTAL LINES USING MOLECULAR MARKERS**, Nataliya BOGACHEVA, Galina SOKOLENKO
- P 98 SOWING QUALITIES AND YIELDING PROPERTIES OF SUDAN GRASS (*Sorghum sudanense*) DEPENDING ON FRACTIONATION OF SEEDS AND SEEDING RATE**, Tatiana KRIUKOVA, Georgiy SHENTSEV
- P 99 THE INFLUENCE OF CLIMATIC FACTORS ON THE REALIZATION OF POTENTIAL PRODUCTIVITY OF SPRING WHEAT**, Tatyana ASEEVA, Natalia SAVCHENKO
- P 100 THE INFLUENCE OF CONTINUOUS ANTHROPOGENIC PRESSURE ON FERTILITY AND BIOLOGICAL ACTIVITY OF SOILS**, Tatyana ASEEVA, Natalia SAVCHENKO, Natalia SELEZNEVA, Sergey SHMIGIRILOV
- P 101 QUANTITATIVE PHENOTYPIC CHARACTERISTICS OF PARENT PLANTS OF SOYBEAN CULTIVAR BATYA**, Tatyana ASEEVA, Tamara FEDOROVA, Sergey SHUKYUROV, Natalia SAVCHENKO
- P 102 FORMATION OF SPRING TRITICALE GRAIN YIELD IN CONDITIONS OF MONSOON CLIMATE**, Tatyana ASEEVA, Kristina ZENKINA, Egor TOLOCHKO
- P 103 FEATURES OF THE INFLUENCE OF CLIMATIC FACTORS ON THE CROP AND QUALITY OF GRAIN OF SPRING OATS**, Tatyana ASEEVA, Irina TRIFUNTOVA, Egor TOLOCHKO
- P 104 CHEMICAL COMPOSITION AND YIELD OF DILL AS AFFECTED BY METALURGICAL SLAG AND ORGANIC FERTILIZER APPLIANCE TO MARGINAL SOIL**, Aleksandra STANOJKOVIĆ-SEBIĆ, Radmila PIVIĆ, Zoran DINIĆ, Dobrivoj POŠTIĆ, Ratibor ŠTRBANVIĆ
- P 105 CORRELATION BETWEEN PATHOGENICITY AND MYCOTOXIN SYNTHESIS OF *FUSARIUM GRAMINEARUM* ISOLATES ORIGINATING FROM BARLEY GRAIN**, Ana STEPANIĆ, Vesna KRNJAJA, Marija KOSTADINOVIĆ, Danijela RISTIĆ, Milan STEVANOVIĆ, Ana NIKOLIĆ, Slavica STANKOVIĆ
- P 106 PRODUCTIVITY OF RED CLOVER-ITALIAN RYEGRASS MIXTURES ON ACIDIC SOIL DEPENDING OF THE LIMING**, Dalibor TOMIĆ, Đorđe LAZAREVIĆ, Vladeta STEVOVIĆ, Dragan ĐUROVIĆ, Milomirka MADIĆ, Vladimir ZORNIĆ, Jasmina KNEŽEVIĆ
- P 107 MOLECULAR CHARACTERISATION OF MAIZE HYBRIDS**, Danijela RISTIĆ, Marija KOSTADINOVIĆ, Natalija KRAVIĆ, Anika KOVINČIĆ, Ana OBRADOVIĆ, Milan STEVANOVIĆ, Jovan PAVLOV
- P 108 THE UTILITY OF AGRO-MORPHOLOGICAL DESCRIPTORS IN UNIFORMITY AND STABILITY DETERMINATION OF MAIZE INBREDS**, Anika KOVINČIĆ, Ksenija MARKOVIĆ, Danijela RISTIĆ, Vojka BABIĆ, Marija KOSTADINOVIĆ, Natalija KRAVIĆ
- P 109 INCREASE IN GROWTH AND YIELD OF SOYBEAN IN FIELD TRIAL BY IAA-PRODUCING MUTANT *BACILLUS* SP. CO-INOCULATED WITH *B. JAPONICUM***, Renata ILIČIĆ, Dragana LATKOVIĆ, Dragana JOŠIĆ
- P 110 EFFECT OF DIFFERENT DOSES OF NITROGEN FERTILIZER AND VARIETY ON THE YIELD AND GRAIN QUALITY OF WINTER TRITICALE**, Dragana LALEVIĆ, Milan BIBERDŽIĆ, Lidija MILENKOVIĆ
- P 111 EFFICIENCY OF EQUIPMENT FOR CLEANING OF THE NATURAL RED CLOVER (*TRIFOLIUM PRATENSE* L.) SEEDS**, Dragoslav ĐOKIĆ, Rade STANISAVLJEVIĆ, Dragan TERZIĆ, Jasmina MILENKOVIĆ, Tanja VASIĆ, Jordan MARKOVIĆ, Ranko KOPRIVICA

- P 112 DYNAMICS OF FORMATION, GRAIN FILLING AND MATURATION OF SOME WINTER WHEAT CULTIVARS WITH DIFFERENT LENGTH OF VEGETATION**, Goran JACIMOVIĆ, Vladimir ACIN, Jovan CRNOBARAC, Dragana LATKOVIĆ, Ljiljana BRBAKLJIĆ, Jelena VISKOVIĆ, Dušan DUNĐERSKI
- P 113 RESPONSE OF SUNFLOWER HYBRIDS TO STAND DENSITY**, Igor BALALIĆ, Jovan CRNOBARAC, Vladimir MIKLIĆ, Velimir RADIĆ, Nenad DUŠANIĆ
- P 114 SSR ANALYSIS OF MOLECULAR VARIANCE (AMOVA) FOR RED CLOVER GENOTYPES**, Irena RADINOVIĆ, Šanja VASILJEVIĆ, Dragan PEROVIĆ, Gordana BRANKOVIĆ, Branko MILOŠEVIĆ, Gordana SURLAN-MOMIROVIĆ
- P 115 THE SIGNIFICANCE OF CLIMATE VARIABILITY ON THE PRODUCTION OF WHEAT AND RAPESEED IN SERBIA**, Jasmina KNEŽEVIĆ, Mirosljub AKSIĆ, Dalibor TOMIĆ, Vera DJEKIĆ, Nebojša GUDŽIĆ, Dragan TERZIĆ, Dobrivoje POSTIĆ, Rade STANISAVLJEVIĆ
- P 116 THE INFLUENCE OF PLANT CUTTING ON GRAIN YIELD TRAITS IN MAIZE**, Jelena VANČETKOVIĆ, Dragana IGNJATOVIĆ-MIČIĆ, Sofija BOŽINOVIĆ, Ana NIKOLIĆ, Dejan DODIG, Vesna KANDIĆ, Olivera ĐORĐEVIĆ MELNIK
- P 117 EFFECT OF GROWTH STAGE ON MINERAL CONCENTRATION IN THE TOP ALFALFA AND DRY MATTER YIELD**, Jordan MARKOVIĆ, Dragan TERZIĆ, Tanja VASIĆ, Snežana ANĐELKOVIĆ, Mirjana PETROVIĆ, Dragoslav ĐOKIĆ, Snežana BABIĆ
- P 118 ESTIMATION OF YIELD STABILITY OF ZP MAIZE HYBRIDS USING DIFFERENT STATISTICAL MODELS**, Jovan PAJLOV, Nenad DELIĆ, Milan STEVANOVIĆ, Zoran ČAMDŽIJA, Gordana BRANKOVIĆ, Ana STEPANIĆ, Marija KOSTADINOVIĆ
- P 119 SELECTION OF DIFFERENTIALLY EXPRESSED GENES IN *CENTAURIUM ERYTHRAEA* RAFN. DURING *IN VITRO* SOMATIC EMBRYOGENESIS**, Katarina ČUKOVIĆ, Milan DRAGIČEVIĆ, Slađana TODOROVIĆ, Milica BOGDANOVIĆ, Ana SIMONOVIĆ
- P 120 VARIABILITY OF QUALITY AND RHEOLOGICAL PROPERTIES IN WINTER WHEAT UNDER THE INFLUENCE OF ECOLOGICAL FACTORS**, Kristina LUKOVIĆ, Veselinka ZEČEVIĆ, Vladimir PERIŠIĆ, Vesna PERIŠIĆ, Vera RAJIĆIĆ, Kamenko BRATKOVIĆ, Mirela MATKOVIĆ STOJŠIN
- P 121 CHANGE IN ACIDITY AND MOBILE ALUMINIUM LEVELS IN FOREST, MEADOW AND ARABLE LAND PSEUDogley SOILS**, Marijana DUGALIĆ, Ljiljana BOŠKOVIĆ-RAKOČEVIĆ, Goran DUGALIĆ
- P 122 IDENTIFICATION OF MOLECULAR MARKERS FOR FOREGROUND AND BACKGROUND SELECTION IN *Gai-S* INCORPORATION INTO MAIZE LINES**, Marija KOSTADINOVIĆ, Dragana IGNJATOVIĆ-MIČIĆ, Jelena VANČETKOVIĆ, Danijela RISTIĆ, Ana OBRADOVIĆ, Olivera ĐORĐEVIĆ MELNIK, Anika KOVINČIĆ
- P 123 EFFECT OF DIFFERENT SEED TREATMENTS ON DORMANCY BREAKING AND GERMINATION OF *ACER CAPILLIPES MAXIM.***, Marija MARKOVIĆ, Mihailo GRBIĆ, Dragana SKOČAJIĆ, Matilda ĐUKIĆ, Danijela ĐUNISIJEVIĆ-BOJOVIĆ
- P 124 THE INFLUENCE OF DIFFERENT TREATMENTS ON THE SEED GERMINATION OF *COTONEASTER MULTIFLORUS BUNGE.***, Marija MARKOVIĆ, Mihailo GRBIĆ, Dragana SKOČAJIĆ, Matilda ĐUKIĆ, Danijela ĐUNISIJEVIĆ-BOJOVIĆ
- P 125 GERMINATION OF *CAPPARIS SPINOSA L.* SEEDS UNDER DIFFERENT DORMANCY BREAKING TREATMENTS**, Marija MARKOVIĆ, Mihailo GRBIĆ, Dragana SKOČAJIĆ, Matilda ĐUKIĆ, Danijela ĐUNISIJEVIĆ-BOJOVIĆ
- P 126 THE EFFECTIVENESS OF SOIL TILLAGE SYSTEMS IN MAIZE CULTIVATION UNDER VARIABLE METEOROLOGICAL CONDITIONS OF CENTRAL SERBIA**, Milena SIMIĆ, Vesna DRAGIČEVIĆ, Branka KRESOVIĆ, Dušan KOVAČEVIĆ, Željko DOLIJANOVIĆ, Milan BRANKOV
- P 127 MINERAL COMPOSITION OF TWO PEPPER CULTIVARS (*CAPSICUM ANNUUM L.*) FROM SERBIA AT THREE RIPENING STAGES**, Milica LUČIĆ, Ivana SREDOVIĆ IGNJATOVIĆ, Slađana ĐURĐIĆ, Antonije ONJIA
- P 128 INFLUENCE OF CULTIVAR, MICROBIOLOGICAL FERTILIZERS AND GROWING SEASONS ON NITRATE CONTENT IN LETTUCE**, Milica STOJANOVIĆ, Milena ŽUŽA, Ivana PETROVIĆ, Đorđe MORAVČEVIĆ, Gorica CVIJANOVIĆ, Dragoslav MUTAVDŽIĆ, Slađana SAVIĆ

- P 129 VARIATION IN MORPHOLOGICAL AND CHEMICAL TRAITS IN RED AND YELLOW MINI WATERMELON**, Milica STOJANOVIĆ, Đorđe MORAVČEVIĆ, Slađana SAVIĆ, Jelena DRAGIŠIĆ MAKSIMOVIĆ, Vuk MAKSIMOVIĆ
- P 130 EFFECT OF CULTIVAR AND YEAR ON YIELD AND GRAIN QUALITY OF TWO-ROW SPRING BARLEY**, Milomirka MADIĆ, Dragan ĐUROVIĆ, Aleksandar PAUNOVIĆ, Vladeta STEVOVIĆ, Dalibor TOMIĆ, Desimir KNEŽEVIĆ, Vera ĐEKIĆ
- P 131 COMPARATION VEGETATION INDICES FROM DIFFERENT SENSORS FOR GRAIN YIELD TRAITS ASSESSMENT IN MAIZE (*ZEA MAYS L.*)**, Nataša LJUBIČIĆ, Marko KOSTIĆ, Aristotelis TAGARAKIS, Bojana IVOŠEVIĆ, Branislav PEJAK, Predrag LUGONJA
- P 132 THE EFFECT OF LIMING ON THE ALUMINIUM CONTENT IN A WHEAT ROOT**, Nebojša GUDZIĆ, Gordana ŠEKULARAC, Vera RAJIČIĆ, Slaviša GUDZIĆ, Miroљjub AKSIĆ, Dragan GRČAK, Aleksandar ĐIKIĆ, Jasmina KNEŽEVIĆ
- P 133 GENERAL COMBINING ABILITIES OF ELITE MAIZE INBRED LINES FOR YIELD AND IMPORTANT TRAITS**, Nikola GRČIĆ, Ana STEPANIĆ, Marko MLADENOVIĆ, Milan STEVANOVIĆ, Jovan PAVLOV, Zoran ČAMDŽIJA
- P 134 EFFECT OF DRYING ON THE CHANGE OF SUGAR CONTENT IN PLUM FRUITS**, Olga MITROVIĆ, Branko POPOVIĆ, Nemanja MILETIĆ, Aleksandar LEPOSAVIĆ, Aleksandra KORICANAC
- P 135 THE COMPOSITION OF POLLENIZERS FOR SWEET CHERRY (*Prunus avium L.*) CULTIVARS RELEASED IN THE REPUBLIC OF SERBIA**, Sanja RADIČEVIĆ, Slađana MARIĆ, Milica FOTIRIĆ-AKŠIĆ, Radosav CERVIĆ, Milena ĐORĐEVIĆ, Nebojša MILOŠEVIĆ, Ivana GLIŠIĆ
- P 136 RESULTS OF TESTING THE SOWING AGGREGATES FOR PLANTING THE NARROW-ROW CROPS WITH CONVENTIONAL AND REDUCED TILLAGE**, Saša BARAĆ, Milan BIBERDŽIĆ, Dragan PETROVIĆ, Aleksandar ĐIKIĆ, Rade RADOJEVIĆ, Aleksandar VUKOVIĆ, Dragoslav ĐOKIĆ
- P 137 THE INFLUENCE OF THE BERRY SIZE ON THE SKIN ANTHOCYANINS CONTENT OF SOME BLACK WINE VARIETIES**, Saša MATIJAŠEVIĆ, Milica LAZAREVIĆ, Srboljub ISAJLOVIĆ, Zorica RANKOVIĆ-VASIĆ, Dragan NIKOLIĆ, Mirjana RUML, Zoran PRŽIĆ, Dušica ČIRKOVIĆ, Bratislav ČIRKOVIĆ
- P 138 LENGTH OF THE ONE-YEAR-OLD BRANCHES AND CATKIN POSITION ON THEM AFFECT QUANTITY AND MORPHOLOGICAL CHARACTERISTICS OF STAMINATE FLOWERS IN WALNUT**, Slađana JANKOVIĆ, Jelena STANKOVIĆ, Dragan JANKOVIĆ, Zoran NIKOLIĆ, Gorica PAUNOVIĆ, Bratislav ČIRKOVIĆ
- P 139 EFFECT OF GIBBERELLIC ACID (GA₃) ON SEED GERMINATION AND SEEDLING GROWTH IN WALNUT (*JUGLANS REGIA L.*)**, Slađana JANKOVIĆ, Jelena STANKOVIĆ, Dragan JANKOVIĆ, Zoran NIKOLIĆ, Gorica PAUNOVIĆ, Bratislav ČIRKOVIĆ
- P 140 THE EFFECT OF TEMPERATURE ON POLLEN GERMINATION OF TWO WALNUT CULTIVARS**, Slađana JANKOVIĆ, Jelena STANKOVIĆ, Dragan JANKOVIĆ, Zoran NIKOLIĆ, Gorica PAUNOVIĆ, Bratislav ČIRKOVIĆ
- P 141 IDENTIFICATION OF S-ALLELES IN SOME INDIGENOUS SWEET CHERRY GENOTYPES GROWN IN OHRID REGION**, Slađana MARIĆ, Sanja RADIČEVIĆ, Melpomena POPOVSKA, Viktor GJAMOVSKI, Nebojša MILOŠEVIĆ
- P 142 YIELD AND CONTENT OF STARCH AND PROTEIN IN THE SEED OF THE QUINOA GENOTYPES PUNO AND TITICACA**, Slađana SAVIĆ, Borisz CZEKUS, Ivana PETROVIĆ, Milena MARJANOVIĆ, Zorica JOVANOVIĆ, Radmila STIKIĆ
- P 143 SOIL PROPERTIES AND QUALITY GRASSLANDS OF THE MUNICIPALITY OF IVANJICA**, Snežana ANĐELKOVIĆ, Tanja VASIĆ, Snežana BABIĆ, Mirjana PETROVIĆ, Zoran LUGIĆ, Vladimir ZORNIĆ, Goran JEVTIĆ
- P 144 BOJANICAL COMPOSITION AND FORAGE QUALITY OF NATURAL GRASSLANDS OF PESTER HIGHLANDS**, Snežana BABIĆ, Zoran LUGIĆ, Dejan SOKOLOVIĆ, Mirjana PETROVIĆ, Vladimir ZORNIĆ, Snežana ANĐELKOVIĆ, Djordje LAZAREVIĆ
- P 145 PRECEDING CROPS AND PRODUCTIVITY OF CORN**, Ljubiša ŽIVANOVIĆ, Snežana JANKOVIĆ, Sveto RAKIĆ, Ljubiša KOLARIĆ, Jela IKANOVIĆ, Radojica RAKIĆ

- P 146 NUTRITIVE CHARACTERISTICS AND ANTIOXIDANT ACTIVITY OF PSEUDOGRAINS**, Bojana VIDOVIĆ, Mirjana MARČETIĆ, Snežana JANKOVIĆ, Sveto RAKIĆ, Maja PAVLOVIĆ, Katarina PERIŠIĆ, Radojica RAKIĆ
- P 147 VARIABILITY OF CAROTENOIDS AND TOCOPHEROLS CONTENT IN MAIZE INBRED LINES**, Snežana MLADENOVIĆ DRINIĆ, Jelena MESAROVIĆ, Natalija KRAVIĆ, Jelena SRDIĆ, Milan STEVANOVIĆ, Ana NIKOLIĆ, Violeta ANĐELKOVIĆ
- P 148 THE EFFECT OF CYTOPLASMATIC MALE STERILITY ON YIELD AND YIELD COMPONENTS OF MAIZE INBRED LINES**, Milan STEVANOVIĆ, Snežana MLADENOVIĆ DRINIĆ, Jovan PAVLOV, Nikola GRČIĆ, Danijela RISTIĆ, Milica NIKOLIĆ, Iva SAVIĆ
- P 149 MINERAL ELEMENTS TRANSLOCATION AND RELATIVE YIELD AND YIELD COMPONENTS TOLERANCE IN WHEAT GROWN ON SOLONETZ SOIL**, Sofija PETROVIĆ, Miodrag DIMITRIJEVIĆ, Borislav BANJAC, Petar SEKULIĆ
- P 150 A PROTOCOL FOR *IN VITRO* PROPAGATION OF RED RASPBERRY**, Tatjana MARJANOVIĆ, Tatjana VUJOVIĆ, Darko JEVREMOVIĆ
- P 151 GRAIN YIELD AND QUALITY OF WINTER WHEAT CULTIVARS**, Vera RAJIČIĆ, Vesna PERIŠIĆ, Milomirka MADIĆ, Vera POPOVIĆ, Vladimir PERIŠIĆ, Kristina LUKOVIĆ, Dragan TERZIĆ
- P 152 EFFECT OF YEAR AND FERTILIZATION ON WINTER BARLEY QUALITY**, Vera RAJIČIĆ, Jelena MILIČKOVIĆ, Dragan TERZIĆ, Milan BIBERDŽIĆ, Ranko KOPRIVICA, Dragan GRČAK, Milosav GRČAK
- P 153 NUTRIENTS STATUS IN MAIZE GRAIN FROM SUSTAINABLE AGRICULTURE**, Vesna DRAGIČEVIĆ, Milena SIMIĆ, Milan BRANKOV, Milovan STOILJKOVIĆ, Branka KRESOVIĆ, Miodrag TOLMIR
- P 154 NITROGEN FERTILIZATION AND SOWING DENSITY INFLUENCE ON WINTER WHEAT YIELD AND YIELD COMPONENTS**, Vladimir AČIN, Milan MIROSAVLJEVIĆ, Goran JAČIMOVIĆ, Bojan JOCKOVIĆ, Ljiljana BRBAKLIĆ, Dragan ŽIVANČEV, Sonja ILIN
- P 155 DETERMINATION OF PHYSICAL AND CHEMICAL PARAMETERS OF SELECTED VARIETIES OF BUTTERNUT SQUASH (*CUCURBITA MOSCHATA* DUCH. EX POIR.)**, Alena ANDREJIOVA, Alžbeta HEGEDŰSOVÁ, Adriána MATOVÁ, Ondrej HEGEDŰS, Andrea VARGOVA
- P 156 GENOTYPE VARIABILITY OF OAT BY DIFFERENT PROTEIN SEPARATION METHODS**, Edita GREGOVÁ, Peter HOZLÁR, Svetlana ŠLIKOVÁ
- P 157 CHARACTERIZATION OF GENETIC MARKERS CORRELATED WITH BISCUIT QUALITY AND ITS APPLICATION IN MOLECULAR WHEAT BREEDING**, Svetlana ŠLIKOVÁ, Edita GREGOVÁ, Dongcheng LIU, Fengwu ZHAO, Erika ZETOCHOVÁ, Csaba LANTOS, János PAUK
- P 158 EFFECT OF SELENIUM BIOFORTIFICATION IN BREAD MAKING WHEAT UNDER SEMIARID CONDITIONS**, Angelica RIVERA-MARTIN, Dolores REYNOLDS-MARZAL, Oscar SANTAMARIA, Nuno PINHEIRO, Maria J. POBLACIONES
- P 159 EFFECT OF SOIL AND FOLIAR ZINCBIOFORTIFICATION IN FIELD PEAS UNDER SEMIARID CONDITIONS**, Dolores REYNOLDS-MARZAL, Angelica RIVERA-MARTIN, Teodoro GARCIA-WHITE, Sara RODRIGO, Maria J. POBLACIONES
- P 160 THE ROLE OF MADS-BOX GENES IN THE DEVELOPMENT OF THE BARLEY INFLORESCENCE**, Quinn Kalby HECK, Mats HANSSON, Helmy M YOUSSEF
- P 161 CLONAL PROPAGATION CAPACITY OF TWO NEW APPLE ROOTSTOCKS BY STOOLING**, Ola T. ALHALABI, Bayan M. MUZHER
- P 162 INFLUENCE OF TWO APPLE ROOTSTOCKS ON LEAVES AND FRUITS MINERAL CONTENT OF STARKRIMSON CULTIVAR UNDER RAINFED CONDITIONS**, Bayan M. MUZHER, Ola T. ALHALABI, Talaat AMER, Sami HENNAWI
- P 163 PISTACHIO KERNEL CONTENT OF MINERAL ELEMENTS, PROTEIN AND TOTAL OIL UNDER RAIN-FED CULTIVATION IN SYRIA**, Najwa M. ALHAJJAR, Talat AMER, Bayan M. MUZHER
- P 164 IMPACT OF CASHEW SEED STORAGE PERIOD AND SIZE ON GERMINATION AND SEEDLINGS GROWTH VIGOR IN SOUTH-EASTERN TANZANIA**, Kasiga NGIHA, Abdallah Rajabu MAKALE, Fortunus KAPINGA, Gerald ALEX

- P 165** **IN VITRO MYCORRHIZATION OF *PYRUS COMMUNIS***, Mariem LOTFI, Stefaan WERBROUCK, Messaoud MARS
- P 166** **EFFECTS OF LIGHT EMITTING DIODES AND TRANS-CINNAMIC ACID ON MICROPROPAGATION OF *PYRUS COMMUNIS***, Mariem LOTFI, Stefaan WERBROUCK, Messaoud MARS
- P 167** **IDENTIFICATION OF RESISTANCE SOURCES TO *SEPTORIA TRITICI* BLOTCH IN CROSSES OF TUNISIAN DURUM WHEAT GERMOPLOSM**, Marwa HASSINE, Fathi BNEJDI, Bochra BAHRI, Walid HAMADA
- P 168** **ANTIBACTERIAL ACTIVITIES OF ESSENTIAL OILS ISOLATED FROM MEDICINAL PLANTS AGAINST SOFT ROT BACTERIAL DISEASE AGENTS OF POTATO**, Feray KARABÜYÜK, Soner SOYLU
- P 169** **GENOTYPES ENVIRONMENT (GXE) INTERACTION AND ASSESSMENT OF BREAD WHEAT (*Triticum aestivum* L.) GENOTYPES UNDER RAINFED CONDITION**, İrfan ÖZTÜRK
- P 170** **THE EFFECTS OF DIFFERENT FROST PROTECTANT COMPOUNDS ON THE SPRING FROST HARDINESS OF ALMONDS**, İzzet ACAR, Ziya YILDIZ, Birgul DIKMETAS
- P 171** **SPRING WHEAT VARIETIES WITH THE ENHANCED ABILITY TO GROW UNDER MINERAL DEFICIENCY IN SOILS AND INCREASED CONCENTRATION OF MINERALS IN GRAINS**, Orysia MAKAR, Yana KAVULYCH, Ostap PATSULA, Lubov BUNIO, Tetiana BATRASHKINA, Iryna DERKACH, Volodymyr KOZLOVSKYY, Anastasiya FETSUKH, Ju-Chen CHIA, Olena ZAVODNA, Olena VATAMANIUK, Mark SORRELLS, Olga TEREK, Nataliya ROMANYUK
- P 172** **BIOCHEMICAL STRESS MARKERS OF PLANTS IN CONDITIONS OF FOREST AND PARK ECOSYSTEMS**, Oksana KLYACHENKO, Artur LIKHANOV, Nataliya MIROSHNYK, Igor TESLENKO
- P 173** **COMPARATIVE EFFECTS OF AGRICULTURAL POWDER LIME AND LIQUID LIME ON GROWTH OF MORINGA**, Kayphas KALUBA
- P 174** **EXPLOITING THE NUTRITIONAL POTENTIAL OF MINOR FRUITS OF RAWLAKOT TO DIVERSIFY THE FOOD CHOICES OF INDIGENOUS COMMUNITIES**, Mehdi MAQBOOL, Noosheen ZAHID, Syed ZA SHAH, Abdul HAMID
- P 175** **THE ROLE OF SUPPLEMENTARY IRRIGATION FOR FOOD PRODUCTION IN A SEMI-ARID COUNTRY PALESTINE**, Mohammed Yousef SBEIH
- P 176** **PRODUCTIVITY AND BIOCHEMICAL COMPOSITION OF SOYBEAN GRAIN, DEPENDING ON THE MEANS OF PROTECTION**, Tatyana ASEVA, Anna TISHKOVA, Natalia SAVCHENKO
- P 177** **THE EFFECT OF DIFFERENT FERTILIZER APPLICATIONS ON PLANT DEVELOPMENT AND FLOWERING OF DEMRE PEPPER**, Fikret YASAR, Ozlem UZAL
- P 178** **EFFECT OF NITRIC OXIDE (NO) APPLICATION ON THE DEVELOPMENT OF PEPPER PLANT UNDER DROUGHT STRESS**, Fikret YASAR, Ozlem UZAL
- P 179** **DIE-BACK OF THE SIIRT CULTIVAR SEEDLINGS USED AS ROOTSTOCK FOR PISTACHIO TREES**, İzzet ACAR, Fevzi CEVIK, Bekir Erol AK
- P 180** **DETERMINATION OF EFFECTS OF INFLORESCENCE THINNING ON YIELD, QUALITY AND ALTERNATE BEARING IN PISTACHIO TREES**, İzzet ACAR, M. Sirin YILDIRIM
- P 181** **YIELD AND THE QUALITY OF THE WEATH GRAIN IN A YEAR WITH EXTREME WEATHER CONDITIONS**, Borislav PETKOVIĆ, Ilija KOMLJENOVIC, Darko ACIMOVIC
- P 182** **THE IMPACT OF INCREASING VOLUME APPLICATIONS OF MINERAL FERTILIZER ON VARIABILITY OF THE NATURAL MEADOWS YIELDS TYPE OF *AGROSTIETUM VULGARIS***, Borislav PETKOVIĆ, Novo PRŽULJ, Vojo RADIC
- P 183** **VIRTUAL CEREAL WATER IN ALGERIA: BLESSING OR CURSE?**, Lakhdar ZELLA, Dalila SMADHI
- P 184** **WHEAT PHYSIOLOGICAL TRAITS, GRAIN YIELD AND YIELD COMPONENTS UNDER DROUGHT STRESS**, Tofig I. ALLAHVERDIYEV
- P 185** **MITIGATION OF SALINITY STRESS USING MAGNETICALLY TREATED WATER AND K-HUMATE ON SUNFLOWER PRODUCTIVITY**, Mahmoud HOZAYN, Mohamed FAROUK, Abd El-Kareem EL-SAADY, Essam HOBALLA

- P 186** **INDOL-3-ACETIC ACID RESCUES PLANT GROWTH AND YIELD IN SALINITY STRESSED TOMATO (*LYCOPERSICON ESCULENTUM* L.),** Mehboob ALAM, Muhammad AYAZ KHAN, Muhammad IMTIAZ, Muhammad ALI KHAN, Muhammad NAEEM, Syed ASIM SHAH, Samiullah, Sayed HAMAD AHMAD, Lajbar KHAN
- P 187** **LACTUCA CRACOVIENSIS SAWICZ. – AN ETHNOBOTANICAL STUDY OF A NEGLECTED POLISH VEGETABLE,** Agnieszka SĘKARA, Andrzej KALISZ, Robert GRUSZECKI
- P 188** **EFFECT OF DIFFERENT SIZES OF (PRE BASIC SEEDS) MINITUBER ON PLANT GROWTH AND SEED YIELD OF POTATO,** Shyama Nadeeka HETTIARACHCHI, Nilusha AMARASINGHA, George Chandra BABU, Kanagarathnam DAYANI AND RATHNAKUMARA
- P 189** **EFFECT OF SOME BOTANICAL OILS ON THE CONTROL OF THE COTTON JASSID, JACOBIVASCA LYBICA (DE BERG)(HEMIPTERA: CICADELLIDAE) ON EGGPLANT AT GAZIRA AND KHARTOUM STATES, SUDAN,** Faiza E. E. SALAH, Mohamed B. M. HASSAN
- P 190** **CLASSIFICATION OF BARLEY VARIETIES BY ARTIFICIAL NEURAL NETWORKS,** Alper TANER, Yeşim Benal ÖZTEKİN, Hüseyin DURAN
- P 191** **BIOCHEMICAL DIVERSITY OF UGANDAN CULTIVATED COFFEA CANEPHORA SENSORY ORGANOLEPTIC CUP ATTRIBUTES,** Pauline ALUKA, Fabrice DAVRRIEUX, Kahiu NGUGI, Fidel BAKOMEZA, Beatrice NEUMBE, Rita KYAMUHANGIRE, Fourny GERARD, Henry NGABIRANO
- P 192** **EVALUATION OF ANDROGENIC COMPETENCE OF DIFFERENT PEPPER, TOMATO AND EGGPLANT GENOTYPES,** Marija POCKOVSKA, Fidanka TRAJKOVA, Liljana KOLEVA GUDEVA
- P 193** **PRESERVING THE SUSTAINABILITY OF FIELD CROP SYSTEMS: OVERVIEW OF 50 YEARS OF TRIALS IN SWITZERLAND,** Sokrat SINAJ, Bernard JEANGROS
- P 194** **IMPORTANCE OF HARVESTER FOR MEDICINAL AND AROMATIC PLANTS,** Hüseyin DURAN, Yeşim Benal ÖZTEKİN, Alper TANER
- P 195** **EVALUATION OF DIFFERENT MECHANICAL HARVESTING SYSTEMS OF TABLE OLIVE (*OLEA EUROPAEA* CV. *GEMLIK*),** Muammer YALÇIN, Fazilet N. ALAYUNT, Bülent ÇAKMAK
- P 196** **SOME FACTORS AFFECTING FLAX FIBER YIELD AND QUALITY,** Omsalma GADALLA, Yesim Benal ÖZTEKİM
- P 197** **MECHANIZATION OF FIBER CROPS HARVESTING,** Omsalma GADALLA, Yesim Benal ÖZTEKİN, Hüseyin DURAN, Alper TANER
- P 198** **OBTAINING HAPLOID AND DIHAPLOID LINES IN EDIBLE SEED PUMPKIN (*CUCURBITA PEPO* L.),** Selcan EROĞLU, Önder TÜRKMEN, Ertan Sait KURTAR
- P 199** **WATER-YIELD RELATIONSHIPS IN SILAGE MAIZE IRRIGATED WITH DIFFERENT LEVELS UNDER DIFFERENT SOIL TILLAGE PRACTICE CONDITIONS,** Üstün ŞAHİN, Mesut C. ADİGÜZEL, Zinnur GÖZÜBÜYÜK, Erdal DAŞCI

PLANT PROTECTION AND FOOD SAFETY

Conference Hall C (Hotel Termag)

Friday, (October 4th, 2019), 18:00 - 18:30

Working committee

Chairpersons: Sanja LAZIC, Dragana SUNJKA

- P 200 EFFICACY OF TOTAL HERBICIDES ON WEED CONTROL WITHIN ROWS IN APPLE ORCHARD**, Arben MEHMETI, Zvonko PACANOSKI, Dardan BLAKAJ, Rozafa FETAHAJ, Muhamet ZOGAJ
- P 201 ANTIFUNGAL ACTIVITY OF MENTHA ROTUNDIFOLIA ESSENTIAL OIL AGAINST ALTERNARIA ALTERNATA**, Amina LEBLALTA, Daoud HARZALLAH, Semcheddine CHERRAD, Ibrahim DEMIRTAS
- P 202 EVALUATION OF THE SUPERFICIAL CONTAMINATION OF SHEEP CARCASSES FROM TWO SLAUGHTERHOUSES AT ALGERIA**, Asma DAHMANI, Khaled HARHOURA, Miriem AISSI, Safia ZENIA
- P 203 FUNGI IN THE OVINE CARCASSES ENVIRONMENT IN THE SLAUGHTERHOUSE OF STAOUELI IN NORTH OF ALGERIA**, Asma DAHMANI, Khaled HARHOURA, Miriem AISSI, Safia ZENIA
- P 204 STUDY OF CYSTICERCOSIS AND TOXOPLASMOSIS IN THE OVINE CARCASSES IN ALGERIA**, Asma DAHMANI, Khaled HARHOURA, Miriem AISSI, Safia ZENIA, Ahmed SAADI, Rachid KADOUR
- P 205 DISSEMINATION OF CTV IN THE AREA OF MITIDJA IN ALGERIA (2002/2012)**, Djamila LARBI, Khaled DJELOUAH, Anna Maria D'ONGHIA, Hadjira BELKAHLA, Chester ROISTACHER
- P 206 EFFECT OF TWO PROBIOTIC PRODUCTS ON PSEUDOMONAS AERUGINOSA, BACILLUS CERUS AND ENTEROBACTER CLOACAE**, Koula DOUKANI, Souhila TABAK
- P 207 PHYTOCHEMICAL AND BIOLOGICAL SCREENING OF APIACEAE THAPSIA GARGANICA L.**, Fatma ACHEUK, Khemais ABDELLAOUI, Wassima LAKHDARI, Abderrahmène DEHLIZ, Nora CHAHBAR, Messaouda BELAID, Lamia YALAOUI, Hadjer BOUKAHAL
- P 208 MUTAGENESIS AND IN VITRO SELECTION FOR IMPROVEMENT OF DATE PALM CVDEGLETNOUR AGAINST BAYOUD DISEASE**, KHELAFI, H., SEDRA, M.H., ABED, F., YATTA, D., DJELLAL, L., YAKHOU, M. S.
- P 209 INFLUENCE OF FOOD ADDITIVES ON PROBIOTIC BACTERIA ISOLATED FROM FRESH BEE POLLEN**, Daoud HARZALLAH, Zineb BELHAMRA, Hani BELHADJ, Amina LEBLALTA
- P 210 ANTIMICROBIAL ACTIVITY OF PGPR ACTINOBACTERIA**, Lamia AOUAR, Ines BOUKELOUL, Abderrahmane BENADJILA
- P 211 MINERAL NUTRITION AND LIPIDS IN CHENOPODIACEAE**, Mahi ZINEB
- P 212 EFFECTS OF DIFFERENT ACARICIDE TREATMENTS AGAINST VARROA JACOBSONI**, Karima MEKADEMI
- P 213 INVESTIGATION OF THE PRESENCE OF CITRUS TRISTEZA VIRUS IN CITRUS ORCHARDS OF CHLEF AREA (ALGERIA)**, Meziane MALİKA, Ali Arouss SAMİR, Kerouche MAAMARR, Hamdani FATİMA ZOHRA
- P 214 MOLECULAR STUDY OF CALLIPTAMUS BARBARUS (COSTA 1836) (ORTHOPTERA: ACRIDIDAE, CALLIPTAMINAE). ARE THE BIOFORMS 2 SUBSPECIES OR A NEW SPECIES?**, Moad ROUIBAH, Alejandro LÓPEZ-LÓPEZ, Juan José PRESA
- P 215 IS THERE A RELATIONSHIP BETWEEN MINERAL COMPOSITION OF CITRUS LEAVES AND INFESTATION BY APHIDS?**, Salim LEBBAL
- P 216 INTERSPECIFIC IDENTIFICATION OF SOME APHID SPECIES BASED ON THE MITOCHONDRIAL CYTOCHROME OXIDASE I (mtCOI) PARTIAL GENE**, Samir ALI AROUS, Yamina GUENAOU

- P 217** **YIELD AND THE QUALITY OF THE WEATH GRAIN IN A YEAR WITH EXTREME WEATHER CONDITIONS**, Borislav PETKOVIĆ, Ilija KOMLJENOVIC, Darko ACIMOVIC
- P 218** **EFFECT OF MODE PACKAGING AND STORAGE ON SENSORY PROPERTIES AND COLORS**, Danijela VASKOVIC, Midhat JAŠIĆ
- P 219** **LEGAL REQUIREMENTS FOR PREPARATION AND PRODUCTION OF FOOD IN BOSNIA AND HERZEGOVINA WITH SPECIAL REFERENCES ON THE ENTITY OF THE REPUBLIC OF SRPSKA**, Saša LALIĆ, Dragan VUJADINOVIC
- P 220** **TESTING ANTIBACTERIAL ACTIVITIES OF *SEMPERVIVUM TECTORUM***, Vesna KALABA, Željko SLADOJEVIĆ, Željka MARJANOVIĆ BALABAN, Dragana KALABA
- P 221** **ANTIBACTERIAL ACTIVITY OF PROPOLIS EXTRACTS FROM GREECE AND REPUBLIC OF SRPSKA (BOSNIA&HERZEGOVINA)**, Vesna KALABA, Tanja ILIĆ, Dragana KALABA, Željko SLADOJEVIĆ, Bojan GOLIC
- P 222** **RESULTS OF SPECIAL SURVEILLANCE PROGRAM FOR THE PRESENCE OF QUARANTINE PEST *XYLELLA FASTIDIOSA* (WELLS ET AL.) – PIERCE'S DISEASE IN REPUBLIC OF SRPSKA DURING 2015-2018**, Vojislav TRKULJA, Jelena MIHIĆ SALAPURA, Dragana KOVAČIĆ JOŠIĆ, Gordana BABIĆ, Bojana ČURKOVIĆ, Jelena VASIĆ, Bojana VUKOVIĆ, Jovana PRIJIĆ, Zorana MILADINOVIC
- P 223** **LABORATORY GERMINATION AND EPIPHYTIC MYCOPHLORA OF VARIOUS GENOTYPES OF SORGHUM (*SORGHUM BICOLOR* (L.) MOENCH)**, Mariya KASCHIEVA, Krasimira TANOVA
- P 224** **PHYTOCHEMICAL CHARACTERISTICS OF DIFFERENT MALTS AND POSSIBILITIES FOR THEIR APPLICATION IN FUNCTIONAL BEVERAGES**, Vesela SHOPSKA, Mina DZIVODEROVA-ZARCHEVA, Kristina IVANOVA, Petar NEDYALKOV, Rositsa DENKOVA-KOSTOVA, Maria KANEVA, Georgi KOSTOV
- P 225** **BIOLOGY, ECOLOGY AND CONTROL OF THE PLUM SEED WASP [*EURYTOMA SCHREINERI* SCHREINER (HYMENOPTERA: EURYTOMIDAE)]**, Veselin ARNAUDOV, Rositsa DAVIDOVA, Viktor VASILEV
- P 226** **CHANGES IN GERMINATION AND PRIMARILY GROWTH OF THREE CULTIVARS OF FENNEL UNDER APPLICATION OF DIFFERENT DIATOMITE TREATMENTS**, Mohamad Hesam SHAHRAJABIAN, Wenli SUN, Qi CHENG
- P 227** **ANISE SEED GERMINATION AND PRIMARILY GROWTH UNDER VARIOUS TREATMENTS OF GIBBERELIC ACID, BENZYLADENINE AND KINETIN**, Mohamad Hesam SHAHRAJABIAN, Wenli SUN, Qi CHENG
- P 228** **INTERCROPPING AND ORGANIC FERTILIZERS WITH COMPARATIVE ADVANTAGES IN SUSTAINABLE AGRICULTURE FOR MORE STABLE AGRICULTURAL SYSTEM**, Mohamad Hesam SHAHRAJABIAN, Wenli SUN, Mehdi KHOSHKHARAM, Peiman ZANDI, Qi CHENG
- P 229** **INTEGRATED PEST MANAGEMENT FOR TOMATO BY AUTONOMOUS ROBOT**, Ivan RANKIĆ, Libor LENŽA, Olga KRYŠTOFOVÁ, Ander ANSUATEGI, Carlos TUBÍO, Aitor GUTIERREZ, Oscar REY, María CAMPO-COSSÍO, Joaquín REYES, Michael PATTINSON, Vojtěch ADAM, Dalibor HÚSKA
- P 230** **EFFECTS OF ZINC OXIDE NANOPARTICLES ON *SOLANUM LYCOPERSICUM* L. AND VIABILITY OF *TENEBRIO MOLITOR* (TENEBRIONIDAE)**, Ivan RANKIĆ, Marek DVORÁK, Bořivoj KLEJDUS, Helena ŠTURÍKOVÁ, Dalibor HÚSKA
- P 231** **THE IMPACT OF TEMPERATURE ON LIFE HISTORY TRAITS OF THE BIRD CHERRY-OAT APHID, *RHOPALOSIPHUM PADI* (HEMIPTERA: APHIDIDAE) REARED ON WHEAT SEEDLINGS**, Embarak MAGED, Salem ALAA
- P 232** **CONTROL TRIALS OF ANABOLIC HORMONE RESIDUES IN TISSUES OF WILD AND FARMED NILE TILAPIA IN EGYPT**, Mohamed HAMADA, Reda KHADER, Abdel Rahman EL-BAGORY
- P 233** **ANTIFUNGAL ACTIVITY OF *THUJA ORIENTALIS* AGAINST TRANSMITTED SEED-BORNE *ALTERNARIA ZINNIAE*, CAUSING LEAF SPOT DISEASE IN ZINNIA (*ZINNIA ELEGANS* L.)**, Moustafa H. A. MOHARAM, Yasin M. Y. SOLIMAN

- P 234 THE AWARENESS OF HOUSEHOLD APPLE JUICE PRODUCERS ABOUT MYCOTOXIN PATULIN- A PILOT STUDY IN ESTONIA**, Ulvi MOOR, Priit PÖLDMA, Argo MOOR, Pille SUMBERG, Marge STARAST, Mariana MAANTE-KULJUS, Leila MAINLA, Kadri KARP
- P 235 MANAGEMENT OF YELLOW RUST ON WHEAT BY SOWING MIXTURES OF CULTIVARS WITH DIFFERENT RATIOS UNDER FIELD CONDITIONS**, Omran YOUSSEF, Ralf THOMAS VOEGELE, Abbas EL-HASAN
- P 236 QUALITY AND SENSORY EVOLUTION OF RED WINES ORIGINATING FROM PROTECTED DESIGNATION OF ORIGIN (PDO) NAOUSSA ZONE**, Elisavet BOULOUMPASI, Sokratis MARAS
- P 237 PHYSICO-CHEMICAL AND MICROBIOLOGICAL QUALITY PARAMETERS OF COMMERCIAL SAMPLES OF CV.CHONDROLIA CHALKIDIKIS GREEN OLIVES PRODUCED IN SMALL ENTERPRISES AND COTTAGE INDUSTRIES**, Elisavet BOULOUMPASI, Theoharis KONSTANTARAS, Kiriazis SIRALIS, Fotios KARAVANAS, Sofia-Eleni SKEMPI, Paraskevi MITLIANGA
- P 238 IMPLEMENTATION OF BIODYNAMIC VITICULTURE IN GREECE: AN OVERVIEW AND KEY CHALLENGES**, Elisavet BOULOUMPASI, Georgios GALATIANOS, Evangelia GATSOU, Vasileios GREVENIOTIS
- P 239 CONSUMERS' BEHAVIOR TOWARDS ORGANIC WINE IN GREECE**, Elisavet BOULOUMPASI, Apostolos THEOS, Spyridon MAMALIS
- P 240 COMPARING OF PREEMERGENT WEED CONTROL TECHNOLOGIES IN SOYBEAN (GLYCINE MAX)**, György PÁSZTOR, Bálint VÁRADI, Veronika DOBSZAI-TÓTH, Erzsébet NÁDASY
- P 241 DETERMINATION OF EYE IRRITATION POTENTIAL OF AGROCHEMICALS WITH 3D TISSUE MODEL**, István BUDA, Rita SZABÓ, József LEHEL, Péter BUDAI
- P 242 MODEL STUDY TO INVESTIGATE THE TOXIC INTERACTION BETWEEN GLYPHOSATE AND COPPER SULPHATE ON CHICKEN EMBRYOS**, Rita SZABÓ, Péter BUDAI, Éva KORMOS, István BUDA, Adrienn GRÚZ, Géza SZEMERÉDY, József LEHEL, Rita FÁTH
- P 243 STUDIES ON DISSIPATION KINETICS AND RISK ASSESSMENT OF IMIDACLOPRID RESIDUES AND BIOEFFICACY OF SOME INSECTICIDES AGAINST HEMIPTERAN PEST IN OKRA**, R.M. SRIVASTAVA, SNEHA JOSHI, A. AHAMAD
- P 244 INHIBITORY EFFECT OF EUCALYPTUS ESSENTIAL OIL TO CONTROL FUSARIUM WILT ON TOMATO PLANTS**, Amirhossein GHADIRI, Saeed VEYSI, Shirin FEKRI KOHAN
- P 245 POSTHARVEST BEST TEMPERATURE FOR DRYING IN HAZELNUT WITH AND WITHOUT SHELL**, Davood HASHEMABADI, Sara KHAYATI BABAIE
- P 246 CAN THE APPLICATION OF WHEAT-ENRICHED SEEDS BE EFFECTIVE IN SOLVING THE PROBLEM OF ZINC DEFICIENCY IN IRAN AND IN INCREASING THE NUTRITIONAL QUALITY OF THIS PLANT?**, Fariborz SHEKARI, Amin ABBASI
- P 247 EVALUATION OF QUANTITATIVE AND QUALITATIVE YIELD IN HYBRID AND OPEN-POLLINATED TOMATO CULTIVARS**, Hassan FEIZI, Hossein SAHABI
- P 248 EVALUATION OF SPRAY QUALITY USING WATER SENSITIVE PAPERS AND SIMULATED TREE CANOPY**, Reza TABATABAEEKOLOOR, Behrooz MOKHTARPOUR, Yahya ABTALI
- P 249 APPLICATION OF CHITOSAN-BASED COATING IN LEMON FRUIT CONSERVATION**, S. Jafar HASHEMI, Ebrahim, TAGHINEZHAD, Reza TABATABAEE
- P 250 MONITORING THE SAFETY OF WILD -GROWING FRUITS FROM DIFFERENT REGIONS OF KAZAKHSTAN**, Gulnar AIDARKHANOVA, Raya AIDARKULOVA, Talgat ABZHANOV, Zhumagul BORANBAI
- P 251 THE EFFECT OF PLANT PROBIOTIC (SAPROPEL) ON GARDEN STRAWBERRIES AND ON SOIL MICROORGANISMS**, Aurelija ŠALUCHAITĖ, Algirdas AMŠIEJUS, Aurimas KRASAUSKAS, Jolanta SINKEVIČIENĖ
- P 252 BROADLEAF WEED CONTROL IN GRAIN LEGUMES**, I. DEVEIKYTE, Z. KADZIULIENE
- P 253 EXAMINATION OF VITAMIN C IN FEED AND MILK**, Julijana TOMOVSKA, Dijana BLAZEKOVIC-DIMOVSKA, Ilmije VLASAKU

- P 254 THE CONTRIBUTIONS OF PLANT-BASED ORGANIC MATERIALS TO THE PRODUCTIVITY OF SPRING CEREALS IN STOCKLESS ORGANIC CROPPING SYSTEMS**, Żydrė KADŽIULIENĖ, Monika TOLEIKIENĖ, Lina ŠARŪNAITĖ, Aušra ARLAUSKIENĖ
- P 255 APPLICATION OF BIOLOGICAL CONTROL IN REGULATION OF WESTERN FLOWER THRIPS (*FRANKLINIELLA OCCIDENTALIS* PERGANDE) POPULATION AT PEPPER IN PROTECTED AREA**, Biljana ATANASOVA, Dusan SPASOV, Dragica SPASOVA, Mite ILIEVSKI
- P 256 EPIGENETIC HEREDITY MAY INFLUENCE THE WHEATPLANTS RESISTANCE TO HEAT AND FROST**, Alexandru DASCALIUC, Natalia JELEV, Tudor RALEA, Nina ZDIORUC
- P 257 VEGETABLE OILS: DO THEY HAVE ANTIOXIDANT ACTIVITY?**, Raisa IVANOVA, Dina ELISOVETCAIA, Pavel TATAROV
- P 258 FOOD SAFETY POLICY IN MONTENEGRO: CURRENT STATE OF PLAY**, Vesna DAKOVIC, Ana VELIMIROVIC
- P 259 PROSPECTIONS FOR FOOD BASED LURES IN MASS TRAPPING OF *BACTROCERA DORSALIS* ON *CHRYSOPHYLLUM ALBIDUM* IN OSUN STATE, NIGERIA**, Juliana Amaka UGWU
- P 260 BIOCONTROL POTENTIAL OF *TRICHODERMA HARZIANUM* AGAINST ROT CAUSING FUNGI OF WHITE YAM (*DIOSCOREA ROTUNDATA* POIR) TUBERS**, Victor Iorungwa GWA, Alphonsos Okechukwu NWANKITI
- P 261 EVALUATING THE ANTIOXIDANT AND ANTIMICROBIAL POTENTIAL OF SEABUCKTHORN OIL**, Ali ASGHAR, Anam FATIMA
- P 262 FIRST REPORT OF *RHIZOCTONIA SOLANI* CAUSING ROOT ROT OF CHILLI IN PAKISTAN**, Amjad Shahzad GONDAL, Abdul RAUF, Farah NAZ
- P 263 *IN VITRO* ANTIBACTERIAL EXPLORATION OF *SALIX ALBA* AGAINST GRAM-POSITIVE AND GRAM-NEGATIVE BACTERIAL STRAINS**, Bilal JAVED, Khalid NAWAZ
- P 264 ROLE OF DIFFERENT INSECT VISITANTS TO SUNFLOWER (*HELIANTHUS ANNUUS* L.) YIELD, OIL CONTENT AND OTHER QUALITY ATTRIBUTES IN MARDAN DISTRICT OF KHYBER PAKHTUNKHWA-PAKISTAN**, Fazal SAID, Asad ALI, Sakhawat SHAH, Hussain ALI, Fazal JALALMuhammad IMTIAZ, Muhammad ALI KHAN, Sayed HUSSAIN
- P 265 VARIABILITY AMONG *RALSTONIA SOLANACEARUM* STRAINS FROM DIFFERENT AGRO-ECOLOGICAL ZONES OF PAKISTAN**, Muhammad NAVEED ASLAM, Tariq MUKHTAR
- P 266 BIOACTIVE PEPTIDES: A RECENT INNOVATION IN NUTRACEUTICAL**, Muhammad SUHAIL IBRAHIM, Asif AHMAD, Asma SOHAIL, Muhammad JAVED ASAD, Amer MUMTAZ, Muhammad KHALID IBRAH
- P 267 STERILANTS EFFECT AND MICRO-PROPAGATION OF TWO DIFFERENT CULTIVARS OF PEACH (*PRUNUS PERSICA*)**, Gulalay WAHAB, Muhammad IMTIAZ, Muhammad ALI, Fazal JALAL, Fazal SAID, Sayed HUSSAIN
- P 268 RESISTANCE OF WHEAT GENOTYPES AND THEIR PRE-HARVEST ESTIMATED YIELD COMPARISON WITH ACTUAL YIELD UNDER YELLOW RUST EPIDEMIC**, Muhammad ZIA, Syed Jawad Ahmad SHAH, Shaukat HUSSAIN
- P 269 INCIDENCE OF SEED-BORNE FUNGI ON TRADITIONAL CULTIVARS OF SOYBEAN (*GLICYNE MAX*) IN POLAND**, Agnieszka PSZCZOŁKOWSKA, Adam OKORSKI, Gabriel FORDOŃSKI
- P 270 INFLUENCE OF CITRATES NANOPARTICLES ON MORPHOLOGICAL TRAITS OF BACTERIAL CELLS *PSEUDOMONAS SYRINGAE* PV. *ATROFACIENS***, Hanna HULIAIEVA, Lidia PASICHNYK, Maxim KHARCHUK, Antonina KALINICHENKO, Volodymyr PATYKA, Mykhailo BOHDAN, Viktor MAK SIN
- P 271 BENEFICIAL EFFECT OF FERTILIZATION WITH MEAL FROM MEALWORM LARVAE ON THE CONDITION OF TWO PLANTS**, Jędrzej MASTALERZ, Sebastian Wojciech PRZEMIENIECKI, Karol KOTLARZ, Tomasz Paweł KUROWSKI
- P 272 CHEMICAL PROTECTION OF WINTER WHEAT AND ITS ENVIRONMENTAL IMPACT IN DIFFERENT SOIL TILLAGE SYSTEMS**, Małgorzata HOLKA, Jerzy BIENKOWSKI

- P 273 THE LEVEL OF WINTER WHEAT STEM BASE DISEASES IN THE DEPENDENCE ON THE INTENSITY OF PLANT PROTECTION**, Marta DAMSZEL, Tomasz P. KUROWSKI
- P 274 THE INFLUENCE OF FORECROPS AND CATCH CROPS ON THE SPECIES COMPOSITION OF FUNGI IN THE SOIL AND ON THE HEALTHINESS OF OAT**, Elżbieta MIELNICZUK, Elżbieta PATKOWSKA, Agnieszka JAMIOŁKOWSKA
- P 275 REAL-TIME PCR METHOD FOR QUANTITATIVE EVALUATION OF ABUNDANCE CHITINOLYTIC BACTERIA USED IN BIOLOGICAL CONTROL**, Sebastian Wojciech PRZEMIENIECKI, Jędrzej MASTALERZ, Karol KOTLARZ, Tomasz Paweł KUROWSKI
- P 276 THE EFFECT OF RYE-RICH DIET ON THE LEVEL OF PROINFLAMMATORY CYTOKINES IN PIGS**, Sylwester KOWALIK, Magdalena GRODZKA, Paulina LEŚNIAK, Agnieszka CHAŁABIS-MAZUREK, Jose Luis VALVERDE PIEDRA, Ewa TOMASZEWSKA, Sylwia SZYMANCZYK, Marcin ARCISZEWSKI, Anna ZACHARKO, Siemowit MUSZYŃSKI, Piotr DOBROWOLSKI, Tomasz SCHWARZ
- P 277 FOOD IRRADIATION AS A KEY TO REDUCE FOOD WASTE AND GUARANTEE FOOD SAFETY**, Amilcar L. ANTONIO, Isabel C.F.R. FERREIRA, Pedro M.P. SANTOS, Sandra CABO VERDE
- P 278 PHYSICO-CHEMICAL AND MICROBIOLOGICAL ANALYSIS OF JUICE EXTRACTED FROM SWEET SORGHUM**, Georgiana-Luminița MIHĂILĂ, Sorin-Ștefan BIRIȘ
- P 279 COMPARATIVE EVALUATION OF MOLECULAR METHODS USED FOR FUSARIUM STRAINS IDENTIFICATION IN THE WEST PART OF ROMANIA**, Sorina POPESCU, Dorica BOTAU, Aurica BOROZAN, Ioan SARAC, Oana-Maria BOLDURA
- P 280 STUDY OF BIOLOGICAL EFFECTIVENESS AND DYNAMICS OF THE DESTRUCTION PREPARATIONS BASED ON NEONICOTINOIDS AND PYRETHROIDS ON CEREALS**, Ilya KASATOV, Anton POLIKARPOV, Yuriy SAVUSHKIN, Elena TESTOVA, Anastasia FILATOVA
- P 281 SELECTION PROSPECTS OF *PHYSALIS ANGULATA* IN MODERATE CLIMATE OF THE RF NON-CHERNOZEM BELT**, Myazar ENGALYCHEV, Irina KONDRATYEVA
- P 282 STUDY OF BIOLOGICAL EFFECTIVENESS AND DYNAMICS OF THE DESTRUCTION PREPARATIONS BASED ON NEONICOTINOIDS AND PYRETHROIDS ON CEREALS**, Iliya KASATOV, Anton POLIKARPOV, Yuriy SAVUSHKIN, Elena TESTOVA, Anastasia FILATOVA
- P 283 EFFECTOR DIVERSITY OF *PHYTOPHTHORA INFESTANS* POPULATION IN EGYPT**, S. M. EL-GANAINY, A. M. TOHAMY, M. A. AWAD, D. E.L. COOKE
- P 284 CONTROL OF APHIDIDAE IN CHRYSANTHEMUM UNDER GREENHOUSE PRODUCTION**, Slavica VUKOVIĆ, Sanja LAZIĆ, Dragana ŠUNJKA, Antonije ŽUNIC, Dragana BOŠKOVIĆ
- P 285 EFFECTS OF TEA WOOD ESSENTIAL OIL ON *TRIBOLIUM CONFUSUM* DU VAL. AND *ORYZAEPHILUS SURINAMENSIS* L.**, Dragana BOŠKOVIĆ
- P 286 PHENOLIC COMPONENTS AND ANTIOXIDANT ACTIVITIES IN VARIOUS TYPES OF CARROT EXTRACTS**, Jelena MLADENović, Ljiljana BOŠKOVIĆ-RAKOČEVIĆ, Milena ĐURIĆ, Jasmina ZDRAVKOVIĆ, Nenad PAVLOVIĆ, Marijana DUGALIĆ
- P 287 ANTIMICROBIAL FEATURES OF ETHANOL EXTRACT MUSHROOM *CORIOLUS VERSICOLOR***, Jelena PANTOVIĆ, Sasa DESPOTOVIĆ
- P 288 INFLUENCE OF BIOTIC STRESS ON TURKEY OAK SEEDLINGS IN ELEVATED CO₂ CONDITIONS**, Slobodan MILANOVIĆ, Jovan DOBROSAVLJEVIĆ, Nemanja KAŠIĆ, Marija POPOVIĆ, Ivan MILENKOVIĆ, Stefan BOJIĆ, Čedomir MARKOVIĆ
- P 289 INFLUENCE OF INOCULATION OF *Q. CERRIS* SEEDLINGS WITH A ROOT PATHOGEN *P. PLURIVORA* ON THE PERFORMANCE OF *L. DISPAR* LARVAE UNDER EXTREMELY ELEVATED CO₂ LEVEL CONDITIONS**, Slobodan MILANOVIĆ, Jovan DOBROSAVLJEVIĆ, Nemanja KAŠIĆ, Marija POPOVIĆ, Ivan MILENKOVIĆ, Stefan BOJIĆ, Čedomir MARKOVIĆ
- P 290 THE INFLUENCE OF ABIOTIC FACTORS IN DEVELOPMENT OF CODLING MOTH AND ITS NATURAL ENEMIES IN SOUTHERN SERBIA**, Katerina NIKOLIC, Ana SELAMOVSKA, Slaviša GUDŽIĆ, Zoran NIKOLIĆ, Dragan GRČAK, Milosav GRČAK
- P 291 PRESENCE OF DEOXYNIVALENOL IN BREAD IN SERBIA DURING 2018-2019**, Marko M. JAUKOVIĆ, Veselinka M. ZEČEVIĆ, Milica J. NIKOLIĆ

- P 292 TOXIGENIC POTENTIAL OF *ASPERGILLUS PARASITICUS* ISOLATES ORIGINATING FROM MAIZE GRAIN IN SERBIA**, Milica NIKOLIĆ, Iva SAVIĆ, Ana OBRADOVIĆ, Milan STEVANOVIĆ, Jovan PAVLOV, Marko JAUKOVIĆ, Slavica STANKOVIĆ
- P 293 EFFECTS OF ANTAGONISM AMONG SPECIES OF THE *GIBBERELLA FUJIKUROI* COMPLEX IN FUMONISIN SYNTHESIS**, Iva SAVIĆ, Milica NIKOLIĆ, Ana OBRADOVIĆ, Milan STEVANOVIĆ, Jovan PAVLOV, Slavica STANKOVIĆ
- P 294 CONTENT OF Cu, Zn, Co, Ni, Cr IN SOIL AND FRUITS OF APPLE AND PLUM**, Mira MILINKOVIĆ, Svetlana M. PAUNOVIĆ, Milena ĐORĐEVIĆ, Jelena TOMIĆ, Žaklina KARAKLAJIĆ STAJIĆ, Dragana VRANIĆ
- P 295 EFFICIENCY AND THE POSSIBILITY OF USING ZEOLITE AND APATITE IN PURIFYING WATER FOR IRRIGATION AND REMEDIATION OF CONTAMINATED SOIL**, Mirko GRUBIŠIĆ, Ljiljana BOŠKOVIĆ-RAKOČEVIĆ, Goran DUGALIĆ, Jelena PETROVIĆ, Marija PETROVIĆ, Jelena MILOJKOVIĆ, Marija KOJIĆ
- P 296 INFLUENCE OF MACERATION TIME OF GRAPE POMACE CABERNET SAUVIGNON ON EXTRACTION KINETICS OF SOME POLYPHENOLS AND ANTI-DPPH RADICAL ACTIVITY OF WINES**, Nikolina LIŠOV, Uroš ČAKAR, Aleksandar PETROVIĆ, Ljiljana GOJKOVIĆ-BUKARICA
- P 297 PRESENCE OF VIRUSES IN THE POPULATION OF GRAPEVINE CULTIVAR "PROKUPAC" (*VITIS VINIFERA L.*) IN RASINA DISTRICT, SERBIA**, Sandra MILETAKOVIĆ, Sladjan STANKOVIĆ, Dragan RAHOVIĆ, Slobodan KRNJAJIĆ, Ivana BAKIĆ, Radomir JOVANOVIĆ
- P 298 INVESTIGATION OF THE OXIDATION PRODUCTS OF THE OILS OF THE LATEST NON-OILY SUNFLOWER HYBRID SEEDS**, Tanja LUŽAIĆ, Ranko ROMANIĆ, Nada GRAHOVAC, Nada HLADNI, Snežana KRAVIĆ, Zorica STOJANOVIĆ
- P 299 FUNGAL PATHOGENS OF BIRDSFOOT TREFOIL (*Lotus corniculatus L.*) IN SERBIA**, Tanja VASIĆ, Vesna KRNJAJA, Jordan MARKOVIĆ, Snežana ANDJELKOVIĆ, Mirjana PETROVIĆ, Aleksandra LEPOSAVIĆ, Dragan TERZIC
- P 300 EFFECTS OF AN INSECTICIDE OF NATURAL ORIGIN ON LESSER GRAIN BORER (*RHYZOPERTHA DOMINICA FABRICIUS*; COLEOPTERA: BOSTRICHIDAE) AND QUALITY OF STORED WHEAT GRAINS**, Vesna PERIŠIĆ, Vladimir PERIŠIĆ, Vera RAJIČIĆ, Kristina LUKOVIĆ
- P 301 SPINOSAD APPLICATION FOR PEST MANAGEMENT OF STORED WHEAT**, Vesna PERIŠIĆ, Vladimir PERIŠIĆ, Vera RAJIČIĆ, Kristina LUKOVIĆ, Filip VUKAJLOVIĆ, Dragana PREDOJEVIĆ, Snežana PEŠIĆ
- P 302 THE EFFECTS OF WATER EXTRACTS OF XERANTHEMUM CYLINDRACEUM SIBTH. ET SM. ON SEED GERMINATION OF THREE WEED SPECIES**, Vladan JOVANOVIĆ, Miloš GALOVIĆ, Bogdan NIKOLIĆ, Ivana DRAGIČEVIĆ, Hadi WAISI, Zlatko GIBA
- P 303 FUNGAL BIOMASS AND MYCOTOXIN IN KERNELS OF AVENA L.**, Svetlana ŠLIKOVÁ, Martina HUDCOVICOVÁ, Edita GREGOVÁ, Peter HOZLÁR
- P 304 THE EFFICACY OF SOME FUNGICIDES, INSECTICIDES, ACARICIDES AND FOLIAR FERTILIZERS AGAINST TWO-SPOTTED SPIDER MITE TETRANYCHUS URTICAE KOCH**, Rawa YOUSSEF, Atie ARAB, Deena FAEUD
- P 305 DISEASE INCIDENCE OF *VICIA FABA*-ASSOCIATED FUNGI AND THEIR PHYTOPATHOGENIC BEHAVIOR UNDER OSMOTIC AND MATRIC POTENTIAL STRESSES**, Imen HADDOUDI, Haythem MHADHBI, Mahmoud GARGOURI, Fathi BARHOUMI, Moncef MRABET
- P 306 STUDY OF THE GROUND ARTHROPODS BIODIVERSITY IN OLIVE GROVES IN TWO DIFFERENT BIOTOPES OF THE SFAX REGION**, Ines ABIDA GUIDARA, Ines KSENTINI, Mohieddine KSANTINI
- P 307 EFFECTS OF PROBIOTICS TO SOME BIOLOGICAL CHARACTERISTICS OF *TRIBOLIUM CASTANEUM* HERBST (COLEOPTERAN: TENEBRIONIDAE)**, Aydın S. TUNÇBİLEK, Sevgi BAKIR, Yılmaz ŞAHİN
- P 308 A NEW RECORD OF INSECT PEST SPECIES ASSOCIATED WITH APRICOT, *PRUNUS ARMENIACA* IN ISPARTA, TURKEY**, Burcu İNAL, Ayşe ÖZDEM, Levent GÜLTEKİN

- P 309** PLANT PARASITIC NEMATODES ASSOCIATED WITH CORN (*Zea mays* L.) GROWING AREAS IN DIYARBAKIR PROVINCE, TURKEY, Atilla ÖCAL, Mustafa İMREN, Ece B. KASAPÖĞLU ULUDAMAR, İ. Halil ELEKÇIOĞLU
- P 310** PROBIOTIC CHARACTERIZATION OF ENTEROCOCCUS SPP. ISOLATED FROM ARTISANAL CHEESES IN TURKEY, Edibe Rabia ÖZKAN, Talha DEMİRCİ, Nihat AKIN
- P 311** EFFECTS OF SPROUTED AND UN-SPROUTED CHICKPEA FLOUR ON SOURDOUGH FERMENTATION, Hümeyra ÇETİN BABAÖĞLU, Sultan ARSLAN TONTUL, Nihat AKIN
- P 312** INFLUENCE OF ABIOTIC AND BIOTIC FACTORS ON PRODUCTIVITY OF TRANSGENIC SOYBEAN AND MOLECULAR PROPERTIES OF DISEASE PATHOGEN, Ivan MISHCHENKO, Anna DASHCHENKO, Alina DUNICH, Lidiya MISHCHENKO
- P 313** FIRST REPORT OF LEEK YELLOW STRIPE VIRUS ON ALLIUM SATIVUM L. IN UKRAINE, Khrystyna SHEREVERA, Tetiana SHEVCHENKO, Halina SNIHUR, Irena BUDZANIVSKA, Oleksiy SHEVCHENKO
- P 314** DISTRIBUTION AND TRANSMISSION OF PLUM POX VIRUS IN UKRAINE, Oksana KUTSENKO, Irena BUDZANIVSKA
- P 315** THE AGRO-FOOD EXPORT TRENDS IN UKRAINE: FOCUS ON GRAIN CROP MARKET, Serhii SEHEDA
- P 316** EFFECT OF SALICYLIC ACID APPLICATION ON PHENYLALANINE AMMONIA-LYASE (PAL) ACTIVITY AND TOTAL PHENOLIC CONTENT IN WHEAT (*TRITICUM AESTIVUM* L.,) AND BUCKWHEAT (*FAGOPYRUM ESCULENTUM* MOENCH) PLANTS UNDER CADMIUM STRESS, Yana KAVULYCH, Myroslava KOBYLETSKA, Olga TEREK
- P 317** CRITICAL TIME FOR WEED REMOVAL IN SOYBEAN AS INFLUENCED BY PRE-EMERGENCE HERBICIDES, Stevan Z. KNEZEVIC, O. Adewale OSIPITAN
- P 318** LEAF MINER ON APPLE ORCHARDSMOTHS AND THEIR PARASITOIDS, Benard LIMANI, Ejup ÇOTA
- P 319** THE EFFECT OF IMIDACLOPRID AND NANO IMIDACLOPRID ON POTATO TUBER MOTH PHTHORIMAEA OPERCULELLA (LEPIDOPTERA: GELECHIIDAE), Magda SABBOUR
- P 320** THE TOXIC EFFECT OF BEAUVERIA BASSIANA TOXIN ON POTATO TUBER MOTH PHTHORIMAEA OPERCULELLA (LEPIDOPTERA: GELECHIIDAE), Magda SABBOUR
- P 321** TOXICITY OF IMIDACLOPRID ON CABBAGE WHITE BUTTERFLY, PIERIS RAPAE, Magda SABBOUR
- P 322** THE ANTIBACTERIAL EFFECTS OF DIFFERENT PLANT ESSENTIAL OILS UNDER TIME AND TEMPERATURE ON GROWTH AND MORPHOLOGY (WITH TRANSMISSION ELECTRON MICROSCOPY) OF BACILLUS CEREUS IN A FOOD MODEL, Zohreh MASHAK, Manizheh REZALOO, Amirreza SAADATI
- P 323** ANTAGONISM OF SEVERAL FUNGAL SPECIES AGAINST MACROPHOMINA PHASEOLINA (TASSI) GOID, CAUSING CHARCOAL ROT OF MUNGBEAN, Sajjad HYDER, Amjad SHAHZAD GONDAL, Raees AHMAD, Nida FATIMA, Muhammad INAM-UL-HAQ
- P 324** CONTROL OF OLIVE MOTH, PRAYS OLEAE BERN. (LEPIDOPTERA: YPONOMEUTIDAE) WITH MASS TRAPPING IN ORGANIC OLIVE PRODUCTION, Nihat DEMİREL
- P 325** THE INNOVATIONS OF AGRICULTURAL ENGINEERS AND THEIR CONTRIBUTION TO SUSTAINABLE AGRICULTURAL DEVELOPMENT TO ACHIEVE FOOD SECURITY IN GAZA STRIP, Mohammed HUSSEIN, Mohamed ALRAEE, Hisham AL KAHLOUT, Doaa HUSSEIN
- P 326** ESTIMATION OF POSTHARVEST LOSSES AND RENEWABLE ENERGY POTENTIAL OF DAMBULLA ECONOMIC CENTER, SRI LANKA, Chamila JAYASINGHE, Charuni DASANAYAKA, Anusha WIJEWARDANE
- P 327** QUANTIFICATION OF EMBEDDED ENERGY OF SELECTED VEGETABLES IN THE FOOD VALUE CHAIN, SRI LANKA, Charuni DASANAYAKA, Chamila JAYASINGHE, Anusha WIJEWARDANE
- P 328** POPULATION DENSITY AND DAMAGE RATES OF MEDITERRANEAN FRUIT FLY, CERATITIS CAPITATA (WIEDEMANN) (DIPTERA: TEPHTRITIDAE) IN POMEGRANATE ORCHARDS IN TURKEY, Nihat DEMİREL

- P 329** POPULATION DENSITY AND DAMAGE RATES OF PEACH TWIG BORER, *ANARSIA LINEATELLA* ZELLER (GELECHIIDAE: LEPIDOPTERA) ON EARLY APRICOT ORCHARDS IN TURKEY, Nihat DEMİREL
- P 330** EFFECTIVENESS OF VARIOUS ATTRACTANTS FOR OLIVE FRUIT FLY, *BACTROCERA OLEAE* (GMELIN) (DIPTERA: TEPHTRITIDAE) IN OLIVE ORCHARDS IN TURKEY, Nihat DEMİREL
- P 331** AMARANTH GRAIN AS ENRICHING INGREDIENT FOR BAKERY TECHNOLOGY, Anastasiia STAKHURLOVA, Natalia DERKANOSOVA, Irina PONOMARYOVA
- P 332** ANTI-OXYDANT ACTIVITY OF THE ESSENTIAL OIL OF CUMINUM CYMINUM, Bessedik AMINA
- P 333** UNDERSTANDING HOST-PATHOGEN PROTEIN-PROTEIN INTERACTIONS IN RICE BLAST PATHOSYSTEM, Esra SEYRAN
- P 334** MYCOTOXINS OF *PENICILLIUM AURANTIOPRISEUM* AS POTENTIAL RESOURCE FOR CANCER THERAPY, Assia BOUHOUDAN, Fatima CHIDI, Mustapha KHADDOR
- P 335** ANALYSIS OF THE CONSTRUCTIVE FORM'S INFLUENCE ON THE BAFFLES AT THE LIQUID SLOSHING IN A PARTIALLY FILLED TANK VEHICLE FOR AGRI-FOOD PRODUCTS BY FEM MODELING, Gabriela MILIAN, Sorin-Ştefan BIRIŞ, George IPATE
- P 336** DETERMINATION OF *LISTERIA MONOCYTOGENES* AND ANTIBIOTIC RESISTANCE PROFILES IN MODIFIED ATMOSPHERE PACKED GROUND AND CUBED BEEF SAMPLES, Adem OZKÍRAZ, Ali GÜCÜKOĞLU
- P 337** DETECTION OF EXTENDED-SPECTRUM-BETA-LACTAMASE-PRODUCING *ENTEROBACTERIACEAE* FROM CHEESE SAMPLES, Omar HUSAN, Özgür ÇADIRCI
- P 338** BIOLOGICAL ACTIVITIES OF PLANT PHYTOCHEMICALS, Tuğba DEMİR, Özlem AKPINAR

ORGANIC AGRICULTURE

Conference Hall H (Hotel Termag - Koliba)

Friday, (October 4th, 2019), 17:20 - 17:50

Working committee

Chairpersons: Noureddin DRIOUECH, Snezana OLJACA

- P 339 BREEDING INSECTS FOR AGRICULTURAL PURPOSES**, Racha ABED, Yasmine MESKALDJI, Naima BENKENANA
- P 340 BREEDING OF WHEAT VARIETIES WITH HIGH BREADMAKING QUALITY IN A DROUGHT STRESS CONDITION**, Seyfulla HUSEYNOV
- P 341 QUALITY AND TECHNOLOGICAL QUALITY INDICATORS OF BREAD WHEAT VARIETIES CULTIVATED IN SHEKI REGION OF AZERBAIJAN REPUBLIC**, İlahıa UMUDOVA
- P 342 EFFECT OF HARMFUL AGENT ON PRODUCTION, INCOME AND BIODIVERSITY OF SHRIMP FARMING IN BANGLADESH**, M. Nazrul ISLAM, Aksya KUMAR SARKAR
- P 343 NUTRIENTS IN SWEET POTATO (*IPOMOEA BATATAS*) AND LOCAL POTATO VARIETIES**, Ladislav VASILJIŠIN, Srđan LJUBOJEVIĆ, Goran VUČIĆ
- P 344 KNOWLEDGE OF THE ECONOMIC EFFECT OF BIOLOGICAL METHODS APPLICATION IN AGRICULTURE**, Angel SAROV
- P 345 EFFECT OF APPLICATION OF MICROBIAL FERTILIZERS ON NUTRIENT STATUS OF VIRGINIA TOBACCO**, Radka BOZHINOVA, Tsveta HRISTEVA
- P 346 EVALUATION OF GARDEN PEA GENOTYPES FOR THEIR NODULATION CAPACITY AND GRAIN CONTENT OF ZN, FE AND MN**, Slavka KALAPCHIEVA, Ivanka TRINGOVSKA, Tzveta HRISTEVA, Tsvetanka DINCHEVA, Margarita DOCHEVA
- P 347 MICROORGANISMS AT THE RHIZOSPHERE OF GARDEN PEAS VARIETIES AFTER INOCULATION WITH ARBUSCULAR MYCORRHIZAL FUNGI**, Tsveta HRISTEVA, Slavka KALUPCHIEVA, Ivanka TRINGOVSKA, Tsvetanka DINCHEVA, Margarita DOCHEVA
- P 348 USE OF THREE ESSENTIAL OILS AS SEED TREATMENTS AGAINST SEED-BORNE FUNGI OF RICE (*ORYZA SATIVA L.*) UNDER FIELD CONDITIONS**, Joseph B. DONGMO LEKAGNE, F. R. FOULEFACK, J. NGUEFACK, C. D. FOTIO
- P 349 INFLUENCE OF SEEDING RATE ON COMMON VETCH-WHEAT FODDER CROP MIXTURE PERFORMANCE UNDER ORGANIC MANAGEMENT**, Dubravko MAČEŠIĆ, Matija VRBANČIĆ, Sanja SIKORA, Zlatko SVEČNJAK, Luboš VOZAR, Darko UHER
- P 350 USE OF FLOWERING STRIPS IN ECOLOGIC FARMING SYSTEMS**, Tomas KOPTA, Lucia RAGASOVÁ, Jana NOVÁKOVÁ
- P 351 EFFECT OF SPRAYING SULPHUR, MAGNESIUM, ZINC AND, ON FRUITING OF SUPERIOR SEEDLESS GRAPEVINES**, Mustafa H. HASHEM, Faisal. F. AHMED, Ali. A.GOBARA, Ahmed. K. ABDELAAL
- P 352 BLUEBERRY CULTIVATION IN PEAT SOIL: EFFECT OF ORGANIC FERTILIZERS ON PLANT PRODUCTIVITY AND FRUIT QUALITY**, Angela KOORT, Ulvi MOOR, Pritt PÖLDMA, Mariana MAANTE-KULJUS, Leila MAINLA, Kadri KARP, Marge STARAST
- P 353 EFFECTS OF COMPOST APPLICATION RATES AND MULCH THICKNESS ON SOIL PHYSICO-CHEMICAL PROPERTIES OF SALT AFFECTED SOIL OF DUGDA DISTRICT OF ORAMIA REGEON (ETHIOPIA)**, Derartu SEDATA, Amare HAILESLASSIE, Adugna DEBELA
- P 354 CORRELLATION BETWEEN MULCHING, MYCORRHIZA FUNGI, AND OTHER PARAMETERS IN LETTUCE IN TWO FARMING SYSTEMS**, Katalin FEKETE, Rozália BALASSA, Nour ALHADIDI, Barbara FERSCHL, Zita SZALAI, Zoltán PAP
- P 355 PHOTOSYNTHESIS RESPONSES TO VARIOUS FERTILIZER TREATMENTS IN PEPPERMINT GROWN UNDER WATER DEFICIT STRESS**, Hamed KESHAVARZ, Seyed Ali Mohammad MODARES-SANAVY, Ali Mokhtassi BIDGOLI

- P 356 INVESTIGATION ON THE EFFECTS OF THE COVER CROP, CUMIN (*CUMINUM CYMINUM*), ON SOME AGRONOMIC AND QUALITATIVE TRAITS OF SAFFRON**, Mohamadreza MALEKI, Mohammadjavad SEGHTOLESLAMI, Gholamreza MOUSAVI, Hassan FEIZI
- P 357 ISOLATION, IDENTIFICATION AND PERFORMANCE OF PHOSPHATE-SOLUBILIZING BACTERIA FROM WARM-WATER FISH POND IN IRAN**, Nemat MAHMOUDI, Mostafa ARMANDEH, Alireza FALLH NOSRATABAD, Blažo LALEVIC
- P 358 INFLUENCE OF ORGANIC AND MINERAL FERTILIZERS ON THE AGROCHEMICAL PROPERTIES OF SOIL IN ORGANIC VEGETABLE FARMS**, Juozas PEKARSKAS, Algirdas GAVENASKAS, Rūtenis JANCIUS
- P 359 EFFECT OF DIFFERENT ECOLOGICAL ENVIRONMENTS ON ORGANIC CULTIVATED BUCKWHEAT GENOTYPES**, Mujo VREVA, Veselinka ZEČEVIĆ, Jasmina BALIJAGIĆ, Mirela MATKOVIĆ STOJŠIN, Sanida LUKAC
- P 360 CONSUMERS' PREFERENCE AND WILLINGNESS TO PAY FOR ORGANIC AMARANTH AND TOMATO IN NIGERIA: CHOICE EXPERIMENT APPROACH**, Taiwo Timothy AMOS, Gbenga AKINWEHINMI
- P 361 UTILIZATION OF SUMMER GAP WITH INTEGRATION OF BIOCHAR AND LEGUMES AS SUSTAINABLE TOOLS FOR IMPROVING CROP PRODUCTIVITY AND SOIL FERTILITY**, Fazal JALAL, Fazal SAID, Muhammad IMTIAZ, Muhammad ALI KHAN, Sayed HUSSAIN
- P 362 DEPENDENCE OF GRAIN YIELD OF SPELT ON LOCALITIES AND DIFFERENT TYPES OF FERTILIZER**, Željko DOLIJANOVIĆ, Snežana OLJAČA, Dušan KOVAČEVIĆ, Zoran JOVOVIĆ, Srđan ŠEREMESIĆ, Nemanja GRŠIĆ
- P 363 PHENOLIC ACIDS PROFILE OF ORGANICALLY GROWN EMMER AND SPELT**, Magdaléna LACKO-BARTOŠOVÁ, Lubomír KOBIDA, Lucia LACKO-BARTOŠOVÁ
- P 364 ANTHILL SOIL UTILIZATION IN MAIZE CROPPING SYSTEMS: AN ENDOGENOUS SOIL FERTILITY MANAGEMENT PRACTICE BY SMALLHOLDERS IN ZAMBIA**, Kafula CHISANGA, Ernest R. MBEGA, Hans KOMAKECH, Patrick A. NDAKIDEMI
- P 365 THE INFLUENCE OF MULTIPLE MIXED INFECTIONS IN AGARICUS BISPORUS**, Tatyana IVANOVA
- P 366 ORGANIC AGRICULTURE FOR SUSTAINABLE PRODUCTION OF SOME PROMISING HALOPHYTIC PLANTS IN SALINE ENVIRONMENT**, Medhat M. TAWFIK, Alice T. THALLOOTH, Mohamed O. KABESH, Magda H. MOHAMED

Conference Hall E (Hotel Vucko)

Friday, (October 4th, 2019), 18:00 - 18:30

Working committee

Chairpersons: Otilija MISECKAITE, John PAULL

- P 367 THE USE OF PHYTOREMEDIATION FOR THE INDUSTRIAL WASTEWATER TREATMENT**, Sarra BADACHE, Nora SEGHAIRI, Naouel GUERROUF
- P 368 STUDY OF MELLIFEROUS PLANTS VISITED BY THE WORKER HONEYBEE, *APIS MELLIFERA INTERMISSA* IN BOUMERDES, ALGERIA.**, Messaouda BELAID, Arezki MOHAMMEDI, FatmaACHEUK, Nora CHAHBAR, Amel IGHIL AMEUR
- P 369 FIRST COPROLOGICAL MENTION OF SOME CARNIVOROUS MAMMALS, ESPECIALLY THE STRIPED HYENA *HYAENA HYAENA* IN CHREA NATIONAL PARK (ALGERIA)**, Djamel BENDJOURI, Faiza MARNICHE, Lilia TAKDJOUT, Manuel EPALANGA
- P 370 ENTOMOFAUNA BIODIVERSITY OF A CITRUS ORCHARD IN EUCALYPTUS (ALGERIA)**, Ilham BENABBAS-SAHKI, Amina ZIDANE, Salaheddine DOUMANDJI
- P 371 SOIL FERTILITY MANAGEMENT IN THE OASES OF THE NORTHERN SAHARA OF ALGERIA**, Khene BACHIR, Araba FATNA
- P 372 LINYPHIIDAE SPIDER (ARANEAE, ARTHROPODS) AS INDICATOR IN BELEZMA NATIONAL PARK**, Lynda YANES, Nabila GUERROUCHE, OuridaKHERBOUCHE-ABROUS
- P 373 MORPHOLOGICAL CHARACTERIZATION OF LOCAL CATTLE POPULATION IN WILAYA OF TLEMCCEN, ALGERIA**, Mohammed BENYAROU, Sarra BELKHADEM, Mohammed CHAHEBAR, Suheil GAOUAR
- P 374 SOIL AGRONOMICAL PROPRIETIES UNDER TREATED WASTEWATER IRRIGATION AND SLUDGE AMENDMENT**, Rabia CHERFOUH, Yves LUCAS, Arezki DERRIDJ, Patricia MERDY
- P 375 MORPHOLOGICAL CHARACTERIZATION OF THE LOCAL GOAT POPULATION IN THE PROVINCE OF TLEMCCEN, ALGERIA**, Sarra BELKHADEM, Hakim TIFIEL, Mohammed CHAHEBAR, Mohammed BENYAROU, Suheil GAOUAR
- P 376 THE IRON, COPPER AND LEAD UPTAKE ABILITY OF *PHRAGMITES AUSTRALIS* SPECIES**, Abdelhakim SELLAL, Rima BELATTAR
- P 377 THE INFLUENCE OF SEED SIZE ON GERMINATION DEGREE OF A CITRUS STOCK**, Toufik BENHIZIA, Salim LEBBAL, Rebiha CHAOUI, Wafa AMRAOUI
- P 378 LONG TERM IMPACTS OF REPEATED FIRE USE ON GRAZING LAND IN THE *CHIQUITANO* DRY FOREST. EXPERIMENTAL RESULTS FROM OBSERVATIONAL SATELLITE DATA USING STATISTICAL MATCHING TECHNIQUES**, Andrea MARKOS
- P 379 Fe, Cu AND Zn PRESENCE IN THE SOIL AT DIFFERENT LOCATIONS IN HERZEGOVINA REGION (BOSNIA AND HERZEGOVINA)**, Alma MIČIJEVIĆ, Aida ŠUKALIĆ, Alma LETO
- P 380 THE IMPACT OF INCREASING VOLUME APPLICATIONS OF MINERAL FERTILIZER ON VARIABILITY OF THE NATURAL MEADOWS YIELDS TYPE OF *AGROSTIETUM VULGARIS***, Borislav PETKOVIĆ, Novo PRŽULJ, Vojo RADIC
- P 381 INTENSITY OF OOGENESIS AND SPERMATOGENESIS IN RAINBOW TROUT (*Oncorhynchus mykiss*, Wabbaum, 1792) IN VARIOUS MICROENVIRONMENTAL CONDITIONS**, Selma PILIĆ, Nadžida MLAČO, Amela KATICA, Velija KATICA, Rizah AVDIĆ, Faruk TANDIR, Jasmin KATICA, Kenan PODŽO
- P 382 DIVERSITY AND DISTRIBUTION OF THE SPECIES OF GENUS *AMARANTHUS* L. 1753 IN VOJVODINA (SERBIA)**, Natasa MARIC, Sladjana PETRONIC, Zoranka MALESEVIC
- P 383 HABITAT TYPES OF EUROPEAN IMPORTANCE ON THE JAHORINA MOUNTAIN (BOSNIA AND HERZEGOVINA)**, Natasa MARIC, Sladjana PETRONIC, Vesna TUNGUZ

- P 384** **YIELD OF GRASSLAND BIOMASS IN SECOND SWATH AND IMPACT OF APPLIED MEASURES ON CHEMICAL REACTION OF REKULTISOL**, Nenad MALIĆ, Una MATKO, Željko LAKIĆ
- P 385** **RESULTS OF PRELIMINARY HERPETOLOGICAL RESEARCH OF "NEVESINJSKO POLJE" WIDER AREA IN BOSNIA AND HERZEGOVINA**, Saudin MERDAN, Mirsada CEHIĆ, Denisa ŽUJO ZEKIĆ
- P 386** **INFLUENCE OF SOIL MOISTURE REGIME ON ALLUVIAL FOREST HABITAT**, Tanja JAKISIC, Vesna NIKOLIC JOKANOVIC, Radovan SAVIC, Ljubomir LETIC, Marko GUTALJ
- P 387** **OCCURRENCE AND DISTRIBUTION OF INVASIVE WEED SPECIES *AMORPHA FRUTICOSA* L. AND *REYNOUTRIA JAPONICA* HOUTT. IN THE AREA OF MUNICIPALITY SRBAC (BOSNIA AND HERZEGOVINA)**, Vojislav TRKULJA, Gordana BABIĆ, Bojana ČURKOVIĆ, Zorana MILADINOVIC
- P 388** **FLOOD REGULATION ECOSYSTEM SERVICES RECOGNIZED BY DISTRICT FOREST MANAGEMENT IN BULGARIA**, Bilyana BORISOVA, Stoyan NEDKOV, Miglena ZHIYANSKI, Stelian DIMITROV, Boian KOULOV, Ana DIMITROVA, Petar PENEV
- P 389** **NATIONAL RESEARCH PROGRAM "ENVIRONMENTAL PROTECTION AND REDUCTION OF ADVERSE EVENTS AND NATURAL DISASTERS' RISKS"**, Boian KOULOV, Velimira STOYANOVA, Bilyana BORISOVA, Nikolay RACHEV
- P 390** **LAND USE AND PLANT BIODIVERSITY IN TWO REGIONS OF BULGARIA**, Ina ANEVA, Petar ZHELEV, Simeon LUKANOV, Maria PENEVA
- P 391** **RESOURCE ASSESSMENT OF *ADONIS VERNALIS* IN REPRESENTATIVE NATURAL LOCALITIES IN WESTERN BULGARIA**, Ina ANEVA, Petar ZHELEV, Slavcho SAVEV, Milena NIKOLOVA
- P 392** **DISTRIBUTION OF *DERMANYSSUS GALLINAE* (MESOSTIGMATA: DERMANYSSIDAE) IN NESTS OF PASSERINE SPECIES**, Rositsa DAVIDOVA, Viktor VASILEV, Veselin ARNAUDOV
- P 393** **CHEMICAL COMPOSITION OF CARDOON (*CYNARA CARDUNCULUS* L.) GROWN IN SOUTH BULGARIA**, Violina ANGELOVA, Mariana Perifanova NEMSKA, Galina UZUNOVA, Luzian KRUSTEV
- P 394** **RURAL AND URBAN PUBLIC PERCEPTION OF THE LINKAGE BETWEEN CAPITAL, WELL-BEING, WELFARE ECONOMICS FOR SUSTAINABILITY AND IMPROVED LIVELIHOODS IN KIVU PROVINCES, EASTERN DR CONGO**, Théodore MUNYULI, Kituta RUBABURA, Balegamire BYENDA, Kavuvu MBAKA, Yajuamungu KALIMBA
- P 395** **DRIVERS OF CHANGE OF THE SOCIO-CULTURAL VALUES OF ECOSYSTEMS SERVICES & WELL-BEING OF RURAL COMMUNITIES IN SOUTH-KIVU PROVINCE, EASTERN DR CONGO**, Théodore MUNYULI, Kituta RUBABURA, Mulangane KIZUNGU, Balegamire BYENDA, Kavuvu MBAKA, Yajuamungu KALIMBA
- P 396** **THE CURRENT NECESSITY OF INTEGRATING ENVIRONMENTAL, SCIENTIFIC AND TECHNOLOGICAL INFORMATION DURING DECISION-MAKING TO BETTER ACHIEVE SUSTAINABLE DEVELOPMENT, SOCIAL TRANSFORMATION AND PROSPERITY OF DR CONGO**, Théodore MUNYULI, Kituta RUBABURA, Mulangane KIZUNGU, Balegamire BYENDA, Kavuvu MBAKA, Yajuamungu KALIMBA
- P 397** **THE POTENTIAL ROLE OF SMALL-SCALE GARDENS AND GREEN PLACES IN MITIGATING CLIMATE CHANGE NEGATIVE IMPACTS IN URBAN SOCIETIES, KIVU PROVINCE, EASTERN DR CONGO**, Théodore MUNYULI, Kituta RUBABURA, Mulangane KIZUNGU, Balegamire BYENDA, Kavuvu MBAKA, Yajuamungu KALIMBA
- P 398** **CLIMATE-SMART AGRICULTURE OPPORTUNITIES TO MANAGE CLIMATE VARIABILITY-RELATED RISKS IN MOUNTAIN ZONES OF SOUTH-KIVU PROVINCE, EASTERN DR CONGO**, Théodore MUNYULI, Kituta RUBABURA, Mulangane KIZUNGU, Balegamire BYENDA, Kavuvu MBAKA, Yajuamungu KALIMBA
- P 399** **INTEGRATING SOCIO-ECOLOGICAL RESILIENCE WITH WATER RESOURCES MANAGEMENT TO PROMOTE ECO-HEALTH AND HUMAN WELL-BEING IN THE KIVU PROVINCES, EASTERN DR CONGO**, Théodore MUNYULI, Kituta RUBABURA, Mulangane KIZUNGU, Balegamire BYENDA, Kavuvu MBAKA, Yajuamungu KALIMBA

- P 400 HUMAN BEHAVIOR AND ENVIRONMENTAL SUSTAINABILITY CHALLENGES IN MOUNTAIN ZONES OF KIVU PROVINCES, EASTERN DR CONGO**, Théodore MUNYULI, Kituta RUBABURA, Mulangane KIZUNGU, Balegamire BYENDA, Kavuvu MBAKA, Yajuamungu KALIMBA
- P 401 EFFECT OF WATER QUALITY, ENVIRONMENTAL SANITATION AND HYGIENE PRACTICES ON HEALTH OF CHILDREN ATTENDING SCHOOLS IN SLUM AREAS OF BUKAVU TOWN, SOUTH-KIVU PROVINCE, EASTERN OF DR CONGO**, Théodore MUNYULI, Kituta RUBABURA, Mulangane KIZUNGU, Balegamire BYENDA, Kavuvu MBAKA, Yajuamungu KALIMBA
- P 402 EFFECTS OF ENVIRONMENTAL DEGRADATION AND NATURAL HAZARDS (FLOODS, LANDSLIDES, SOIL-WATER EROSION) ON FISHERIES RESOURCES IN WESTERN PART OF LAKE KIVU SHORES, EASTERN DR CONGO**, Théodore MUNYULI, Kituta RUBABURA, Mulangane KIZUNGU, Balegamire BYENDA, Kavuvu MBAKA, Yajuamungu KALIMBA
- P 403 FARMERS' PERCEPTION OF CLIMATE CHANGE IMPACTS, ENVIRONMENTAL DEGRADATION , NATURAL HAZARDS, LOCAL ADAPTATION AND APPROPRIATED MITIGATION MEASURES IN KALEHE TERRITORY, SOUTH-KIVU PROVINCE, EASTERN DR CONGO**, Théodore MUNYULI, Kituta RUBABURA, Mulangane KIZUNGU, Balegamire BYENDA, Kavuvu MBAKA, Yajuamungu KALIMBA
- P 404 DRIVERS OF ECOSYSTEM SERVICES AND HUMAN WELL-BEING DECLINE IN RUZIZI RIVER PLAIN WATERSHED, SOUTH-KIVU PROVINCE, EASTERN DR CONGO**, Théodore MUNYULI, Kituta RUBABURA, Mulangane KIZUNGU, Balegamire BYENDA, Kavuvu MBAKA, Yajuamungu KALIMBA
- P 405 CADMIUM IN AGRICULTURAL SOILS ON LIMESTONES IN DALMATIA, CROATIA**, Boško MILOŠ, Aleksandra BENSA
- P 406 EVALUATION OF FLOWER BEDS WITH PERENNIALS IN THE CITY DISTRICT NOVI ZAGREB – EAST**, Ines HAN DOVEDAN, Nina BOSNAR, Miroslav POJE, Dubravka DUJMOVIĆ PURGAR
- P 407 WATER PUMPING PERFORMANCE FOR ROOF CULTIVATIONS UNITS USING THREE SMALL AC/DC SOLAR PV WATER PUMPING SYSTEMS**, Samar A. HASSAN, M.K. ABD EL-WAHAB, A.M. EL SHAI, W.E. ABD ALLAH
- P 408 BEE FORAGE DIVERSITY IN ETHIOPIAN VEGETATION AND ACHIEVEMENTS IN ETHIOPIA**, Admassu ADDI, Tura BAREKEAND, Kibebew WAKJIRA
- P 409 ETHNOBOTANICAL STUDY OF MEDICINAL PLANTS USED TO TREAT HUMAN AILMENT IN GUDURU DISTRICT OF OROMIA REGIONAL STATE, ETHIOPIA**, Abiyot TADESSE, Birhanu KAGNEW, Firew KEBEDE, Mulugeta KEBEDE
- P 410 MECHANISMS FOR SUCCESSFUL BIOLOGICAL RESTORATION OF THE THREATENED *JUNIPERUS PROCERA* (CUPRESSACEAE) ON DEGRADED LANDSCAPE, ETHIOPIA**, Legesse NEGASH, Birhanu KAGNEW
- P 411 CALIBRATION OF SALTMED MODEL FOR INDUSTRIAL TOMATO CULTIVATION IN CENTRAL GREECE USING A DRIP IRRIGATION SYSTEM**, Maria KOKKORA, Antonios SIOURAS, Panagiotis VYRLAS, Dimitrios KALFOUNTZOS
- P 412 LIFEGrIn: GREENING OUR CITIES FOR MORE RESILIENT LIVES**, Evangelia V. AVRAMIDOU, Alexandra D. SOLOMOU, Evangelia KORAKAKI, Konstantinia TSAGKARI, Nikolaos PROUTSOS, George KARETSOS, Aimilia B. KONTOGIANNI, Nikolaos GOUNARIS, Konstantinos KONTOS, Christos GEORGIADIS, Despoina VLACHAKI
- P 413 LOCATION, EVALUATION AND REPRODUCTION OF LOCAL VARIETIES OF FRUIT TREES IN NORTHERN GREECE AND EPIRUS: PROGRAM PRESENTATION**, George PATAKIOUTAS, Dimitrios KYRKAS, Paraskevi YFANTI, Dimitra DHMOU, Nikolaos MANTZOS, George KARRAS, Dimitra DOUMA, Dimitrios GIOTIS, Lampros ROUMPOS, Anastasia BADEKA, Ioannis MANTHOS, Eleni MALOUPA, Evangelos FILIS, Nikolaos NIKISIANIS
- P 414 INVESTIGATION OF NUTRITIONAL PARAMETERS IN STORAGE OF SEA BUCKTHORN (*HIPPOPHAE RHAMNOIDES L.*) JUICE**, Chagnaadorj RENTSENDAAVA, Diána FURULYÁS, Anna Melissa NÉMETH, Mónika STÉGER-MÁTÉ
- P 415 CHANGES IN SOIL PROPERTIES IN URBAN ENVIRONMENT**, Gábor SÁNDOR
- P 416 AN INVESTIGATION ON BEHAVIOR AND SUSTAINABILITY OF LANDSLIDES BASED ON FRACTAL DIMENSION (CASE STUDY: DAMAVAND WATERSHED)**, Ali HAMIDIAN

- P 417** **EVALUATION OF GROUND-BASED SURFACE SOLAR RADIATION DATA VERSUS SATELLITE PRODUCTS (CASE STUDY: IRAN)**, Ali-Akbar SABZIPARVAR, Nooshin AHMADIBASERI, Lucas ALADOS ARBOLEDAS
- P 418** **COMBINATION OF BIOLOGICAL FERTILIZERS WITH NITROGEN AND PHOSPHORUS FERTILIZERS TO REDUCE THE USE OF CHEMICAL FERTILIZERS IN SUGAR BEET**, Hamid HATAMI, Mohammad Reza TOKALLOO, Mojtaba GHANBARABADI, Soghra KEBRIAIE
- P 419** **DEVELOPING THE SOFTWARE FOR SPATIO-TEMPORAL ANALYSES OF VEGETATION INDICES: CASE STUDY OF ARSANJAN COUNTY, FARS, IRAN**, Mohammad Jafar NAZEMOSADAT, Ali EBRAHIMI, Razieh SHADKAM
- P 420** **RICE AGENTS' PERCEPTIONS TOWARDS ENVIRONMENTALLY SOUND AGRICULTURE IN GUILAN PROVINCE, IRAN**, Mohammad SADEGH ALLAHYARI, Effat DASHTGIR
- P 421** **BIODIESEL SYNTHESIS FROM KITCHEN WASTE OIL USING NATURAL CATALYST**, Sahel SHAHBAZADEH, S. Jafar HASHEMI, Pooriya BIPARVA, Reza TABATABAEE
- P 422** **MITIGATING CLIMATE CHANGE INDUCED DROUGHT IN HARVESTING AND WATER USE EFFICIENCIES– A CASE OF AGRICULTURE IN MIGORI COUNTY (KENYA)**, Francis KEYA
- P 423** **GENETIC DIVERSITY STUDIES OF LATVIAN *VACCINIUM MYRTILLUS* L. POPULATIONS FOR *IN SITU* CONSERVATION**, Agnese GAILĪTE, Anita GAILE, Dainis RUŅĪS
- P 424** **MORPHOLOGICAL CHARACTERISATION OF OREGANO (*ORIGANUM VULGARE* L.) ACCESSIONS GROWN IN LATVIA**, Irina SIVICKA, Aleksandrs ADAMOVIČS
- P 425** **DYNAMICS OF THE SOIL MOISTURE POTENTIAL AND TEMPERATURE IN THE PODSOLIC SOIL**, Otilija MIŠECKAITE, Yuri MAZHAYSKIY, Nikolay MUROMTSEV, Kirill ANISIMOV, Pavlov ARTEM
- P 426** **CLIMATE CHANGE CHALLENGES FOR AGRICULTURE IN LITHUANIA**, Otilija MIŠECKAITE
- P 427** **THE EFFECTS OF "CLEAN FEEDING" MANAGEMENT FOR DAIRY ANIMALS RADIOACTIVITY IN MILK IN NORTH MACEDONIA 30 YEARS AFTER THE CHERNOBYL REACTOR ACCIDENT**, Aleksandra ANGJELESKA, Radmila CRCEVA-NIKOLOVSKA, Vasilka POPOSKA-TRENEVSKA, Elizabeta DIMITRIESKA-STOJKOVIK, Blagica SEKOVSKA
- P 428** **CHEMICAL COMPOSITION OF FLOODPLAIN SOILS OF THE LOWER DNIESTER RIVER**, Tamara LEAH, Nicolai LEAH
- P 429** **THE USE OF BITUMINARIA BITUMINOSA AS AN ALTERNATIVE FOR THE RESTORATION OF PASTORAL LANDS IN THE MIDDLE ATLAS OF MOROCCO**, Omar ZENNOUHI, Mohamed EL MDERSSA, Laila NASSIRI, Jamal IBIBIJEN
- P 430** **ASSESSMENT OF CLIMATE CHANGE ADAPTATION STRATEGIES USED BY CASSAVA-BASED FARMERS IN SOUTHERN NIGERIA**, Adanna HENRI-UKOHA
- P 431** **ASSESSMENT OF CLIMATE CHANGE IMPACT AND SEAWATER INTRUSION ON THE AGRICULTURAL WATER DEMAND IN GAZA STRIP**, Izz Al-SHAWA, Mladen TODOROVIC, Husam ALNAJAR, Karam ALAOR
- P 432** **RISK FACTORS ASSOCIATED WITH DIARRHEAL DISEASES AMONG UNDER-FIVE CHILDREN IN GAZA STRIP: SOCIOECONOMIC AND ENVIRONMENTAL ASPECTS**, Yosor ALATRASH, Adnan AISH, Mazen ABU GAMAR, Doaa HUSSEIN
- P 433** **THE HOUSEHOLDS BIO-WASTE MANAGEMENT ON THE EXAMPLE OF THE MALOPOLSKA REGION**, Małgorzata PINK, Dawid BEDLA, Marta CZEKAJ
- P 434** **LIFE CYCLE ASSESSMENT AND LIFE CYCLE COSTING OF WINTER WHEAT PRODUCTION IN DIFFERENT SOIL TILLAGE SYSTEMS**, Małgorzata HOLKA, Jerzy BIENKOWSKI
- P 435** **IONIC LIQUIDS AS NEW ANTIBACTERIAL COMPOUNDS TO FIGHT PSEUDOMONAS AERUGINOSA**, Tomasz CŁAPA, Jakub MICHALSKI, Anna SYGUDA, Dorota NAROŻNA, Peter van OOSTRUM, Erik REIMHULT
- P 436** **LANDSCAPE-ADAPTIVE METHODS FOR CROPPING FODDER CROPS IN THE NORTH-EAST OF RUSSIA**, Nikolai UKHOV

- P 437 RESULTS OF TESTING THE SOWING AGGREGATES FOR PLANTING THE NARROW-ROW CROPS WITH CONVENTIONAL AND REDUCED TILLAGE**, Saša BARAČ, Milan BIBERDŽIĆ, Dragan PETROVIĆ, Aleksandar ĐIKIĆ, Aleksandar VUKOVIĆ, Rade RADOJEVIĆ
- P 438 CONTENT OF NITROGEN IN AGROCULTURAL SOIL ON THE TERRITORY OF THE MUNICIPALITIES AND THE TOWN OF NIŠ (SERBIA)**, Dragan GRČAK, Milosav GRČAK, Dragana GRČAK, Snežana GOŠIĆ-DONDO, Mirosljub AKSIĆ, Vera ĐEKIĆ, Katerina NIKOLIĆ
- P 439 AGRICULTURE AND CLIMATE CHANGE IN THE REPUBLIC OF SERBIA**, Dragana DROBNJAK, Nenad KATANIC
- P 440 ANALYSIS OF DROUGHT IN NEGOTIN LOWLAND FROM THE ASPECT OF PLANT PRODUCTION**, Erika GREGORIĆ, Gordana MATOVIĆ, Vesna POČUČA
- P 441 GEOGRAPHICAL ORIGIN OF INVASIVE PLANT SPECIES IN THE WORLD AND SERBIA**, Milan GLIŠIĆ, Vera RAŠKOVIĆ, Vera MILOŠEVIĆ, Vojislav TOMIĆ
- P 442 PHOSPHORUS, POTASSIUM AND NITROGEN ABUNDANCE IN SOIL OF DOLJEVAC MUNICIPALITY**, Milosav GRČAK, Dragan GRČAK, Dragana GRČAK, Mirosljub AKSIĆ, Slaviša GUDŽIĆ, Katerina NIKOLIĆ, Vera ĐEKIĆ
- P 443 ABUNDANCE OF POTASSIUM AND PHOSPHORUS IN AGRICULTURAL SOIL OF THE MUNICIPALITIES AND THE CITY OF NIŠ**, Milosav GRČAK, Dragan GRČAK, Dragana GRČAK, Mirosljub AKSIĆ, Slaviša GUDŽIĆ, Katerina NIKOLIĆ, Vera ĐEKIĆ
- P 444 POSSIBILITY AND EFFECTIVENESS OF MICRO-ORGANISMS IN PURIFICATION OF WASTE WATER, LAGUNA AND WATERWAY**, Mirko GRUBIŠIĆ, Radislav RADOVIĆ, Ljiljana BOŠKOVIĆ-RAKOCEVIĆ, Marija PETROVIĆ, Jelena PETROVIĆ, Jelena MILOJKOVIĆ, Marija KOJIĆ
- P 445 BUILDING FRAMEWORK FOR TRANSITION TO 'ONE WATER' PARADIGM IN SERBIA**, Zorica SRĐEVIĆ, Bojan SRĐEVIĆ
- P 446 EFFECTIVENESS OF PLANT GROWTH PROMOTING RHIZOBACTERIA IN IMPROVING THE PHYTOREMEDIATION POTENTIAL OF LATHYRUS SATIVUS**, Souhir ABDELKRIM, Salwa HARZALLI JEBARA, Ghassen ABID, Khediri MANNAI, Faten LOUATI, Moez JEBARA
- P 447 SUSTAINABILITY DRIVEN MODERNIZATION IN IRRIGATED AGRICULTURE**, Aymen SAWASSI
- P 448 DIVERSITY AND SPECIFICITY OF BIOTA IN TUNISIAN ARTIFICIAL RESERVOIRS IN A MANAGEMENT CONTEXT**, Amel BEN REJEB JENHANI, Afef FATHALLI, Khaled GHARBI, Mohamed Salah ROMDHANE
- P 449 EFFECTS OF DRAINAGE AND RUNOFF ON THE PRODUCTIVITY OF THE LAGOON OF GHAR EI MELH (TUNISIA)**, Mohamed Salah ROMDHANE, Chiheb FASSATOU, Amel BEN REJEB JENHANI
- P 450 CHANGES AT AGRICULTURE FROM GOBEKLITEPE ARCHAEOLOGICAL SITE IN THE SOUTHEASTERN ANATOLIA REGION OF TURKEY TO TODAY**, Ali Rıza ÖZTÜRKMEN, Özlem ÖZTÜRKMEN
- P 451 DETERMINATION AND MAPPING OF PARAMETERS IN SURUC PLAIN BEFORE IRRIGATION**, Ali Rıza ÖZTÜRKMEN, İsmail Cihan ÇIÇEK
- P 452 DROUGHT ANALYSIS FOR GEDIZ BASIN USING STANDARDIZED PRECIPITATION EVAPOTRANSPIRATION INDEX (SPEI)**, Alper Serdar ANLI
- P 453 DETERMINATION OF THE EFFECT OF BIOCHAR AND OLIVE MILL WASTE APPLICATIONS ON SOIL FERTILITY**, Erdem YILMAZ, Seda TORUN
- P 454 INVESTIGATION OF THE EFFECTS OF DIFFERENT BARN PLANNING SYSTEMS ON WASTE CHARACTERISTICS – CASE STUDY OF TURKEY**, Havva Eylem POLAT
- P 455 EFFECT OF CO-COMPOSTED CHARCOAL FROM GASIFIER PLANTS ON PLANT GROWTH, NUTRIENT UPTAKE AND SOIL FERTILITY**, Thomas HÄMMERLE, Benjamin HUPFAUF
- P 456 AGRICULTURE AND LAND USE: CONTEXT ANALYSIS AND FUTURE PERSPECTIVES FROM THE MEDITERRANEAN TO THE APULIA REGION**, Simona GIORDANO
- P 457 THE MEASURES OF THE COMMON AGRICULTURAL POLICY AS A TOOL FOR THE IMPLEMENTATION OF SUSTAINABLE DEVELOPMENT IN POLAND**, Anna DUBOWNIK, Barbara SZYDA, Czesław ADAMIAK, Roman RUDNICKI

- P 458 VARIATION OF SOIL STRUCTURE IN THE FOOT AND TOE SLOPES OF MT. VUKAŃ, EAST-CENTRAL SERBIA**, Ljubomir B. ŽIVOTIĆ, Boško A. GAJIĆ, Branka ŽARKOVIĆ, Vesna RADOVANOVIĆ, Ljiljana NEŠIĆ, Aleksandar R. ĐORĐEVIĆ
- P 459 HARMONIZATION OF RELATIONS BETWEEN URBAN AREAS, AGROCOMPLEX AND FOREST BIOCENOSIS IN THE MANAGEMENT FUNCTION**, Saša OBRADOVIĆ, Branislav ŠARČEVIĆ, Dragana GRUJIĆ ŠARČEVIĆ, Raško STEFANOVIĆ, Milanka RADULOVIĆ, Branko PETRUJKIĆ, Nebojša POTKONJAK
- P 460 THE CONCENTRATIONS OF HEAVY METALS IN THE LIVER AND MUSCLE TISSUE OF THREE KINDS OF FISH DURING FIVE YEAR PERIOD**, Saša OBRADOVIĆ, Branko PETRUJKIĆ, Milanka RADULOVIĆ, Raško STEFANOVIĆ, Nebojša POTKONJAK, Milica ŽIVKOV-BALOS, Vladimir ŽIVKOVIĆ
- P 461 THE POTENTIAL OF EXOPOLYSACCHARIDE AND PECTIN PRODUCTION FROM TOMATO WASTES**, Melih GÜZEL, Özlem AKPINAR
- P 462 DEVELOPMENT OF E-LEARNING PLATFORM FOR THE SAFE USE OF PLANT PROTECTION MACHINERY AND PESTICIDES**, Yeşim Benal ÖZTEKİN, Hüseyin DURAN, Alper TANER, Kubilay Kazım VURSAVUŞ, Kamil SAÇILIK, Massimo CANALICCHIO, Javier F. Morales LUQUE, Roberto LIMONGELLI
- P 463 PREDICTING THE IMPACT OF CLIMATE CHANGE ON YIELD AND WATER REQUIREMENT OF RAINFED CROPS IN SETIF REGION (ALGERIA)**, Tarek BOUREGAA
- P 464 WATER CHALLENGES AND PERSPECTIVES OF DATE PALM TREE SECTOR IN JERICHO AREA/OCCUPIED PALESTINIAN TERRITORIES (OPT)**, Amer SAWALHA, Ben SONNENVELD, Muhannad ALHAJHASSEIN
- P 465 CLIMATE INFORMATION USE BEHAVIOUR OF FARMERS WITH SPECIAL REFERENCE TO CLIMATE INFORMATION SYSTEMS IN SRI LANKA**, Neluwe M. K. C. PREMARATHNE, L. H. P. GUNARATHNE, Athula SENARATHNE
- P 466 SALINITY MAPPING AND ASSESSING LEACHING EFFICIENCY BY MEANS OF EM38: A CASE STUDY OF A GOLF COURSE IN USA-CALIFORNIA-DOVE CANYON**, Gülüzar DUYGU SEMİZ, Donald L. SUAREZ, Scott M. LESCH
- P 467 THE EFFECTS OF SALINITY AND DROUGHT LEVELS OF TWO DIFFERENT PEPPER GENOTYPES**, G. Duygu SEMİZ, Yusuf KOCAKAYA, Cansu ŞENTÜRK, Damla ALPSOY, M. Sevba ÇOLAK
- P 468 CRITIQUING NATURAL RESOURCE RESEARCH IN SILOS-LESSONS FROM RURAL MINING COMMUNITIES IN GHANA**, Alesia DEDAA
- P 469 SUSTAINABILITY ASSESSMENT OF AGRICULTURAL ACTIVITIES IN EDİRNE, TURKEY**, Berrin KURSUN

ANIMAL HUSBANDRY

Conference Hall G (Hotel Board)

Friday, (October 4th, 2019), 15:30 - 16:00

Working committee

Chairpersons: Radovan KASARDA, Nina MORAVCIKOVA

- P 470 ASSESSMENT OF GENETIC DIVERSITY OF TURKISH AND ALGERIAN NATIVE SHEEP BREEDS**, Abdelkader AMEUR AMEUR, Onur YELMAZ, Nezih ATA, Ibrahim Cemal, GAOUAR Semir Bechir SUHEIL
- P 471 STILLBIRTH IN RABBITS OF ALGERIAN SYNTHETIC LINE**, Rafik BELABBAS, Rym EZZEROUG, Amel LAGHOUATI, Naima SAHRAOUI, Fatah TAZERART, Ali BERBAR
- P 472 EFFECT OF GENOTYPE ON MEAT AND CARCASS TRAITS IN RABBITS**, Rafik BELABBAS, Rym EZZEROUG, Amel LAGHOUATI, Naima SAHRAOUI, Fatah TAZERART, Ali BERBAR
- P 473 EFFECT OF FETAL SEX ON THE CORPORAL DEVELOPMENT AND AMNIOTIC LIQUID HORMONES CONCENTRATION IN RABBITS**, Rafik BELABBAS, Rym EZZEROUG, Amel LAGHOUATI, Naima SAHRAOUI, Fatah TAZERART, Ali BERBAR
- P 474 STUDY OF MILK PRODUCTION AND ITS FACTORS OF VARIATION IN RABBITS OF ALGERIAN SYNTHETIC LINE**, Rafik BELABBAS, Rym EZZEROUG, Amel LAGHOUATI, Naima SAHRAOUI, Fatah TAZERART, Ali BERBAR
- P 475 EFFECT OF THE PROTEIN/ENERGY RATIO OF THE FOOD ON GROWTH PERFORMANCE AND CARCASS YIELD IN RABBITS OF LOCAL POPULATION**, Nadia BENALI, Hacina AIBAZIZ, Yamina DAHMANI, Rachid KADDOUR, Rafik BELABBAS, Manel CHERRANE, Soraya TEMIM
- P 476 STUDY OF KIDS WEIGHT AT BIRTH AND ITS FACTORS OF VARIATION IN RABBITS OF ALGERIAN SYNTHETIC LINE**, Ali BERBAR, Rafik BELABBAS, Rym EZZEROUG, Amel LAGHOUATI, Fatah TAZERART, Naima SAHRAOUI
- P 477 CHARACTERIZATION OF THE REPRODUCTIVE PERFORMANCES IN RABBITS OF ALGERIAN SYNTHETIC LINE**, Ali BERBAR, Rafik BELABBAS, Rym EZZEROUG, Amel LAGHOUATI, Fatah TAZERART, Naima SAHRAOUI
- P 478 EFFECT OF OMEGA 3 ON THE REPRODUCTIVE PERFORMANCE OF THE ALGERIAN SYNTHETIC RABBIT IN ARTIFICIAL INSEMINATION**, Khedidja BOUDOUR, El Hassen LANKRI, Ahmed AÏCHOUNI Nacira ZERROUKI, Mokhtar SAIDI
- P 479 EFFECT OF SPERM STORAGE TIME AND TEMPERATURE ON SEMEN QUALITY IN THE RABBIT LINE ITELV 2006**, Elhassen LANKRI, Khadideja BOUDOUR, Ahmed AÏCHOUNI, Fatima RECHACHOU, Nacira ZERROUKI
- P 480 CHARACTERIZATION OF THE ALGERIAN SYNTHETIC LINE OF RABBITS**, Rym EZZEROUG, Rafik BELABBAS, Mari LUZ GARCIA, Amel LAGHOUATI, Fatah TAZERART, Naima SAHRAOUI, Ali BERBAR, Maria JOSÉ ARGENTE
- P 481 STUDY OF REPRODUCTIVE PERFORMANCES AND EARLY EMBRYO DEVELOPMENT IN RABBITS OF ALGERIAN SYNTHETIC LINE**, Rym EZZEROUG, Rafik BELABBAS, Amel LAGHOUATI, Fatah TAZERART, Naima SAHRAOUI, Ali BERBAR
- P 482 STUDY OF THE IMPACT OF SOME FACTORS ON THE VARIATION OF THE BUTYROUS AND PROTEIN CONTENT OF COWS MILK IN TWO FARMS IN THE CENTRAL REGION OF NORTHERN ALGERIA**, Mohamed Khalil GHOZLANE, Rafik BELABBAS, Saïd BOUKHECHEM
- P 483 CHARACTERIZATION AND IDENTIFICATION OF CERTAIN GOAT BREEDS IN EASTERN ALGERIA**, Sidi Mohammed KALAI
- P 484 NUTRITIONAL VALUE OF GRASSLAND MEADOW GRASS GRAZED BY DAIRY COWS**, Malika ABBAD-BENNOUR, Messaouda BELAÏD, Rachid AMRANE, Melkhir BOUDI, Fares BAÏCHE, Kenza KHELIL
- P 485 STUDIES OF FACTORS INFLUENCING THE GROWTH OF OULED DJELLAL LAMBS IN THE SEMI-ARID REGION (EASTERN ALGERIA)**, Achour MENNANI, Yasmine ARBOUCHE, Rafik ARBOUCHE

- P 486 MORPHOMETRIC CHARACTERIZATION OF THE EQUINE BARBE BREED IN ALGERIA**, Mohammed BENHAMADI, MEZOUAR, K., BENYAROU, M., BOUANDASSE, A., GAOUAR, S.B.S.
- P 487 MORPHOMETRIC CHARACTERIZATION AND TYPOLOGY OF DONKEY FARMING (EQUUS ASINUS) IN THE WILAYA OF TLEMCEM**, M. LABBACI, A. DJAOUT, M. BENYAROU, A. AMEUR AMEUR, S.B.S. GAOUAR
- P 488 EFFECT OF DIFFERENT DIETARY PROTEIN CONTENT ON PRODUCTION PARAMETERS OF CROSS-BRED FATTENING LAMBS**, Aida KAVAZOVIĆ, Almira SOFTIĆ, Teufik GOLETIĆ, Amina HRKOVIĆ-POROBIJA, Dinaida TAHIROVIĆ, Aida KUSTURA, Dragana RUŽIĆ-MUSLIĆ, Kenan PODŽO
- P 489 THE INFLUENCE OF MILK TYPE ON THE PROTEOLYSIS OF WHITE-BRINED CHEESE MANUFACTURED FROM HIGH-HEAT-TREATED MILK PRETREATED WITH CHYMOSIN**, Mirosljub BARAĆ, Mirjana PEŠIĆ, Milenko SMILJANIĆ, Ivana SREDOVIĆ-IGNJATOVIĆ, Aleksandar KOSTIĆ, Danijel MILINČIĆ
- P 490 FUNCTIONALITY OF TRADITIONAL SERBIAN WHITE-BRINED CHEESES**, Mirosljub BARAĆ, Mirjana PEŠIĆ, Ivana SREDOVIĆ-IGNJATOVIĆ, Aleksandar KOSTIĆ, Danijel MILINČIĆ, Milenko SMILJANIĆ
- P 491 THE EFFECT OF AGE OF PARENT YOUNG BROILER ON THE EFFICIENCY OF INCUBATION OF CHICKENS**, Tatjana ZDRALIC, Sreten MITROVIC, Darko VUJICIC, Milena MILOJEVIC
- P 492 CHARACTERISTICS OF BASIC BEHAVIOURAL FEATURES OF 'HORNLESS HEREFORD' LACTATING COWS RAISED ON A NATURAL GRASSLAND**, Nikolay MARKOV
- P 493 EFFECT OF SEX ON GROWTH OF ABERDEEN ANGUS CALVES**, Radek FILIPCİK, Jan KUČHTIK, Vojtech PESAN, Zuzana RECKOVA, Martin HOSEK, Katarina SOUSKOVA
- P 494 STUDIES ON THE GENE ACTION OF WHEAT CROP UNDER DIFFERENT ENVIRONMENTAL CONDITIONS**, A.A. EL-GAMMAAL, A.A. MORAD, I.E.M. EL-KASAS
- P 495 UTILIZATION OF ATRIPLEX LEUCOCLADA BOISS AND NOAEA MUCRONATA FORSSK.) ASCH. & SCHWEINF. IN DAIRY GOATS DIET**, Fatma RAMADAN ABD ALAZIZ
- P 496 OF MORINGA OLEIFERA LEAF EXTRACT ON REPRODUCTION AND OXIDATIVE STATUS OF DOE RABBITS**, Ibrahim Talat EL-RATEL, Ahmed ABELWANEES GABR, Sara Fikry FOUDA
- P 497 ANTIMICROBIAL SENSITIVITY PATTERN OF EGYPTIAN AVIAN PASTEURELLA MULTOCIDA STRAINS**, Wafaa A. ABD EL-GHANY, Hanan A. AHMED, Ali Z. QANDOOS
- P 498 THE NET GAIN IN PIG PRODUCTION IN THE REUNION ISLAND AFFECTED BY PINEAPPLE SILAGE**, Aurélie DE PALMAS, Daniel Johannes Erhard KALNIN, Ludovic ANDRES
- P 499 EFFECT OF DIETS CONTAINING SYMBIOTIC (PROBIOTIC PROTAXIN AND PREBIOTIC MANAN-OLIGOSACCHARIDE) ON THE GROWTH PERFORMANCE, SURVIVAL AND BODY COMPOSITION OF WESTERN PACIFIC SHRIMP (LITOPENAEUS VANNAMEI)**, Abdolmohammad ABEDIA KENARI, Saeid VOSHTANI
- P 500 SEROLOGICAL STUDY OF CHICKEN INFECTIOUS ANEMIA DISEASES IN BROILER CHICKEN FLOCKS IN SANANDAJ, IRAN**, Arnjad FARZINPOUR
- P 501 EFFECTS OF PISTACHIO BY-PRODUCT POLYPHENOLS ON OXIDATIVE STABILITY AND A-LINOLENIC ACID RETENTION IN EXTRUDED LINSEED DURING LONG TERM STORAGE**, Morteza KORDI, A. A. NASERIAN, F. SAMADIAN
- P 502 COMPARISON OF NUTRITIONAL VALUE AND IN VITRO GAS PRODUCTION OF SOME IRANIAN NUTS HULLS**, Morteza KORDI, A. A. NASERIAN
- P 503 SURVEY ON INFECTIONS BY TRICHOMONAS GALLINAE AND TRITRICHOMONAS FOETUS IN BIRDS, CATTLE AND CATS AND THEIR ECONOMIC IMPACT IN NORTH WEST OF IRAN**, Mousa TAVASSOLI, Maryam SOLTANI, Seyed ALI GHORASHI
- P 504 PRODUCTION OF CHEESE FROM DONKEY MILK: MAY THE USE OF TRANSGLUTAMINASE IMPROVE THE CLOTTING ACTIVITY?**, Angela Gabriella D'ALESSANDRO, Giovanni MARTEMUCCI
- P 505 LIVESTOCK, SUSTAINABLE FOOD SYSTEMS AND THE SUSTAINABLE DEVELOPMENT GOALS**, Víctor SERRA PRIETO, Hamid EL BILALI, Giovanni OTTOMANO PALMISANO, Francesco BOTTALICO, Gianluigi CARDONE, Roberto CAPONE

- P 506 BODY AND CARCASS CHARACTERISTICS OF BALADI, DAMASCUS, BALADI-DAMASCUS CROSSBREED GOAT KIDS AND AWASSI SHEEP LAMBS SLAUGHTERED AT DIFFERENT AGES**, Abdullah Y. ABDULLAH, Faisal S. AL-BARAHEH
- P 507 EFFICIENCY OF USE BEANS AND PEAS IN THE DIET OF DAIRY COWS**, Aiga TRUPA, Baiba OSMANE
- P 508 THE EFFECTS OF DIET ON GROWTH, CARCASS CHARACTERISTICS AND MEAT QUALITY OF LAMB AND GOAT KID**, Elita APLOCINA, Lilija DEGOLA
- P 509 STUDY OF FISH PARASITES *DACTYLOGYRUS* BY CONFOCAL LASER SCANNING MICROSCOPY**, Inese GAVARĀNE, Ilze RUBENIŅA, Elena KIRILOVA, Muza KIRJUŠINA
- P 510 THE CHEMICAL CONTENT OF BEEF MEAT AT THE DIFFERENT FEEDING**, Lilija DEGOLA, Elita APLOCINA
- P 511 BENZANTHRONE LUMINOPHORES FOR EXAMINATION OF FISH DIPLOSTOMUM METACERCARIAE**, Muza KIRJUŠINA, Ilze RUBENIŅA, Elena KIRILOVA, Inese GAVARĀNE
- P 512 INFLUENCE OF LEPTIN GENE C3469T POLYMORPHISM ON PRODUCTION TRAITS IN PIGS**, Nijolė PEČIULAITIENĖ, Ramutė MIŠEIKIENĖ, Renata BIZIENĖ, Rasa UGENSKIENĖ
- P 513 THE EFFECT OF LACTATION NUMBER AND LACTATION STAGE ON COWS MILKING PARAMETERS**, Ramutė MIŠEIKIENĖ, Saulius TUŠAS, Nijolė PEČIULAITIENĖ
- P 514 PRODUCTIVE AND REPRODUCTIVE PERFORMANCE OF DAIRY CATTLE ACCORDING TO CALVING SEASON IN LITHUANIA**, Ramutė MIŠEIKIENĖ, Saulius TUŠAS
- P 515 NATURAL RADIONUCLIDES IN POULTRY FEED AND ASSESSMENT OF RADIATION RISK**, Aleksandra ANGJELESKA, Elizabeta DIMITRIESKA-STOJKOVIK, Radmila CRCEVA-NIKOLOVSKA, Zehra HAJRULAI-MUSLIU, Biljana DIMZOVSKA-STOJANOVSKA, Gordana ILIEVSKA
- P 516 FIRST RECORDS OF *ICHTIOPHTHIRIUS MULTIFILIIS* ON CYPRINID FISHES FROM AQUACULTURE FACILITIES IN MACEDONIA**, Dijana BLAZHEKOVIKJ - DIMOVSKA, Stojmir STOJANOVSKI
- P 517 TOLERANCE OF AFRICAN GIANT LAND SNAILS (*ARCHACHATINA MARGINATA*) TO VARYING DIETARY SALT**, Chidi Leonard UGWUOWO, Anyaokwei H. N.
- P 518 DIETARY SODIUM BUTYRATE IMPROVES FUNCTIONING OF THE SMALL INTESTINE ENTERIC NERVOUS SYSTEM AND INFLUENCES AN ELECTROLYTE PROFILE IN PLASMA OF WEANED PIGLETS**, Agnieszka MARKIEWICZ-GOSPODAREK, Sylwia SZYMANCZYK, Marcin B. ARCISZEWSKI, Iwona PUZIO, Małgorzata KAPICA, Jose Luis VALVERDE PIEDRA
- P 519 THE CHAID TREES FOR BODY WEIGHT GAIN PREDICTION IN HARNAI SHEEP**, Daniel ZABORSKI, Wilhelm GRZESIAK, Ecevit EYDURAN, Mohammad Masood TARIQ, Muhammad ALI
- P 520 THE PREDICTION OF DAILY BODY WEIGHT GAINS IN HARNAI SHEEP USING A RANDOM FOREST**, Daniel ZABORSKI, Małgorzata SZEWCZUK, Wilhelm GRZESIAK, Ecevit EYDURAN, Mohammad Masood TARIQ, Muhammad ALI
- P 521 MORPHOLOGICAL ANALYSIS OF DIFFERENT GASTROINTESTINAL TRACT NEUROENDOCRINE CELLS POPULATIONS IN PIGS FEED WITH DIFFERENT VARIETIES OF RYE AND CORN**, Marcin Bartłomiej ARCISZEWSKI, Anna ZACHARKO-SIEMBIDA, Ewa TOMASZEWSKA, Siemowit MUSZYNSKI, Jose Luis VALVERDE PIEDRA, Sylwia SZYMANCZYK, Piotr DOBROWOLSKI, Tomasz SCHWARZ
- P 522 THE CHEMICAL COMPOSITION AND QUALITY OF MEAT FROM POLISH NATIVE PIG BREEDS**, Władysław MIGDAŁ, Regina KULIG, Aleksandra LEKSTON, Maria WILCZYCKA, Łukasz MIGDAŁ, Anna MIGDAŁ
- P 523 THE IMPACT OF MODERN VARIETIES OF RYE ON THE HISTOLOGICAL STRUCTURE AND MUCOSAL BARRIER FUNCTION OF THE GASTROINTESTINAL TRACT OF PIGS**, Sylwia SZYMANCZYK, Ewa TOMASZEWSKA, Marcin B. ARCISZEWSKI, Piotr DOBROWOLSKI, Siemowit MUSZYNSKI, Anna ZACHARKO-SIEMBIDA, Jose Luis VALVERDE PIEDRA, Sylwester KOWALIK, Agnieszka CHAŁABIS-MAZUREK, Tomasz SCHWARZ
- P 524 EFFECTS OF *SACCHAROMYCES BOULGARDI* AND MIXTURE OF POWERED HERBS ON GROWTH PERFORMANCE AND INTESTINAL STRUCTURE OF BROILER CHICKENS**, Sylwia SZYMANCZYK, Radosław P. RADZKI, Marek BIENKO, Damian KROPISZ, Joanna WOLSKA, Dariusz WOLSKI

- P 525 EFFECT OF ALTRENOGEST ON DEVELOPMENT OF OVARIAN FOLLICLES IN PREPUBERTAL AND MATURE GILTS**, Adam J. ZIECIK, Jan KLOS, Katarzyna GROMADZKA-HLIWA, Patrycja WITEK, Klaudia DRZEWIECKA, Katarzyna KNAPCZYK-STWORA
- P 526 CHARACTERIZATION OF THE CALVING INTERVAL IN THE MERTOLENGA BREED, THE INFLUENCE OF THE COMMON AGRICULTURAL POLICY BETWEEN 1986 AND 2012**, Luis SANTA MARIA, José PAIS, Nuno HENRIQUES
- P 527 THE EFFECT OF APPLIED CROSSBREEDING ON INCREASING OF MILK PRODUCTION IN GOATS**, Pascal CONSTANTIN, NECHIFOR Ionică, Costică CRISTIAN
- P 528 VARIANTS OF MTDNA COXII GENE IN PIGS OF DIFFERENT BREEDS**, Maria KOLOSOVA, Lyubov GETMANTSEVA, Neckruz BAKOEV, Anatoly KOLOSOV
- P 529 NITROGEN USE EFFICIENCY IN DAIRY CATTLE**, Bojan STOJANOVIĆ, Goran GRUBIĆ, Nenad ĐORĐEVIĆ, Aleksa BOŽIČKOVIĆ, Vesna DAVIDOVIĆ
- P 530 THE INFLUENCE OF FORAGER BEES NUTRITION WITH DIFFERENT POLLENS ON THE DEVELOPMENT OF HYPOPHARYNGEAL GLANDS**, Goran JEVTIĆ, Bojan ANDELKOVIĆ, Snežana ANDELKOVIĆ, Snežana BABIĆ, Dragoslav ĐOKIĆ, Kazimir MATOVIĆ, Nebojša NEDIĆ
- P 531 THE CHARACTERISTICS AND POSSIBILITIES OF BEEKEEPING PRODUCTION IN THE REPUBLIC OF SERBIA**, Nebojša NEDIĆ, Kazimir MATOVIĆ, Goran JEVTIĆ, Goran MIRJANIĆ
- P 532 THE EFFECT OF THE ORIGIN OF THE QUEEN BEES AND THEIR INTERACTION WITH SURROUNDINGS ON THE DEGREE OF VARROA INFESTATION OF A BEE COLONY**, Nebojša NEDIĆ, Denis VOJT
- P 533 CURRENT STATUS OF COMMON SWINE PNEUMONIA CASES IN SERBIA: MORPHOLOGICAL FEATURES**, Sanja ALEKSIC-KOVACEVIC, Darko MARINKOVIC, Vladimir KUKOLJ, Sladjan NESIC, Milan ANICIC, Ivana VUCICEVIC
- P 534 CHARACTERISTICS OF LOW FAT YOGURT**, Snežana JOVANOVIĆ, Tanja VUCIĆ, Marija JEFTIĆ
- P 535 EFFECTS OF GENOTYPE AND SEX ON PRODUCTIVE PERFORMANCE AND CARCASS CHARACTERISTICS OF BROILER CHICKENS**, Jozef BUJKO, Cyril HRNČÁR, Emília HANUSOVÁ, Jiřina ZEMANOVA
- P 536 EVALUATION OF LACTOSE, MILK PRODUCTION, SOMATIC CELLS COUNT AND CALVING INTERVAL IN SELECTED FARMING CONDITIONS OF THE SLOVAK SPOTTED DAIRY COWS**, Jozef BUJKO, Juraj CANDRÁK, Peter STRAPÁK, Július ŽITNÝ, Cyril HRNČÁR
- P 537 COMPARISON OF THE VEAL QUALITY AND CARCASS VALUE UNDER TWO FEEDING CONCEPTS**, Klára VAVRIŠINOVÁ, Katarína HOZÁKOVÁ, Ondřej BUČKO, Jana TKÁČOVÁ, Peter JUHÁS, Anna TRAKOVICKÁ
- P 538 EFFECT OF LACTATION STAGE ON THE CONCENTRATION OF SELECTED ESSENTIAL AND TOXIC ELEMENTS IN MILK OF SHEEPS FROM AREA OF SLOVAKIA WITH SLIGHTLY DISTURBED ENVIRONMENT**, Martina PŠENKOVÁ, Róbert TOMAN, Vladimír TANČIN
- P 539 THE DIFFERENCES IN MACROMINERAL PROFILES IN WINE BY-PRODUCTS FROM SLOVAKIA AND AUSTRIA**, Ondrej HANUŠOVSKÝ, Branislav GÁLIK, Daniel BÍRO, Milan ŠIMKO, Miroslav JURÁČEK, Michal ROLINEC, Renata KOLLÁTHOVÁ, Christian PHILIPP, Reinhard PUNTIGAM, Julia Andrea SLAMA, Martin GIERUS
- P 540 RELATION BETWEEN THE FREE SALIVA TESTOSTERONE LEVELS AND BEHAVIOR IN NEW ROOM IN THE PIGLETS UNDER STRESS**, Peter JUHÁS, Juraj PETRÁK, Andrea LEHOTAYOVÁ, Klára VAVRIŠINOVÁ, Katarína HOZÁKOVÁ, Ondrej DEBRECENI
- P 541 HAPLOTYPE BLOCK STRUCTURE IN THE GENOME OF SLOVAK PINZGAU CATTLE**, Radovan KASARDA, Nina MORAVČIKOVÁ, Kristína LEHOČKÁ, Barbora OLSÁNSKA, Ján PRIŠTÁK, Anna TRAKOVICKÁ, Ondrej KADLEČÍK
- P 542 MICROELEMENT PROFILE ANALYSIS OF GRAPE BY-PRODUCTS FROM SLOVAKIA AND AUSTRIA**, Renata KOLLÁTHOVÁ, Ondrej HANUŠOVSKÝ, Branislav GÁLIK, Daniel BÍRO, Milan ŠIMKO, Miroslav JURÁČEK, Michal ROLINEC, R. PUNTIGAM, J.A. SLAMA, Martin GIERUS
- P 543 PRESENCE OF CAPILLARIA SPP. IN WILD RAPTORS FROM CATALONIA**, Pere M. PARÉS-CASANOVA, Gustavo RAMÍREZ, Ester BARÓ, Antonella TOLIC
- P 544 PHENOLIC SUBSTANCE PROFILE OF PROPOLIS IN TURKEY**, Olgay Kaan TEKİN, Sibel SİLİCİ

- P 545** **LOW LEVEL OF DEVELOPMENTAL INSTABILITY IN CAPTIVE YELLOW-BELLIED SLIDER TURTLES (*TRACHEMYS SCRIPTA SCRIPTA*) (SCHOEPPF 1792)**, Pere M. PARÉS-CASANOVA, Jordi ARDIACA, Albert MARTÍNEZ-SILVESTRE, Antonella TOLIC
- P 546** **FRACTURES AMONG EURASIAN WOODCOCK (*SCOLOPAX RUSTICOLA*) (LINNAEUS, 1758)**, Pere M. PARÉS-CASANOVA, Júlia ARDANUY, Antonella TOLIC
- P 547** **THE BEHAVIOR OF BROWN SHRIMP (*FARFANTEPENAEUS AZTECUS*) LARVAE IN THE GULF OF ANTALYA**, Mehmet GOKOGLU, Bülent TOKTAS, Serkan TEKER
- P 548** **IMPORTANCE OF ANTIMELANOTIC AGENTS IN SHRIMP INDUSTRY**, Nalan GOKOGLU
- P 549** **USE OF ASCORBIC ACID TO DELAY MELANOSIS AND MAINTAIN QUALITY IN SHRIMP (*MELICERTUS HATHOR*)**, Nalan GOKOGLU, Bulent TOKTAS
- P 550** **EFFECT OF DIFFERENT NITROGEN FERTILIZER APPLICATION LEVELS ON YIELD AND QUALITY OF THE GREEN FODDER *TRICHANTHERA GIGANTEA***, Tu Quang HIEN, Tu Trung KIEN, Mai Anh KHOA, Tran Thi HOAN, Tu Quang TRUNG
- P 551** **EFFECT OF CUTTING INTERVALS ON YIELD AND QUALITY OF THE GREEN FODDER *TRICHANTHERA GIGANTEA***, Tu Trung KIEN, Mai Anh KHOA, Tran Thi HOAN, Tu Quang HIEN
- P 552** **ECONOMIC DEVELOPMENT IN THE CONTEXT OF ENVIRONMENTAL PROTECTION OF AQUACULTURE PRODUCTION IN PROTECTED COASTAL AREAS: THE CASE OF XUAN THUY NATIONAL PARK, VIETNAM**, Thi Trang NHUNG NGUYEN, Huu CUONG TRAN, Thi Minh HOP HO, Philippe LEBAILLY
- P 553** **IDENTIFICATION OF SNPS ASSOCIATED WITH LITTER TRAITS OF PIG**, Lyubov GETMANTSEVA, Siroj BAKOEV, Neckruz BAKOEV
- P 554** **IDENTIFICATION OF PARASITIC SPECIES AFFECTING THE RABBIT RAISED UNDER DIFFERENT BREEDING CONDITIONS: STUDY OF INTESTINAL PARASITES**, DALI, A., Daoudi ZERROUKI NACIRA, AISSIOUENE, R., MEDANI, T.
- P 555** **HEMATOLOGICAL AND SERUM BIOCHEMICAL PROFILE IN EAST BALKAN PIGS AT DIFFERENT AGE AND SEASONS**, Nadezhda PALOVA, Yordan MARCHEV, Radka NEDEVA, Jivko NAKEV, Dimitrinka KRUSHEVA, Todor SLAVOV, Ivelina NEDEVA, Teodora POPOVA
- P 556** **IMPACT OF TEMPERATURE-HUMIDITY INDEX (THI) ON THE EGG WEIGHT OF HYBRID „HISEX BROWN“ LAYING HENS**, Bratislav PEŠIĆ, Nebojša ZLATKOVIĆ, Nikola STOLIĆ, Ivana ZLATKOVIĆ
- P 557** **PRELIMINARY RESULTS ON CHROMIUM (Cr) CONCENTRATION IN WILD FISH TISSUES IN VARDAR RIVER, NORTH MACEDONIA**, Lulzim SHAQIRI, Jani MAVROMATI
- P 558** **COMBINED HORMONAL AND MEDICINAL TREATMENT OF PUERPERAL METRITIS IN COWS**, Klajdi NALLBANI, Jani MAVROMATI, Luigj TURMALAJ
- P 559** **THE BREEDING CARD FOR FALCONS**, Elena SHOMINA, Alexander SHOMIN
- P 560** **SNP c.3469 T>C OF LEPTIN GENE AND ITS ASSOCIATION WITH REPRODUCTIVE TRAITS IN RUSSIAN LANDRACE AND LARGE WHITE BREED PIGS**, Lyubov GETMANTSEVA, Varvara SHEVTSOVA, Olga KOSTYUNINA, Alexander USATOV, Nekruz BAKOEV
- P 561** **EVALUATION OF THE BUY-BACK PROGRAMME FOR FISHING VESSELS OVER THIRTY METERS IN TURKEY**, Esra Erikçi BİLGİN, Serpil YILMAZ
- P 562** **ROLE OF VITELLOGEN ON HONEYBEES**, Gülden AYZAZ BAYKAL, Hayriye Bengisu ELLİBES
- P 563** **DETERMINATION OF MACRO FAUNA USING A WATER INTAKE UNIT OF A MARINE AQUARIUM AS A REEF IN THE GULF OF ANTALYA**, Kemal GOKOGLU, Mete KUSAT
- P 564** **HISTOPATHOLOGICAL AND MICROBIOLOGICAL EVALUATION OF UTERUS IN REPEAT BREEDER COWS SHIPPED TO SLAUGHTERHOUSE**, Yunus ÇAKICI, Mehmet AKÖZ
- P 565** **REFORMS IN EU AQUACULTURE POLICIES AND THE IMPACT OF THESE REFORMS ON TURKISH AQUACULTURE SECTOR**, Simge Atagül ÖZTÜRK, Serpil YILMAZ
- P 566** **COMPARATIVE STUDY OF SOME ANESTHETICS PROTOCOLS IN THE SURGICAL TREATMENT OF STOMACH PATHOLOGIES**, Elta HASA, Erinda LIKA, Paskal GJINO

RURAL DEVELOPMENT AND AGRO-ECONOMY

Conference Hall D (Hotel Termag)

Friday, (October 4th, 2019), 18:00 - 18:30

Working committee

Chairpersons: Hamid EL BILALI, Adriano CIANI, Nebojsa NOVKOVIC

- P 567 SOCIO-PROFESSIONAL IMPORTANCE AND TECHNICAL-ECONOMIC INDICATORS OF GREENHOUSE CROPS IN THE BISKRA REGION (ALGERIA)**, Toufik AIDAT, Salah Eddine BENZIOUCHE
- P 568 FACTORS DETERMINING ADOPTION OF IRRIGATION TECHNOLOGIES BY FARMERS IN WESTERN MITIDJA, ALGERIA**, Samir BELAIDI, Foued CHEHAT
- P 569 SEROPREVALENCE OF PESTIVIROSIS IN SHEEP IN THE REGION OF KSAR AL BOUKHARI (ALGERIA)**, Naouel FEKNOUS, Hamza KHALED, Abdallah BOUYOUCF
- P 570 ALGERIA PLACE ON THE WORLD OLIVE MARKET**, Leila ATTALLAQUI, Salah Eddine BENZIOUCHE
- P 571 THE CONTRIBUTION OF MICROFINANCE TO THE RESILIENCE STRATEGIES OF SMALLHOLDER TEA FARMERS IN BURUNDI**, Pierre Claver BITAMA, Philippe LEBAILLY, Patrice NDIMANYA, Emery Gaspard SABUHUNGU, Philippe BURNY
- P 572 MONITORING AND EVALUATION SYSTEM IN AGRICULTURAL ADVISORY SERVICE**, Gordana ROKVIĆ, Danijela ČIČIĆ ALJETIĆ
- P 573 THE SYMBIOSIS OF MODERN ICTs AND MARKETING STRATEGIES IN AGRICULTURE**, Mirjana MAKSIMOVIĆ, Zvezdana GAVRILOVIĆ
- P 574 PREDICTION OF SUNFLOWER PRODUCTION IN THE ENTITY OF REPUBLIC OF SRPSKA (BOSNIA AND HERZEGOVINA) UNTIL 2022**, Miroslav NEDELJKOVIĆ
- P 575 VITALITY OF EDUCATION ORGANIZATIONS IN QALIUBIYA RURAL AREAS, CASE STUDY IN SHEBIN DISTRICT, EGYPT**, Mazen MOHAMED BARAKAT
- P 576 PERCEPTION OF ESSENTIAL OIL OF YOUNG POPULATION IN ANGERS, FRANCE: CASE OF CARDAMOM AND TURMERIC IN FUNCTION OF DIFFERENT MARKETS**, Hannah KONATE, Pauline BIDAULT, Romane VANET, Charlotte CARE, Ludovic ANDRES, Daniel KALNIN
- P 577 WHY INVEST ON INNOVATIVE PRODUCTION? A QUALITATIVE EVALUATION OF THE EMERGING AVOCADO SECTOR IN CRETE, GREECE**, Athanasios RAGKOS, Georgia PAPOUTSI, Magdanili BARDOUNIOTI
- P 578 CHANGES OF THE CULTURAL LANDSCAPE ON HAJDÚHÁT (HUNGARY)- FROM AGRICULTURAL LANDSCAPE TO THE MONOCULTURE**, László MÁRTA, Szabolcs BALOGH, Tibor József NOVÁK
- P 579 ADOPTION OF WATER AND SOIL CONSERVATION PRACTICES: THEORETICAL FRAMEWORKS AND ATTITUDINAL COMPONENTS**, Amirali FARIDI, Mohammad KAVOOSI KALASHAMI, Hamid EL BILALI
- P 580 UNIVERSITY STUDENTS' ATTITUDES, PERCEPTION AND KNOWLEDGE TOWARDS RENEWABLE ENERGY USAGE IN THE AGRICULTURAL SECTOR IN IRAN**, Mohammad SADEGH ALLAHYARI, Hadi FAZELI, Saeed FIROUZI
- P 581 IMPLEMENTATION OF THE SUSTAINABLE DEVELOPMENT GOALS IN THE MEDITERRANEAN: INSTITUTIONAL AND GOVERNANCE ARRANGEMENTS**, Hamid EL BILALI, Gianluigi CARDONE, Giovanni OTTOMANO PALMISANO, Francesco BOTTALICO, Roberto CAPONE
- P 582 CONTRIBUTION OF GRASSROOTS INITIATIVES TO SUSTAINABLE URBAN FOOD SYSTEMS: THE CASE OF A CAMPUS GARDEN IN MUENSTER, GERMANY**, Janina WITTENBERG, Hamid EL BILALI, Carola STRASSNER
- P 583 MEAT QUALITY AS A FACTOR INCREASING THE COMPETITIVENESS OF DEER FARMING**, Liga PRÖSKINA, Irina PILVERE, Sallija CERINA

- P 584 OPPORTUNITIES TO USE SAPROPEL FERTILISER IN ORGANIC FARMING**, Sallija CERINA, Livija ZARINA, Liga PROSKINA
- P 585 APPLICATION OF WINE MARKETING MIX IN MONTENEGRO**, Nataša PEROVIĆ, Bojana RISTANOVIC
- P 586 AGRIBUSINESSES AND RURAL DEVELOPMENT: STATISTICAL EVIDENCES OF POTENTIALS TO GROW NIGERIAN ECONOMY**, Cornelius Michael EKENTA, Eugenia Chika AKPA, Odekina Menyaga UMAR
- P 587 TOWARDS SUSTAINABLE RURAL ENTERPRISES : ADOPTION STUDY OF INTEGRATED AQUACULTURAL TECHNOLOGIES AMONG FISH FARMERS IN OSUN STATE , NIGERIA**, Emmanuel BAMIGBOYE, Lateef OLA
- P 588 EFFECTIVENESS OF COMMERCIAL AGRICULTURAL DEVELOPMENT (YCAD) PROGRAMME AMONG RURAL YOUTH IN EKITI STATE, NIGERIA**, Olajide Julius FILUSTI, Julius Olatunde AYINDE
- P 589 EFFECTIVENESS OF INDIGENOUS KNOWLEDGE ON CONTROL PRACTICES OF SHEEP AND GOAT DISEASES AND PEST AMONG FARMERS IN IKOLE EKITI, EKITI STATE, NIGERIA**, Sunday Idowu OGUNJIMI, Oluwabunmi Hope OLU-AJAYI, Olajumoke Olanrewaju ALABI, Chinewe Mariam EGBUNONU
- P 590 CONSUMERS' WILLINGNESS TO PAY FOR PESTICIDES FREE APPLE IN DISTRICT SWAT KHYBER PAKHTUNKHWA**, Irfan ULLAH, Fayaz AHMAD
- P 591 FARMERS' PERCEPTION ABOUT RESPONSES TO AGRICULTURAL RISKS IN PARACHINAR, KURRAM AGENCY**, Ansar HUSSAIN, Irfan ULLAH, Raza ULLAH
- P 592 SMART RURAL ENTREPRENEURSHIP – AN EUROPEAN PERSPECTIVE**, Anna KRAKOWIAK-BAL, Urszula ZIEMIAŃCZYK
- P 593 CREATING SUSTAINABLE DEVELOPMENT OF RURAL AREAS**, Krystyna KUROWSKA, Cezary KOWALCZYK, Hubert KRYSZK
- P 594 ANALYSIS OF CHANGES IN RURAL AREA AS A RESULT OF CITY BYPASS CONSTRUCTION**, Jacek KIL, Krystyna KUROWSKA
- P 595 CREATING SUSTAINABLE DEVELOPMENT OF RURAL AREAS**, Krystyna AKUROWSKA, Cezary KOWALCZYK, Hubert KRYSZK
- P 596 PROBLEMS OF THE AGING OF THE FARMERS' POPULATION IN SMALL FARMS IN POLAND**, Łukasz SATOŁA
- P 597 CONSUMER BEHAVIOUR AT THE LOCAL FOOD MARKET**, Marta CZEKAJ, Dawid BEDLA
- P 598 SALE AND LEASE OF AGRICULTURAL LAND FROM THE AGRICULTURAL PROPERTY STOCK OF THE STATE TREASURY IN POLAND**, Renata MARKS-BIELSKA
- P 599 FINANCING NON-AGRICULTURAL ACTIVITIES IN THE RURAL REGIONS OF ROMANIA. A REAL SOLUTION FOR RURAL DEVELOPMENT AT THE BEGINNING OF THE SECOND DECADE OF EU MEMBERSHIP?**, Aurelia-Ioana CHEREJI, Ioan Jr. CHEREJI, Daniela TUȚUI
- P 600 CONSUMERS' PREFERENCE AND ATTITUDE REGARDING ONLINE FOODS IN CAHUL, MOLDOVA**, Dimitrie STOICA, Maricica STOICA, Valentin Marian ANTOHI, Monica Laura ZLATI, Gheorghina CASIANU
- P 601 COW MILK ROUTE FROM ROMANIAN DAIRY FARMS TO MARKET**, Irina-Adriana CHIURCIU, Elena SOARE
- P 602 ASPECTS REGARDING THE PRODUCTION AND MARKETING OF APRICOTS IN ROMANIA DURING 2012-2017**, Elena SOARE, Irina Adriana CHIURCIU
- P 603 DIGITALIZATION ECONOMY OF AGRICULTURE OF RUSSIA: AN EXPLORATORY SURVEY**, Alexander AGIBALOV, Ludmila ZAPOROZHTEVA, Srdjan LALIC
- P 604 PERSONNEL POTENTIAL AND ITS ROLE IN THE SUSTAINABLE DEVELOPMENT OF RURAL AREAS**, Marat GALEEV, Oksana FOTINA, Sinisa BERJAN
- P 605 THE OPERATIVE PROFIT MARGIN IN RETAIL FOOD**, Radojko LUKIC, Srdjan LALIC

- P 606 RISK ANALYSIS IN THE PEASANT FRAMEWORK RURALWOMEN FARMERS IN RWANDA**, Agnes UWAMAHO
- P 607 LEVEL OF KNOWLEDGE OF EEXTENSION PPERSONNEL IN THE KINGDOM OF SAUDI ARABIA ON GLOBAL GOOD AGRICULTURAL PRACTICES**, Bander ALSAGHAN, Hamed ELMARZOUQY, Abdullah ALSOUBAIE, Mohammad ALEYAYDI
- P 608 ECONOMIC ASPECTS OF HAZELNUT PRODUCTION IN REPUBLIC OF SERBIA**, Aleksandar MILJATOVIĆ, Veljko VUKOJE
- P 609 ANALYSIS AND PREDICTION OF APPLE PRODUCTION IN REPUBLIC OF SERBIA AND BOSNIA AND HERZEGOVINA**, Dubravka UŽAR, Dragana TEKIĆ, Beba MUTAVDŽIĆ
- P 610 AN ANALYSIS OF THE CURRENT SITUATION OF SEED SECTOR IN TURKEY**, Nilgün GÜMÜŞAY
- P 611 RISK ANALYSIS IN THE PEASANT FRAMEWORK: EMPIRICAL ANALYSIS OF FARMERS IN SOUTH KIVU, DEMOCRATIC REPUBLIC OF CONGO**, Fidèle MULUMODERHWA, Aristide MANIRIHO, Dimas MANIRAKIZA, Germaine FURAHA, Jean Luc MASTAKI, Philippe LEBAILLY
- P 612 FAMILY AGRICULTURE AND THE IMPORTANCE OF AGRICULTURAL PRODUCT CENTERS FOR AGRICULTURAL AND ORGANIC PRODUCTS**, Suélen Cristina MAZZARDO, Patricia ROCKENBACH
- P 613 CHANGING CROPPING PATTERNS AND IRRIGATION PRACTICES: IMPLICATIONS FOR SUSTAINABLE GROWTH OF AGRICULTURE IN WEST BENGAL, INDIA**, Amartya PANI, Pulak MISHRA
- P 614 ROLE OF IMPROVED PRODUCTION TECHNOLOGIES IN ENHANCING FARMERS PRODUCTIVITY IN OILSEED BRASSICAS IN INDO-GANGETIC PLAINS OF INDIA**, Kartikeya SRIVASTAVA
- P 615 ASSESSMENT ON PERFORMANCE OF PARTNERSHIP EXTENSION MODELS IMPLEMENTED IN TEA SMALLHOLDING SECTOR IN SRI LANKA**, Dilip JAYASINGHE, Lalith AMARATHUNGA, Padmasiri WANIGASUNDERA, Yasantha MAPATUNA, Supun THALAGODA
- P 616 LIVELIHOOD DIVERSIFICATION IN THE CONTEXT OF CLIMATE CHANGE: EVIDENCE FROM FARM HOUSEHOLDS IN SOUTH-EAST TUNISIA**, Fatma ARIBI, Mondher FETOUI, Mongi SGHAIER
- P 617 THE TUNISIAN CITRUS SECTOR: EXPORT PERFORMANCES**, Lamia ARFA, Mehdi BEN MIMOUN
- P 618 ECONOMIC VIABILITY OF INTERCROPPED FARMS IN DAK LAK PROVINCE, CENTRAL HIGHLANDS, VIETNAM**, Phan Thi THUY, Le Duc NIEM, Philippe LEBAILLY
- P 619 THE ROLE OF AGRICULTURAL EXTENSION TOWARDS FACING CLIMATE CHANGE IN AI-GHARBIA GOVERNORATE, EGYPT**, Esam Mohamed EL-BAALY, Manal Mohamed EL-KHADRAGY
- P 620 ATTITUDE OF AGRICULTURAL EXTENSION AGENTS ABOUT ELECTRONIC AGRICULTURAL EXTENSION IN AI-GHARBIA GOVERNORATE, EGYPT**, Esam Mohamed EL-BAALY
- P 621 RURAL WOMEN NEEDS ABOUT EXTENSION KNOWLEDGE REGARDING CLIMATE CHANGE PHENOMENON IN AI-GHARBIA GOVERNORATE, EGYPT**, Esam Mohamed EL-BAALY, Fatma Mostafa SAAD
- P 622 THE ECONOMIC AND SOCIAL EFFECTS OF LIGHTING DEVELOPMENT IN THE FIELD OF FISHING ON THE PRODUCTIVITY OF FISH WEALTH IN THE GAZA STRIP**, Doaa HUSSEIN, Mohammed HUSSEIN
- P 623 AGRICULTURAL TRAINING CHALLENGES FACED BY SMALLHOLDER FARMERS IN THE AMATHOLE DISTRICT, EASTERN CAPE IN SOUTH AFRICA**, Phokele MAPONYA, Sonja Louise VENTER, Christiaan Philippus DU PLOOY, Michael Wolday BAIRU, Erika VAN DEN HEEVER
- P 624 INTERFERENCE OF CLIMATIC CHANGES OVER THE GRAIN PRODUCTION FORECASTING IN BRAZILIAN SEMIARID REGION**, José de Jesus Sousa LEMOS, Filomena Nádia Rodrigues BEZERRA
- P 625 BIOECONOMIC POTENTIAL EVALUATION OF BULGARIAN REGIONS**, Vassil STOYCHEV, Daniela TSVYATKOVA, Bozhidar IVANOV

- P 626 GREEN TECHNOLOGIES FOR THE EXTRACTION OF BIOACTIVE PHENOLICS FROM WINERY BY-PRODUCTS**, Carla DA PORTO, SCALET, M., NATOLINO, A.
- P 627 INNOVATIVE LEARNING ARRANGEMENTS FOR RURAL AREA DEVELOPMENT**, Urszula ZIEMIAŃCZYK, Anna KRAKOWIAK-BAL, Magdalena KOWALSKA, Łukasz SATOŁA, Julia GORZELANY
- P 628 THE INFLUENCE OF PRODUCTION IN THE PREVIOUS YEAR ON SOWING AREA IN THE NEXT YEAR REGARDING PRODUCTION OF INDUSTRIAL CROPS IN SERBIA**, Beba MUTAVDŽIĆ, Tihomir NOVAKOVIĆ, Dragana TEKIĆ
- P 629 RISK AS AN ELEMENT OF MICROECONOMIC ANALYSIS OF AGRICULTURAL ENTERPRISES IN SERBIA**, Nikola NJEGOVAN, Janko VESELINOVIĆ, Tihomir NOVAKOVIĆ
- P 630 DEVELOPMENT PROCESS AND AGRICULTURAL LABOR**, Merve BOZDEMIR

Conference Hall H (Hotel Termag - Koliba)

Friday, (October 4th, 2019), 12:30 - 13:00

Working committee

Chairpersons: Artur RUTKIEWICZ, Srdjan LJUBOJEVIC, Marko GUTALJ

- P 631 NATIONAL PARK OF BABORS NORTH EAST OF ALGERIA (POLLUTION AND PRESERVATION)**, Nacer DJIRAR, L. TEDJAR, A. DJIRAR
- P 632 INFLUENCE OF CLIMATIC DISTURBANCES ON THE APPEARANCE OF ALLENIAUTIQUE GROWTH RECORDS OF ALEPPO PINE IN THE SOUTHERN MEDITERRANEAN**, Mohammed BELLIFA, Kada BENCHERIF
- P 633 FLAMMABILITY OF CERTAIN CONIFERS AND OAK SPECIES OF NORTH WEST ALGERIA**, Yacine BENHALIMA, DEHANE BELKHEIR
- P 634 PHYSICO-CHEMICAL AND MICROBIOLOGICAL CHARACTERIZATION OF ALEPPO PINE (*PINUS HALEPENSIS* MILL) FOREST LITTER IN SEMI-ARID AND ARID ZONES OF WESTERN ALGERIA**, Zouidi MOHAMED, Borsali AMINE HABIB, Allam AYOUB, Farnet ANNE-MARIE, Gros RAPHAEL
- P 635 HETEROBASIDIUM SPP. ASSOCIATED WITH THE DIE-BACK OF NORWAY SPRUCE IN BOSNIA AND HERZEGOVINA**, Stefan BOJIC, Predrag PAP, Boban MILETIC, Milica ZLATKOVIC
- P 636 ANALYSIS OF ROAD NETWORK DENSITY AND MEAN SKIDDING DISTANCE IN FOREST MANAGEMENT UNIT "MEŠTREVAC" USING MODERN TECHNIQUES AND METHODS**, Boban MILETIC, Dušan STOJNIC, Branislav DRAŠKOVIC, Anatoly VASILYEVICH GRYZAKIN, Marko GUTALJ, Stefan BOJIC
- P 637 THE INFLUENCE OF GROWTH RING WIDTH ON WOOD DENSITY OF SERBIAN SPRUCE (*PICEA OMORIKA* (PANCIC)PURKYNE)**, Danijela PETROVIC, Vojislav DUKIC
- P 638 MORPHOLOGICAL TRAITS OF COMMON BEECH (*FAGUS SYLVATICA* L.) IN INTERNATIONAL PROVENANCE TEST**, Mirzeta MEMISEVIC HODZIC, Dalibor BALLIAN
- P 639 BIOINDICATION OF VITALITY ON THE BASIS OF DIAMETER INCREMENT OF EUROPEAN SILVER FIR (*ABIES ALBA* MILL.) ON THE MOUNTAIN BORJA**, Goran JOVIC, Vojislav DUKIC, Branko STAJIC, Danijela PETROVIC
- P 640 GENETIC RESOURCES OF THE SPECIES OF GENERA *TILIA* AND *ULMUS* IN BULGARIA**, Petar ZHELEV, Dimiter IVANOV, Ina ANEVA
- P 641 VALORISATION OF FOREST WOOD PRODUCTS OF THE BLACK LOCUST (*ROBINIA PSEUDOACACIA* L.)**, Mihaela HORACEK, Veronika IVANCEVIC, Zeljko ZECIC, Dinko VUSIC
- P 642 THE EFFECT OF THINNING ON THE DEVELOPMENT OF SILVER BIRCH STANDS: ABOVEGROUND BIOMASS, LEAF AND FINE ROOT CHARACTERISTICS**, Kristiina AUN, Jürgen AOSAAR, Mats VARIK, Hardo BECKER, Mikko BUHT, Veiko URI
- P 643 THE FRACTIONAL DISTRIBUTION AND PRELIMINARY MODELS OF ABOVE-GROUND BIOMASS AND STEMWOOD DENSITY OF BIRCH IN ESTONIA**, Mikko BUHT, Jürgen AOSAAR, Mats VARIK, Hardo BECKER, Ants NOKKUR, Kristiina AUN, Laura PIHLAK, Marek URI, Mai KUKUMÄGI, Veiko URI
- P 644 VASCULAR PLANT DIVERSITY AS A VALUABLE TOOL FOR THE ECOLOGICAL AND CULTURAL PROJECTION OF THE NATIONAL PARKS IN GREECE**, Alexandra D. SOLOMOU, George KARETSOS, Panayiotis TRIGAS, Nikolaos PROUTSOS, Evangelia V. AVRAMIDOU, Evangelia KORAKAKI, Konstantinos KOUGIOUMOUTZIS, Konstantinia TSAGKARI
- P 645 RESTORATION, MANAGEMENT AND VALORISATION OF PRIORITY HABITATS OF MEDITERRANEAN COASTAL AREAS**, Alexandra D. SOLOMOU, Christos GEORGIADIS, Vito E. CAMBRIA, George KARETSOS, Evangelia KORAKAKI, Panagiotis KOULELIS, Evangelia D. AVRAMIDOU, Konstantinia TSAGARI, Panagiotis MICHPOULOS, Luca SCARNATI, Fabio ATTORRE, Eferpi PATETSINI
- P 646 THE RED FOX AS A "ONE HEALTH" CHALLENGE IN THE PERIURBAN MATRIX**, Ágnes CSIVINCSIK, Zsuzsanna RÓNAI, Rita GARAMVÖLGYI, Gábor NAGY, Melinda KOVACS

- P 647 EXPERIMENTAL ACTIONS WITH THE EDUCATORS IN THE FOREST, AN INNOVATIVE PROJECT**, Panagiotis KOULELIS, Evangelia AVRAMIDOU, Kostas IOANNIDIS, Evangelia KORAKAKI, Nikolaos PANGAS, Panagiotis PETRAKIS, Alexandra SOLOMOU, Evangelia DASKALAKOU
- P 648 SILVI-MEDICINAL SYSTEM FOR CLIMATE SMART AGRICULTURE**, A. Madhavi LATA, M. Srinivasa RAJU
- P 649 INVESTIGATION OF EFFECTIVE FACTORS ON SUCCESS RATE OF NATURAL RESOURCES COOPERATIVES IN WEST AZARBAYJAN PROVINCE, IRAN**, Ghazale AMINDOOST, Abbas BANJ SHAFIEI, Ahmad ALIJANPOUR
- P 650 EFFECT OF FIRE ON SOME PHYSICOCHEMICAL PROPERTIES OF FOREST SOILS DYNAMICS, NW IRAN**, Parinaz SALEHI, Abbas BANJ SHAFIEI, Khaled KHEZRI
- P 651 USING MULTI-CRITERIA DECISION-MAKING METHOD AND VISIBILITY ANALYSIS BASED APPROACH IN LOCATING FIRE LOOKOUT TOWERS, SARDASHT FORESTS, NW IRAN**, Tayebe AMIRI, Abbas BANJ SHAFIEI, Mahdi ERFANIAN, Omid HOSSEINZADEH, Hadi BEYGI HEIDARLOU
- P 652 CONSEQUENCE OF FOREST PROTECTION MANAGEMENT (STUDY AREA: ARASBARAN BIOSPHERE RESERVE IN NORTHWEST IRAN)**, Samira SASANIFAR, Ahmad ALIJANPOUR, Abbas BANJ SHAFIEI, Javad ESHAGHI RAD, Morteza MOLAEI
- P 653 VARIATIONS OF HERB LAYER DIVERSITY IN RELATION TO FOREST MANAGEMENT IN TEMPERATE MIXED FORESTS OF IRAN**, Javad ESHAGHIRAD, Ameneh KHANALIZADEH, Werner RAMMER, Yoan PAILLET, Ghavamodin ZAHEDIAMIRI, Habib ZARE, Manfred J. LEXER
- P 654 MAJOR OAK PESTS OF LEBANON**, Zinette MOUSSA, Elia CHOU EI RI
- P 655 NATURAL HYBRIDIZATION AND FEATURES BETWEEN *ALNUS INCANA* (L.) MOENC. AND *ALNUS GLUTINOSA* (L.) GAERTN. IN LITHUANIA**, Girmantė JURKŠTIENĖ, Virgilijus BALIUČKAS
- P 656 THE LOCATION OF THE NORTHERN GLACIAL REFUGIUM OF SCOTS PINE BASED ON MITOCHONDRIAL DNA MARKERS**, Jurata BUCHOVSKA
- P 657 SOCIO-ECONOMIC CONTRIBUTIONS OF FOREST RESOURCES TO LIVELIHOODS IN ALIMOSHO LOCAL GOVERNMENT AREA OF LAGOS STATE**, Akinyode Timothy OLAWUMI, Oluwole Sikiru BANJO
- P 658 SOCIO-ECONOMIC SURVEY OF FOREST FOODS IN AFIJIO LOCAL GOVERNMENT AREA OF OYO STATE, NIGERIA**, Oluwole Sikiru BANJO, Akinyode Timothy OLAWUMI
- P 659 THE STRUCTURE AND SEASONAL DYNAMICS OF DUNG BEETLE COMMUNITIES IN EARLY DEVELOPMENTAL STAGES OF PINE STANDS IN NW POLAND**, Adam BYK, Tomasz MOKRZYCKI, Artur RUTKIEWICZ
- P 660 TRENDS IN THE LENGTH OF THE THERMAL GROWING SEASON IN THE NORTH POLAND**, Longina CHOJNACKA-OŻGA, Wojciech OŻGA
- P 661 HURRICANE WINDS IN 2017 – THE GREATEST NATURAL DISASTER FOR THE POLISH FORESTS IN HISTORY**, Longina CHOJNACKA-OŻGA, Wojciech OŻGA
- P 662 BENEFITS BROUGHT BY THE ABUNDANCE AND IMPORTANCE OF FOREST FRUITS FROM SATU MARE COUNTY, ROMANIA**, Ciprian TUDOR, Cristinel CONSTANDACHE, Lucian DINCĂ
- P 663 SPECIES COMPOSITION OF LIVING GROUND COVER ON ABANDONED AGRICULTURAL LAND IN THE SOUTHERN TAIGA ZONE**, NOVIKOVA, M.A., GRYAZKIN, A.V., GUTALJ, M.M., NOVIKOV, Y.A.
- P 664 REVEALING THE SPECIAL NATURE RESERVE "KOVILJ-PETROVARADIN MARSHES" CURRENT LAND USE OBTAINING A TERRAIN MODEL**, Albina TARJAN TOBOLKA, Zoran GALIĆ
- P 665 PLANNING THE SIZE OF SAMPLE PLOTS IN THE RESEARCH MACEDONIAN PINE STANDS IN THE STRICT NATURE RESERVATE "MALI BELEG"**, Aleksandar POPOVIĆ
- P 666 BREEDING OF NEW POPLAR CLONES FOR MULTIPURPOSE USES IN SERBIA: A REVIEW**, Andrej PILIPOVIĆ, Saša ORLOVIĆ, Predrag PAP, Milan DREKIĆ, Leopold POLJAKOVIĆ-PAJNİK, Saša PEKEĆ, Marina KATANIĆ, Vladislava GALOVIĆ, Zoran NOVČIĆ

- P 667** **CHLOROPHYLLA FLUORESCENCE TECHNIQUES IN DETECTION AND MONITORING OF SEVERE BIOTIC STRESS OF PEDUNCULATE OAK (*QUERCUS ROBUR* L.) CAUSED BY POWDERY MILDEW INFECTION**, Erna VASTAG, Saša ORLOVIĆ, Milica ZLATKOVIĆ, Lazar KESIĆ, Martina ZORIĆ, Mirjana BOJOVIĆ, Srđan STOJNIC
- P 668** **MORPHOLOGICAL VARIABILITY OF *QUERCUS ROBUR* L. LEAF IN NATIVE POPULATION**, Lazar KESIĆ, Saša ORLOVIĆ, Marina KATANIĆ, Erna VASTAG, Radoslav LOZJANIN, Aleksandar TEPAVAC, Srđan STOJNIC
- P 669** **APPLICATION OF MULTISPECTRAL SENSOR AND SMALL UNMANNED AERIAL SYSTEMS FOR EARLY DETECTION OF STRESS IN FOREST STANDS OF WESTERN SERBIA**, Nenad ŠURJANAC, Mara TABAKOVIĆ-TOŠIĆ, Marija MILOSAVLJEVIĆ, Filip JOVANOVIĆ
- P 670** **ECTOMYCORRHIZAL FUNGAL COMMUNITY IN YOUNG PEDUNCULATE OAK STAND**, Marina KATANIĆ, Saša ORLOVIĆ, Saša PEKEĆ, Andrej PILIPOVIĆ, Milan DREKIĆ, Lazar KESIĆ, Srđan STOJNIC
- P 671** **AN IMPROVEMENT OF FOREST ECOSYSTEM SERVICES IN NATIONAL PARK TARA**, Martina ZORIĆ, Ljubomir KLJAJIĆ, Igor ĐUKIĆ, Saša ORLOVIĆ, Ranko MILANOVIĆ
- P 672** **THE CYNIPID GALL WASPS FAUNA (HYMENOPTERA: CYNIPIDAE) ON SESSILE OAK IN THE NATIONAL PARK FRUŠKA GORA (SERBIA)**, Milan DREKIĆ, Leopold POLJAKOVIĆ-PAJNIK, Marina KATANIĆ, Andrej PILIPOVIĆ, Verica VASIĆ
- P 673** **PARASITOID COMPLEX OF *BRUCHIDIUS TERRENUS* IN BIOCONTROL OF FABACEAE HOST PLANTS AND ITS SPERMATOPHYTOGEOUS ENTOMOFAUNA**, Renata GAGIĆ-ŠERDAR, Ivana ŽIVANOVIĆ, Tomislav STEFANOVIĆ, Branka SPASOJEVIĆ, Natalija MOMIROVIĆ, Zoran PODUSKA, Ljubinko RAKONJAC
- P 674** **TREE-RING GROWTH AND ISOTOPE RESPONSE TO CLIMATE CONDITIONS IN TWO OAK SPECIES FROM THE SAME STAND**, Saša KOSTIĆ, Tom LEVANIĆ, Dejan B. STOJANOVIĆ, Bratislav MATOVIĆ, Saša ORLOVIĆ
- P 675** **THE VARIABILITY OF ANATOMICAL STRUCTURE OF THE LEAF AND GROWTH PARAMETERS OF POPLAR CLONES**, Saša ORLOVIĆ, Lazar PAVLOVIĆ, Ljubomir KLJAJIĆ
- P 676** **CHARACTERISTICS OF ALKALIZED SOILS IN THE BAČKA REGION (SERBIA) AND THE POSSIBILITY OF THEIR AFFORESTATION**, Saša PEKEĆ, Marina KATANIĆ, Vladislava GALOVIĆ, Velisav KARAKLIĆ
- P 677** **THE EFFECTS OF CLIMATE CHARACTERISTICS ON THE DIAMETER INCREMENT OF DOUGLAS-FIR IN THE CITY OF BELGRADE**, Tatjana RATKNIĆ, Mihailo RATKNIĆ, Zoran PODUSKA, Ivana ŽIVANOVIĆ, Nemanja LAZAREVIĆ, Sabahudin HADROVIĆ
- P 678** **EFFECT OF DROUGHT ON GROWTH AND MULTIPLICATION OF WHITE POPLAR GENOTYPES IN TISSUE CULTURE**, Vanja VUKSANOVIĆ, Branislav KOVAČEVIĆ, Saša ORLOVIĆ, Marko KEBERT, Marina KATANIĆ, Lazar PAVLOVIĆ
- P 679** **MORPHOLOGICAL CRITERIA FOR ASSESSING QUALITY OF SERBIAN SPRUCE (*PICEA OMORICA* / *PANČIĆ/PURKYNE*) SEEDLINGS FROM 21 HALF SIB FAMILIES**, Vasilije ISAJEV, Vanja DANIČIĆ, Milena STANKOVIĆ NEDIĆ
- P 680** **PRESENCE OF INVASIVE PLANT SPECIES IN THE REGENERATION OF OAK WOODLAND**, Verica VASIĆ, Predrag PAP, Sreten VASIĆ, Milan DREKIĆ, Vladislava GALOVIĆ, Leopold POLJAKOVIĆ PAJNIK, Zoran GALIĆ
- P 681** **VARIABILITY OF CONCENTRATION OF PHOTOSYNTHETIC PIGMENTS IN LEAVES OF SYCAMORE MAPLE (*ACER PSEUDOPLATANUS* L.) ONE-YEAR-OLD SEEDLINGS OF DIFFERENT HALF-SIB LINES**, Vladan POPOVIĆ, Ljubinko RAKONJAC, Aleksandar LUČIĆ
- P 682** **ANALYSIS OF YIELD QUALITY OF BALD CYPRESS (*TAXODIUM DISTICHUM* L. RICH.) AT THE LEVEL OF SEED STAND RS-2-2-tdi-00-240**, Vladan POPOVIĆ, Ljubinko RAKONJAC, Aleksandar LUČIĆ
- P 683** **SALT STRESS-RESPONSIVE MECHANISM OF RD17 GENE IN DIFFERENT POPLAR CLONES: TOWARD BIOCHEMICAL AND TRANSCRIPTOMIC MARKERS**, Vladislava GALOVIĆ, Saša ORLOVIĆ, Marko KEBERT, Branislav KOVAČEVIĆ, Sreten VASIĆ, Vanja VUKSANOVIĆ, Saša PEKEĆ

- P 684** EDAPHIC CHARACTERISTICS OF MARGINAL SOILS FOR POPLAR GROWING IN MANAGEMENT UNIT „GRABOJEVACKO VITOJEVACKO ISLAND“ (SERBIA), Zoran GALIĆ, Miljan SAMARDŽIĆ, Alen KIŠ, Radenko PONJARAC, Zoran NOVČIĆ
- P 685** THE QUALITATIVE AND QUANTITATIVE CHARACTERISTIC OF SELECTED POPULATION (*JUNIPERUS COMMUNIS* L.) IN DIFFERENT AREAS OF SLOVAKIA, Ivan LUKÁČIK, Luboš GREGA, Edita GREGOVÁ
- P 686** TEMPERATURE-INDUCED CHANGES IN HUMUS QUALITY AND ΔC SIGNATURES AS A PROXY INDICATOR OF SOIL BURN INTENSITIES AFTER FOREST WILDFIRES, Irene FERNANDEZ, Ana CABANEIRO
- P 687** SCIENTIFIC BASIS OF AGROFORESTRY HOME GARDENS: A CASE STUDY IN SOUTHERN SRI LANKA, Mangala DE ZOYSA, A.J. GAJANAYAKE, J. H. T. G. KAVINDYA, D. T. S. N. KARUNATHILAKA, S. SUBASINY, J. T. S. S. JAYAWARDHANA, M. G. K. BUDDIKA
- P 688** IMPACT OF DROUGHT AND SITE CHARACTERISTICS ON VITALITY AND RADIAL GROWTH OF *CEDRUS ATLANTICA* MANETTI IN THE OUARSENIS MASSIF (ALGERIA), Mohamed SARMOUM, Rafael NAVARRO-CERRILLO, Frédéric GUIBAL, Fatiha ABDOUN
- P 689** MONITORING ON APPEARANCE AND SPREAD OF HARMFUL INVASIVE PATHOGENS AND PESTS IN BELASITSA MOUNTAIN, Margarita GEORGIEVA, Georgi GEORGIEV, Plamen MIRCHEV, Eva FILIPOVA
- P 690** HEALTH STATUS OF PINE STANDS AS A PART OF THE EXTENSIVE TREE HEALTH MONITORING NETWORK IN BULGARIA, Margarita GEORGIEVA, Plamen MIRCHEV, Georgi GEORGIEV, Gergana ZAEMDZHKOVA, Maria MATOVA, Eva FILIPOVA, Peter PETKOV
- P 691** INVESTIGATING FACTORS AFFECTING CONSUMPTION OF CONSTRUCTION TIMBER FOR TEN SELECTED EUROPEAN COUNTRIES. A FOOTPRINT APPROACH, Panagiotis KOYLELIS
- P 692** *PSEUDOTSUGA MENZIESII* (MIRB.) FRANCO IN THE NW OF IBERIAN PENINSULA: SITE QUALITY AND FORESTRY, Ignacio J. DIAZ-MAROTO
- P 693** *PSEUDOTSUGA MENZIESII* (MIRB.) FRANCO IN THE NORTHWESTERN OF THE SPAIN: WOOD PROPERTIES, PRODUCTION AND FINAL CUT, Ignacio J. DIAZ-MAROTO
- P 694** SUPPLY OF NPK ELEMENTS THROUGH PRECIPITATION AND THROUGHFALL IN A COPICE OF GREEN OAK IN THE EAST OF ALGERIA, Toufik BENHIZIA, Bachir OUDJEHIIH, Salim LEBBAL
- P 695** ECOLOGICAL-COENOLOGICAL VITALITY OF NORTHERN RED OAK ON HABITATS OF TURKEY OAK AND OAK OF VIRGIL WITH BLACK ASH IN THE PARK-FOREST "KOŠUTNJAK" IN BELGRADE, SERBIA, Rajko MILOŠEVIĆ, Marijana NOVAKOVIĆ-VUKOVIĆ, Olivera KOŠANIN
- P 696** EFFECT OF CLIMATE CHANGE ON GAS EXCHANGE RESPONSES AND HYDRAULIC TRAITS OF *PINUS HALEPENSIS* MILL, Baraket MOKHTAR, Khaoula NEFZI, Boutheina KRAIMA, Sondes FKIRI, Walid JAOUADI, Zouhair NASR
- P 697** INCENTIVES FOR INDEGENOUS CONSERVATION OF FORESTS; A CASE OF MATEPATEPA, ZIMBABWE, Renias CHIVHEYA, Abbyssinia MUSHUNJE, Joe MUKARO
- P 698** EVALUATION OF DIFFERENT HARVESTING METHODS FOR THE SUPPLY OF WOOD-CHIPS IN AGROFORESTRY SYSTEMS, Andrea R. PROTO, Stelian A. BORZ, Antonio LEUZZI, Roberto BONOFI GLIO, Francesco GALLUCCI, Luigi PARI, Giuseppe ZIMBALATTI
- P 699** DETERMINATION OF POSSIBLE ENERGY POTENTIALS OF BANANA RESIDUES IN TURKEY, Bahadır DEMIREL, Hasan PINAR, Cevdet SAĞLAM

Side Event 1 (Hotel Termag) - Koliba upfloor

AGROSYM B2B (BUSSINES TO BUSSINES) MEETING

Thursday, 3rd of October 2019
Hotel Termag – Koliba conference hall (15:30 - 18:00)

Side Event 2 (Hotel Termag) - Koliba downfloor

Continuous training of agricultural engineers

Thursday, 3rd of October 2019
Hotel Termag – Koliba conference hall (15:00 - 18:00)
Lectures and round table on "Status and role of agricultural engineers in Republic of Srpska"
Training is organized by Chamber of Agricultural Engineers of Republic of Srpska

Side Event 3 (Hotel Termag) - Great Hall

Exhibition of local handicrafts and traditional and typical products

Thursday and Friday, 3 - 4th of October 2019
Hotel Termag – Great conference hall (09:00 - 19:00)



Sunday, October 6th, 2019
Conference Hall A (Hotel Termag)

08:30 - 09:00

- Final discussion and conclusions - Closing Ceremony