



Croatian 55
Hrvatski
sa
2020 15
International
Symposium on
Agriculture
Međunarodni
Simpozij
Agronomija

February 16 - 21, 2020
16.-21. veljače 2020.
Croatia / Hrvatska
Vodice, Olympia Sky Hotel

Programme
Program

Sveučilište u Zagrebu Agronomski fakultet

i

Fakultet agrobiotehničkih zanosti, Sveučilište Josipa Jurja Strossmayera u Osijeku
 Balkan Environmental Association B.E.N.A.
 Agronomski i prehrambeno-tehnološki fakultet Sveučilišta u Mostaru, Bosna i Hercegovina
 Akademija poljoprivrednih znanosti
 Biotehniška fakulteta Univerze v Ljubljani, Slovenija
 Fakulteta za kmetijstvo in biosistemske vede, Univerza v Mariboru, Slovenija
 Hrvatska agronomска комора
 ICA Regional Network for Central and South Eastern Europe (CASEE)
 Sveučilište Josipa Jurja Strossmayera u Osijeku
 Sveučilište u Zagrebu
 Sveučilište u Zagrebu Prehrambeno-biotehnički fakultet
 Sveučilište u Zagrebu Šumarski fakultet

pod pokroviteljstvom

Ministarstva znanosti i obrazovanja Republike Hrvatske
 Ministarstva poljoprivrede Republike Hrvatske
 Ministarstva zaštite okoliša i energetike Republike Hrvatske

a u suradnji s

Alltech Croatia
 Bc Institutom za oplemenjivanje i proizvodnju bilja
 Gradskim uredom za poljoprivredu i šumarstvo Grada Zagreba
 Hrvatskim agronomskim društvom, Zagreb
 Hrvatskim lovačkim savezom
 Hrvatskom agencijom za poljoprivredu i hranu, Zagreb
 Hrvatskom gospodarskom komorom
 Institutom za jadranske kulture i melioraciju krša, Split
 Institutom za poljoprivredu i turizam, Poreč
 Poljoprivrednim institutom Osijek
 Sveučilištem u Zadru
 Šibensko-kninskom županijom
 Veleučilištem u Požegi
 Veleučilištem u Slavonskom Brodu
 Visokim gospodarskim učilištem u Križevcima

organiziraju

55. hrvatski i 15. međunarodni simpozij agronoma
 16. - 21. veljače 2020. godine, Vodice, Hrvatska



University of Zagreb Faculty of Agriculture

and

Faculty of Agrobiotechnical Sciences, Josip Juraj Strossmayer University of Osijek
 Balkan Environmental Association B.E.N.A.

Faculty of Agriculture and Food Technology, University of Mostar, Bosnia and Herzegovina
 Academy of Agricultural Sciences

Biotechnical Faculty, University of Ljubljana, Slovenia

Faculty of Agriculture and Life Sciences, University of Maribor, Slovenia
 Croatian Chamber of Agriculture

The ICA Regional Network for Central and South Eastern Europe (CASEE)

Josip Juraj Strossmayer University of Osijek

University of Zagreb

University of Zagreb Faculty of Food Technology and Biotechnology

University of Zagreb Faculty of Forestry

under the patronage of the

Ministry of Science and Education of the Republic of Croatia

Ministry of Agriculture of the Republic of Croatia

Ministry of Environment and Energy of the Republic of Croatia

in collaboration with

Alltech Croatia

Bc Institute for breeding and seed production

City Office for Agriculture and Forestry, City of Zagreb

Croatian Agronomy Society, Zagreb

Croatian Hunting Federation

Croatian Agency for Agriculture and Food, Osijek

Croatian Chamber of Economy

Institute of Adriatic Crops and Karst Reclamation, Split

Institute of Agriculture and Tourism, Poreč

Agricultural Institute Osijek

University of Zadar

Šibenik-Knin County

College of Požega

College of Slavonski Brod

College of Agriculture at Križevci

organize

55th Croatian & 15th International Symposium on Agriculture

February 16 – 21, 2020, Vodice, Croatia



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OPĆE INFORMACIJE

Službeni jezik

Službeni jezici Simpozija su hrvatski i engleski. Plenarna izlaganja prevodit će se simultano.

Službene oznake

Sudionici Simpozija s plaćenom kotizacijom prilikom prijave dobivaju službene oznake s imenom (akreditacijske kartice) koje su obvezni nositi na svim mjestima službenog programa radnog dijela Simpozija.

Napomena

Sudionici s uplaćenom kotizacijom trebaju prilikom registracije predočiti potvrdu o uplati.

Registracijski pult bit će otvoren:

Nedjelja	16. veljače 2020.	17:00 – 19:00
Ponedjeljak	17. veljače 2020.	08:00 – 18:00
Utorak	18. veljače 2020.	08:00 – 19:00
Srijeda	19. veljače 2020.	08:00 – 18:00

Posteri | Dvorana – ARTEMIDA

Postavljanje postera je 30 minuta prije početka rada poster sekcije.

GENERAL INFORMATION

Official language

The official languages of the Symposium are Croatian and English. Simultaneous translation will be provided for plenary presentations.

Official badges

After paying the registration fee, all participants will receive their name badges. Participants are kindly requested to wear the badges at all times and places during the official Symposium program.

Note

Participants should present their payment slips at registration. The Congress Registration Desk will be open for the following times:

Sunday	February 16, 2020	17:00 – 19:00
Monday	February 17, 2020	08:00 – 18:00
Tuesday	February 18, 2020	08:00 – 19:00
Wednesday	February 19, 2020	08:00 – 18:00

Posters | ARTEMIDA HALL

Posters should be displayed 30 minutes before the start of the poster session.

Upute za predavače

U svim dvoranama predavačima su na raspolaganju: osobna računala i LCD projektori. Predavači predaju medij s predavanjem (USB) tehničkoj službi prije početka rada sekcije. Predavači iz Hrvatske, Srbije, Bosne i Hercegovine Power Point prezentaciju trebaju pripremiti na engleskom jeziku, a predavanje održati na hrvatskom ili engleskom jeziku.

Sva će se izlaganja održati u predviđenom vremenu.

Izlaganja i kratka pitanja nakon svakog izlaganja traju maksimalno 10 minuta.

Mole se predavači da ostanu u dvorani tijekom vremena predviđenog za raspravu.

Posteri se postavljaju na panoe veličine 100x120 cm (širina x visina) u dvorani ARTEMIDA. Postavljanje postera 30 minuta prije početka rada sekcije.

Izlaganje radova (osim radova pozvanih predavača) nije moguće bez uplaćene kotizacije.

Instructions to speakers

PCs and LCD projectors are available in all halls. Speakers are asked to submit the medium with the lecture (USB) to the technical service before the start of the session. It is suggested that lecturers from Croatia, Serbia, Bosnia and Herzegovina prepare Power Point presentation in English, and hold a lecture in English or Croatian.

All presentations will take place at the foreseen time.

Time for presentations and short questions following them is limited to 10 minutes.

Lecturers are kindly asked to remain in the hall during the time foreseen for discussion.

Posters are mounted on a 100x120 cm (width x height) panels in the ATREMIDA Hall. Posters may be displayed 30 minutes before the the start of the session.

The lecture cana be presented only if the registration fee has been paid (except for invited speakers presentations).

Program rada Simpozija :: Symposium Programme

NEDJELJA :: SUNDAY | 16.02.2020.

- 17:00 Registracija sudionika / Registration of participants
- 19:00 Koktel dobrodošlice / Welcome cocktail

PONEDJELJAK :: MONDAY | 17.02.2020.

- 08:00 Registracija sudionika / Registration of participants
- 10:00 Otvaranje simpozija / Opening ceremony | Olympia
- 10:40 Plenarna izlaganja / Plenary lectures | Olympia
- 14:30 Okrugli stol / Round table | Delta
- 16:30 Okrugli stol / Round table | Delta
- 18:00 Degustacija pršuta, sira i vina / Ham, cheese and wine tasting
- 21:00 Animacijski program uz dalmatinsku klapu /
Animation program with Dalmatian klapa | Konoba hotela Olympia

UTORAK :: TUESDAY | 18.02.2020.

- 09:00 Genetika, oplemenjivanje bilja i sjemenarstvo / Genetics, Plant Breeding and Seed Production | Aqua
- 09:00 Ribarstvo, lovstvo i pčelarstvo / Fisheries, Wildlife Management and Apiculture | Delta
- 14:00 Agroekonomika i ruralni razvoj / Agricultural Economics and Rural Development | Atena
- 14:00 Povrćarstvo, ukrasno, aromatično i ljekovito bilje / Vegetable Growing, Ornamental, Aromatic and Medicinal Plants | Riva
- 14:00 Ratarstvo / Field Crop Production | Aqua
- 21:00 Zabavni program uz DJ / Entertainment program with DJ | Disco club Olympia

SRIJEDA :: WEDNESDAY | 19.02.2020.

- 09:00 Agroekologija, ekološka poljoprivreda i zaštita okoliša / Agroecology, Ecological Agriculture and Environment Protection | Delta
- 09:00 Stočarstvo / Animal Husbandry | Riva
- 09:00 Voćarstvo / Pomology | Atena
- 14:00 Poljoprivredna tehnika / Agricultural Engineering | Atena
- 14:00 Vinogradarstvo i vinarstvo / Viticulture and Enology | Aqua
Mathematical modeling in plant production
- 20:00 Svečana večera / Gala dinner | Restaurant of hotel Olympia

ČETVRTAK :: THURSDAY | 20.02.2020.

- 10:00 Gratis izlet i ručak - znamenitosti Šibenika
Free trip and lunch - sights of Šibenik

PETAK :: FRIDAY | 21.02.2020.

- Odlazak sudionika / Departure

PONEDJELJAK :: MONDAY 17.02.2020.

- 10:00 **Otvaranje simpozija / Opening ceremony**
 DVORANA OLYMPIA :: OLYMPIA HALL
 Plenarna izlaganja / Plenary sessions
 Moderatori :: Moderators
Zoran Grgić, Krunoslav Zmaić, Krunoslav Dugalić
- 10:40 **Zoran Grgić**
 Hrvatska znanost i struka u poljoprivredi pred novim ciklusom ZAP-A 2021-2027
 Croatian science and profession in agriculture before the new CAP 2021-2027
- 11:00 **Ivan Pejić**
 Adaptability assessment of soybean cultivars of Croatia in the function of breeding for drought tolerance
- 11:20 **Minja Zorc, Peter Dovč**
 Advances in lactation biology
- 11:40 Rasprava ::Discussion
- 11:50 Odmor :: **Coffee break**
- 12:20 **Tomislav Vinković, Boris Ravnjak, Ivana Vinković Vrček, Zdenko Lončarić, Monika Tkalec Kojić, Ivna Štolfa Čamagajevac, Emerik Galić, Dubravka Vitali Čepo**
 Biofortifikacija lisnatog povrća selenom – nanobiotehnološki pristup
 Selenium biofortification of leafy vegetables - nanobiotechnological approach
- 12:40 **Laura Iacolina**
 African Swine Fever, a threat to wildlife and livestock
- 14:30 **Okrugli stol u suradnji sa Akademijom poljoprivrednih znanosti i Društvom Agrarnih novinara Hrvatske**
 Round table in collaboration with the Academy of Agricultural Sciences and Agrarian Journalists Society of Croatia
 DVORANA DELTA :: DELTA HALL
 EU ZAP 2021-2027 – koliko su spremni znanost, struka i kreatori agrarne politike?
 EU CAP 2021-2027 - how well prepared are science, profession and creators of the agrarian politics?
- 16:30 **Okrugli stol u suradnji sa Akademijom poljoprivrednih znanosti i Društvom Agrarnih novinara**
 Round table in collaboration with the Academy of Agricultural Sciences and Agrarian Journalists Society
 DVORANA DELTA :: DELTA HALL
 Afrička svinjska kuga – što se spremi domaćem svinjogojstvu i lovstvu?
 African swine fever - which is about the domestic pig breeding and hunting?
- 18:00 **Degustacija pršuta, sira i vina**
 Ham, cheese and wine tasting

- 21:00 **Zabavni program uz dalmatinsku klapu**
 Animation program with Dalmatian klapa | Konoba hotela Olympia

UTORAK :: TUESDAY 18.02.2020.

3. Genetika, oplemenjivanje bilja i sjemenarstvo

3. Genetics, Plant Breeding and Seed Production

DVORANA AQUA :: AQUA HALL

Moderatori :: Moderators

Ana Lovrić, Domagoj Šimić

- 09:00 **Vlatko Galić, Domagoj Šimić, Violeta Andelković, Natalija Kravić, Nikola Grčić, Snežana Mladenović Drinić, Tatjana Ledenčan, Zvonimir Zdunić, Zlatko Šatović**

Prvi rezultati genotipizacije panela inbred linija kukuruza iz Jugoistočne Europe pomoću Axiom 600k čipa

First results of genotyping the panel of maize inbred lines from Southeast Europe via Axiom 600k array

- 09:10 **Aida Dervishi, Doriana (Bode) Xhulaj, Ilda Kaso**

Genetska raznolikost važnih genotipova pšenice (*Triticum aestivum L.*) u Albaniji na osnovi morfoloških svojstava i RAPD markera

Genetic diversity of some important wheat (*Triticum aestivum L.*) genotypes in Albania based on morphological traits and RAPD markers

- 09:20 **Andrija Brkić, Antun Jambrović, Ivan Brkić, Zvonimir Zdunić, Tatjana Ledenčan, Domagoj Šimić, Josip Brkić, Monika Marković, Vlatko Galić**

Analiza predkomisijskih pokusa kukuruza i razvoj germplazme u oplemenjivačkoj stanici u Altınovi od 2015. do 2018. godine

Analysis of the pre-registration breeding trials and the germplasm developments in Altınova breeding station from 2015 to 2018

- 09:30 **Mirko Jukić, Ivica Buhiniček, Zdravko Kozić, Andrija Makar**

Rezultati ispitivanja novih Bc hibrida kukuruza FAO grupe 300 do 600

Testing results of new Bc maize hybrids of the maturity group 300 to 600

- 09:40 **Goran Jukić, Ivan Varnica, Krešimir Šunjić, Ivana Rukavina, Krunoslav Dugalić**

Postregistracijski pokusi ozime pšenice i ječma u Republici Hrvatskoj

Post-registration trials on winter wheat and barley in Republic of Croatia

- 09:50 **Ana Lovrić, Nikolina Novaković, Bruno Rajković, Marko Maričević, Hrvoje Šarčević**

Otpornost na priježetveno proklijavanje u potomstvima dvaju križanja ozime pšenice

Resistance to pre-harvest sprouting in progenies of two winter wheat crosses

- 10:00 Rasprava :: Discussion

- 10:10 **Nenad Vidović**

RWA kultivari 2020

- 10:30 Odmor :: Coffee Break

Moderatori :: Moderators
Marina Zorić, Marko Maričević

- 10:50 **Bruno Rajković, Ana Lovrić, Marko Maričević, Hrvoje Šarčević**
 Varijabilnost dormantnosti zrna i embrija u kolekciji sorata ozime pšenice
 Variability of seed and embryo dormancy in a collection of winter wheat varieties
- 11:00 **Marko Maričević, Katarina Jukić, Ivica Ikić, Matija Sever, Ana Lovrić, Bruno Rajković, Jerko Gunjača, Hrvoje Šarčević**
 Genotipske razlike u sadržaju mikotoksina u zrnu pšenice nastale uslijed zaraze s fuzarijskim paležom klasa
 Genotypic differences in mycotoxin content of wheat grains resulting from infection with Fusarium head blight
- 11:10 **Marina Zorić, Jerko Gunjača, Domagoj Šimić, Ivan Varnica, Luka Drenjančević**
 Alternativni dizajn poljskih pokusa za ispitivanje gospodarske vrijednosti sorti (VCU)
 Alternative design of field trials for testing the Value for Cultivation and Use of varieties (VCU)
- 11:20 **Ksenija Duka, Renata Hanzer**
 Utvrđivanje genetske modifikacije u sjemenu i zelenoj masi metodom lančane reakcije polimerazom u stvarnom vremenu (qPCR)
 Detection of genetic modification in seeds and green leaves using real-time polymerase chain reaction (qPCR) quality
- 11:30 **Sanja Grubišić, Andrijana Rebekić, Sunčica Guberac, Vedran Orkić, Sonja Petrović, Sonja Vila**
 Oplemenjivanje pšenice na njenu nutritivnu vrijednost
 Wheat breeding for nutritional quality
- 11:40 **Tihana Rajnović, Aleš Vokurka, Snježana Bolarić**
 Epigenetika u oplemenjivanju bilja
 Epigenetics in plant breeding
- 11:50 Rasprava :: Discussion
- 12:00 **3. Posteri :: 3. Posters**
 DVORANA ARTEMIDA :: ARTEMIDA HALL
 Moderatori :: Moderators
Ivanka Habuš Jerčić, Hrvoje Šarčević
- 3.01. **Monika Vidak, Ane Nimac, Zlatka Šatović, Jerko Gunjača, Boris Lazarević, Klaudija Carović-Stanko**
 Fluorescencija klorofila kao metoda za određivanje klijavosti sjemena graha (*Phaseolus vulgaris* L.)
 Chlorophyll fluorescence as a method for the prediction of germination success in common bean (*Phaseolus vulgaris* L.)
- 3.02. **Hrvoje Kutnjak, Snježana Bolarić**
 Mogućnost primjene daljinskog motrenja i korištenje dronova u očuvanju krmnih biljnih genetskih resursa

Potential applications of remote sensing and the use of drones in conservation of fodder crops genetic resources

- 3.03. **Tatjana Ledenčan, Vlatko Galić, Maja Mazur, Andrija Brkić, Josip Brkić, Antun Jambrović, Domagoj Šimić**
 Utjecaj genotipa i okoline na antioksidacijsku aktivnost i sadržaj ukupnih fenola u zrnu kukuruza kokičara
 Effect of genotype and environment on antioxidant activity and total phenols content in popcorn kernels
- 3.04. **Sonja Grlišić, Ivica Beraković, Hrvoje Plavšić, Branimir Šimić, Ilonka Ivanišić, Luka Andrić**
 Procjena genetskih parametara svojstava sjemena crvene djeteline
 Estimation of genetic parameters for seed traits of red clover
- 3.05. **Valentina Cindrić, Hrvoje Plavšić, Sunčica Guberac, Andrijana Rebekić, Sonja Vila, Sonja Petrović, Vedran Orkić, Vlado Guberac**
 Utjecaj regulatora rasta i fungicida na morfološka i fiziološka svojstva sjemena soje
 Effect of growth regulator and fungicide on morphological and physiological traits of soybean seed
- 3.06. **Hrvoje Plavšić, Sonja Grlišić, Ivica Beraković, Georg Guy, Cornelia Pistol, Nikolina Šimić, Luka Andrić**
 Analiza stabilnosti PIO kultivara pšenice i kukuruza u Rumunjskoj
 Stability analysis of AIO wheat and maize cultivars in Romania
- 3.07. **Natalija Kravić, Maja Mazur, Domagoj Šimić, Violeta Andelković, Tatjana Ledenčan, Josip Brkić, Snežana Mladenović Drinić, Andrija Brkić, Nikola Grčić, Milan Stevanović, Marko Mladenović, Vlatko Galić**
 Gas exchange and photosynthetic parameters in five maize hybrids
- 3.08. **Jasenka Antunović Dunić, Ivan Vlašiček, Vera Cesar**
 Učinkovitost fotosinteze u listovima duhana (*Nicotiana tabacum* L.) tijekom razvoja
 Photosynthetic efficiency of tobacco leaves (*Nicotiana tabacum* L.) during development
- 3.09. **Ivanka Habuš Jerčić, Snježana Kereša, Anja Gotić, Anita Mihovilović Bošnjak, Marijana Barić**
 Reakcija genotipova pšenice na različite gustoće sjetve
 Response of wheat genotypes to different sowing densities
- 3.10. **Anita Bošnjak Mihovilović, Ivanka Habuš Jerčić, Marijana Barić, Ivana Tomaz, Tatjana Prebeg, Kristina Bekavac, Snježana Kereša**
 Utjecaj osvjetljenja različitih spektralnih karakteristika na formiranje puči kapara (*Capparis orientalis* Veill.) u in vitro i in vivo uvjetima
 Effect of different light spectra on stomata formation of caper (*Capparis orientalis* Veill.) in vitro and in vivo
- 3.11. **Ruzanna Sadoyan, Nadezhda Dupliy, Alexander Usatov, Anna Nebish, Anatoliy Azarov, Alexey Popov, Inessa Sirekanyan**
 Effect of agrimitin on the spring barley grain germination and seedlings growth under drought condition

6. Ribarstvo, lovstvo i pčelarstvo

6. Fisheries, Wildlife Management and Apiculture

DVORANA DELTA :: DELTA HALL

Moderatori :: Moderators

Daniel Matulić, Goran Jakšić

- 09:00 **Šegvić-Bubić Tanja, Lepen-Pleić Ivana, Žuvić Luka, Bušelić Ivana, Talijančić Igor, Žužul Iva, Tibaldi Emilio, Grubišić Leon**
 Kukci kao izvor bjelančevina u hrani dubina Dicentrarchus labrax
 Insects as a protein source in the diet of European seabass Dicentrarchus labrax
- 09:10 **Juraj Petravić, Marin Jarnjak, Krešimir Kuri, Martina Andrašić, Ivana Kaleb Vuletić, Margarita Maruškić Kulaš, Helena Jajčević, Goran Jakšić**
 Sastav riblje zajednice rasteretnog poplavnog kanala Kupa-Kupa
 Fish assemblage of the artificial flood protection channel Kupa-Kupa
- 09:20 **Zvjezdana Popović Perković, Jelena Nejašmić, Katarina Dražić**
 Level of microplastic contamination in mussels (*Mytilus galloprovincialis*, Lamarck, 1819) in the Adriatic Sea
- 09:30 **Daniel Matulić, Lucija Korda, Vlatka Marijić Filipović, Zrinka Dragun, Marijana Erk, Tea Tomljanović**
 Morphometric characteristics, condition factor and heavy metal concentrations of Atlantic chub mackerel (*Scomber colias*) from the Adriatic Sea
- 09:40 **Marina Mašanović, Josip Baričević, Ivana Birčić, Petar Crmarić, Frane Škeljo, Svjetlana Krstulović Šifner, Marija Torić, Jure Brčić**
 Preliminarni rezultati ispitivanja utjecaja dimenzije vrša na lovnost škampa (*Nephrops norvegicus*)
 The impact of different creel dimensions on efficiency of Norway lobster (*Nephrops norvegicus*) fishing: preliminary results
- 09:50 **Nikolina Ledenko, Tea Tomljanović, Slavica Čolak, Danijel Mejdanđić, Matko Kolega, Renata Barić, Daniel Matulić**
 Causes of coloration of muscular tissue at fresh sea bass (*Dicentrarchus labrax*) with bile pigments
 Uzroci obojenja mišićnog tkiva svježeg brancina (*Dicentrarchus labrax*) žučnim bojama
- 10:00 **Svjetlana Krstulović Šifner, Jure Brčić, Josip Gugić, Vedrana Nerlović, Mirela Petrić, Frane Škeljo, Željka Trumbić, Giuseppe Scarella, Nedo Vrgoč, Rosa Caggiano, Danijela Mioković, Simone Libralato**
 Ekosustavni pristup: budućnost upravljanja ribarstvom u Jadranskome moru?
 Ecosystem approach: future of fisheries management in the Adriatic Sea?
- 10:10 Rasprava :: Discussion
- 10:20 Odmor :: Coffee Break
- Moderatori :: Moderators
Marina Piria, Ana Gavrilović

- 10:40 **Neven Iveša, Ivan Špelić, Martina Gelli, Antonio Castellicchio, Marina Piria, Ana Gavrilović**
 Analiza ulova ribe mrežom poponicom u Medulinskom zaljevu
 Fish catch analysis of the “poponica” net in Bay of Medulin
- 10:50 **Tin Batur, Matej Orešković, Antonio Viduka, Tena Radočaj, Ivan Špelić, Danilo Mrdak, Marina Piria**
 Kompeticija u prehrani između unesene kalifornijske pastrve (*Oncorhynchus mykiss*) i ugrožene Europske jegulje (*Anguilla anguilla*) iz rijeke Žrnovnice
 Competition for food between introduced rainbow trout (*Oncorhynchus mykiss*) and endangered European eel (*Anguilla anguilla*) from the Žrnovnica River
- 11:00 **Balázs Kovács, Katalin Ihász, Szilvia Keszte, Réka Enikő Balogh, Dóra Kánainé Sipos, Béla Urbányi, István Lehoczky**
 Application of molecular genetic tools in Hungarian aquaculture and fish gene conservation
- 11:10 **Ákos Horváth, Jelena Lajić, Zoran Marinović, Márton Hoitsy, Béla Urbányi, György Hoitsy**
 The use of the hybrid tiger trout as a recipient for interspecific transplantation of spermatogonia
- 11:20 **Brigita Novosel, Neven Iveša, Ivana Balenović, Alexis Conides, Jurica Jug-Dujaković, Ana Gavrilović**
 Utjecaj vremena nasadijanja mlađi na rast orade i lubina u kaveznom uzgojnem sustavu
 Impact of stocking time on the growth of sea bream and sea bass in a cage rearing system
- 11:30 **Ana Gavrilović, Jurica Jug-Dujaković**
 Održavanje optimalne kvalitete vode u recirkulacijskom sustavu
 Maintaining optimum water quality in the recirculation system
- 11:40 Rasprava :: Discussion

Pčelarstvo / Apiculture
 Moderatori :: Moderators
Dragan Bubalo, Lidija Svečnjak

- 12:00 **Jelena Horvatinec, Lidija Svečnjak**
 Infracrvene (FTIR) spektralne značajke hemolimfe medonosne pčele (*Apis mellifera L.*)
 Infrared (FTIR) spectral features of honey bee (*Apis mellifera L.*) hemolymph
- 12:10 **Lea Balen Percela, Saša Prđun, Marica Dražić, Dragan Bubalo**
 Utjecaj snage pčelinje zajednice na skupljanje pčelinjeg otrova metodom elektrostimulacije
 Influence of the honey bee colony strength on collecting bee venom by electro stimulation method
- 12:20 Rasprava :: Discussion
- 12:30 Odmor :: Lunch

Lovstvo / Wildlife management

Moderatori :: Moderators

Nikica Šprem, Tihomir Florijančić

14:00 **Krešimir Kavčić, Antonio Čeredar, Nikica Šprem**

GPS telemetrija introduciranoj jelenu običnog (*Cervus elaphus*): rezultati preliminarnog istraživanja u Središnjoj Hrvatskoj

GPS telemetry of introduced red deer (*Cervus elaphus*): results of a preliminary study in central Croatia

14:10 **Toni Tešija, Toni Safner, Laura Iacolina, Elena Bužan, Nino Bašić, Jianhai Chen, Jianlin Han, Nikica Šprem**

Assembly of a Complete Mitogenome of Balkan Chamois (*Rupicapra rupicapra balcanica*)

14:20 **Igrancy Kitowski, Grzegorz Grzywaczewski**

Conflicts at fishponds: water bird hunting versus nature conservation in Poland

14:30 **Ivan Pervan, Krešimir Kavčić, Marina Tomić Maksan, Damir Ugarković, Nikica Šprem**

Napadi vuka na lovačke pse u Republici Hrvatskoj

Wolf attacks on hunting dogs in Republic of Croatia

14:40 **Jasmina Grđan Buhin, Ivica Budor, Miroslav Benko, Neška Vukšić, Ivica Bošković, Tihomir Florijančić**

Stradavanje divljači u prometu u Varaždinskoj županiji

Game traffic accidents in Varaždin County

14:50 **Mirta Krajpl, Tihomir Florijančić, Andelko Opačak, Ivica Bošković**

Trofejna vrijednost srneće divljači na području Osječko-baranjske županije

Trophy value of roe deer in the Osijek-Baranja County

15:00 **Miljenko Bujanić, Tomislav Žuglić, Krešimir Krapinec, Dean Konjević**

Odnos metilja *Fascioloides magna* i srne obične (*Capreolus capreolus*) kao aberantnog nositelja

Relationship between the trematode *Fascioloides magna* and roe deer (*Capreolus capreolus*) as aberrant host

15:10 Rasprava :: Discussion

15:20 Odmor :: Coffee Break

15:40 **Krešimir Krapinec, Krešimir Pauković, Robert Sajfert3, Darko Uher**

Razina brštenja pojedinih sredozemnih biljnih vrsta od strane europskog muflona

Browsing intensity of some Mediterranean plants by the European mouflon

15:50 **Mate Malenica, Krunoslav Pintur**

Procjena brojnosti populacije jarebice kamenjarke (*Alectoris graeca*) na području značajnog krajobraza vodenog toka i kanjona rijeke Čikole

Estimation population size of the rock partridge (*Alectoris graeca*) in the area of protected landscape of the water course and the canyon of the Čikola River

- 16:00 **Ivan Pervan, Matija Konječić, Tomislav Dumić**
 Kraniometrijska obilježja šljuke bene (Scolopax rusticola L.) s područja Dalmatinske zagore
 Craniometrical features of Eurasian woodcock (Scolopax rusticola L) in the area of Dalmatian Hinterland
- 16:10 **Mirjana Ivasić, Ivan Krupec**
 Registrirane lovačke udruge i lovišta u Republici Hrvatskoj: ekonomski pokazatelji međusobnog odnosa
 Registered hunting associations and hunting grounds in the Republic of Croatia: economic indicators of mutual relation
- 16:20 **Zrinka Tolušić, Vlado Jumić, Tihomir Florijančić**
 Financijski učinci lovog turizma u istočnoj Hrvatskoj
 Financial effects of hunting tourism in eastern Croatia
- 16:30 Rasprava :: Discussion
- 17:00 **6. Posteri :: 6. Posters**
 DVORANA ARTEMIDA :: ARTEMIDA HALL
 Moderatori :: Moderators
Daniel Matulić, Goran Jakšić
- 6.01. **Barbara Zorica, Vanja Čikeš Keč, Marija Šestanović**
 Distribution of anchovy eggs stages during the day along the eastern Adriatic Sea
- 6.02. **Katarina Dražić, Jelena Nejašmić, Renee E. Bishop-Pierce, Zvjezdana Popović Perković**
 Influence of microplastics on metabolic health of the Mediterranean mussels (*Mytilus galloprovincialis* Lamarck, 1819)
- 6.03. **Réka Enikő Balogh, Milán Varjú-Katona, Katalin Ihász, Szilvia Keszte, Jelena Lujic, Ilija Šćekić, Nevena Kitanović, Béla Urbányi, Balázs Kovács**
 Growth performance of African catfish (*Clarias gariepinus*) fed with low fish-meal feed
- 6.04. **Andelko Opačak, Dinko Jelkić, Siniša Ozimec, Ras Lužaić**
 Rasprostranjenost i gustoća ribljih populacija na različitim tipovima staništa u Dunavu
 Distribution and abundance of fish populations in different types of Danube habitats
- 6.05. **Igor Talijančić, Tanja Šegvić Bubić, Iva Žužul, Leon Grubišić**
 Differentiating fish origin with morphometrics toolbox
- 6.06. **Marina Piria, Mirna Mrkonjić Fuka, Ana Gavrilović, Wan Shiming, Li Li, Irina Tanuwidjaja, Rong Tang, Honghao Zhao, Qiushi Yang, Dapeng Li**
 Length-weight relationships and condition between invasive and native populations of topmouth gudgeon *Pseudorasbora parva*
- 6.07. **Marina Piria, Filip Petek, Luana Velagić, Ivana Lisica, Ivan Špelić, Tena Radoča1, Tamara Kanjuh, Ana Marić, Ivana Buj, Marko Čaleta, Davor Zanella, Predrag Simonović**
 Povijest i pregled istraživanja potočne pastreve crnomorskog sliva u Hrvatskoj
 History and review of research of brown trout from Black Sea Basin in Croatia

- 6.08. **Sanja Grđan, Ana Bratoš Cetinić, Marija Crnčević, Jadranka Sulić Šprem**
 Morfometrijske značajke puža *Phorcus turbinatus* (Born 1778) (Mollusca: Gastropoda) iz Mrtvog mora (otok Lokrum, južni Jadran)
 Morphometric characteristics of the snail *Phorcus turbinatus* (Born, 1778) (Mollusca: Gastropoda) from the marine lake Mrtvo more (Lokrum Island, South Adriatic)
- 6.09. **Željana Đođo, Nenad Antolović, Nikša Glavić, Jadranka Sulić Šprem**
 Dužinsko - maseni odnos glavoča travaša *Zosterisessor ophiocephalus* u Novigradskom moru – istočno Jadransko more
 Length-weight relationship of grass goby *Zosterisessor ophiocephalus* from Novigrad Sea - eastern Adriatic Sea
- 6.10. **Jadranka Sulić Šprem, Tatjana Dobroslavić, Sanja Grđan, Kruno Bonačić, Nenad Antolović**
 Indeks kondicije bežmeka *Uranoscopus scaber* Linnaeus, 1758 u južnom Jadranu
 The condition index of the stargazer *Uranoscopus scaber* Linnaeus, 1758. from the southern Adriatic
- 6.11. **Irena Glavor, Vlasta Bartulović, Tatjana Dobroslavić**
 Analiza prisutnosti čestica mikroplastike u želucima triju komercijalnih vrsta riba na području južnog Jadrana
 Analysis and the presence of microplastic particles in the stomachs of three commercial fish species in the southern Adriatic
- 6.12. **Mario Prečanica, Kruno Bonačić, Jadranka Sulić Šprem, Josip Mikuš**
 Utjecaj različitih koncentracija silikata na abundanciju dijatomeje *Chaetoceros cf. neogracilis* (Schutt, 1985) u uzgojnim uvjetima
 Effects of silicate concentrations on the growth of the diatom *Chaetoceros cf. neogracilis* in aquaculture conditions
- 6.13. **Ena Spremo, Ana Bratoš Cetinić, Marina Brailo**
 Učinkovitost različitih metoda ekstrakcije mikroplastike iz mediteranske dagnje *Mytilus galloprovincialis* (Lamarck, 1819)
 Efficiency of different methods for microplastics extraction from Mediterranean mussel *Mytilus galloprovincialis* (Lamarck, 1819)
- 6.14. **Josip Gulin, Zdenko Lončarić, Nina Bilandžić, Krunoslav Pintur, Ivica Bošković, Tihomir Florijančić**
 Zec kao bioindikator onečišćenja okoliša teškim metalima
 Hare as a bioindicator of environmental pollution by heavy metals
- 6.15. **Jelena Nikitović, Belma Kalamujić Stroil, Nermin Pračić**
 Odnos kutova zglobova kod populacije baraka u Bosni i Hercegovini
 Angularity of the Barak population in Bosnia and Herzegovina
- 6.16. **Polona Margeta, Daria Jovičić, Vladimir Margeta, Mario Šošić**
 Genotipizacija SOD1 kod Bernskih planinskih pasa kao prevencija degenerativne mijelopatije pasa
 SOD1 genotyping of Bernese Mountain Dogs as a prevention of canine degenerative myelopathy
- 6.17. **Zoran Popović, Vesna Davidović, Ivana Božičković, Bojan Ivanović, Mirjana Bojanić Rašović**
 Influencje of age on the trophy value of antlers at roe deer (*Capreolus capreolus* L.)

- 6.18. **Katarina Ivanišin Kardum, Marija Crnčević**
 U društvu pčela
 In the company of bees
- 6.19. **Ivana Flanjak, Ljiljana Primorac, Blanka Bilić Rajs, Marin Kovačić, Tihomir Zovko, Zlatko Puškadija**
 Impact of the collectors' position on collected honeybee venom weight
- 6.20. **Marin Kovačić, Nikola Raguž, Ivana Majić, Boris Lukić, Ankica Sarajlić, Zlatko Puškadija**
 Rezultati selekcije prve generacije sive pčele (*Apis mellifera carnica*) na svojstva otpornosti na grinju Varroa destructor
 Results of the first generation of Carniolan honey bees (*Apis mellifera carnica*) selection to Varroa destructor resistant traits
2. Agroekonomika i ruralni razvoj
2. Agricultural Economics and Rural Development
 DVORANA ATENA :: ATENA HALL
 Moderatori :: Moderators
Vesna Očić, Krisztian Kovacs, Ljiljana Božić Ostojić
- 14:00 **Ljiljana Božić-Ostojić, Slavica Antunović, Mihaela Blažinkov, Teuta Benković Lačić**
 Stavovi proizvođača Brodsko-posavske županije o stanju poljoprivrede i poljoprivredne politike
 Attitudes of producers in Brod-Posavina county on the state of agriculture and agricultural policy
- 14:10 **Branka Šakić Bobić, Ornella Mikuš, Nataša Šenjug, Zoran Grgić, Vesna Očić**
 Iskustva poljoprivrednika Krapinsko-zagorske županije s fondovima Europske Unije
 Experiences of farmers from Krapina-Zagorje County with EU funds
- 14:20 **Alexander Wirsig, Wolfgang Heisrath**
 Welcome to the club? The significance of protected geographical indications and designations of origin in Europe, with special consideration of the Croatian situation
- 14:30 **Forest David, Tünde Zita Kovács**
 Introducing QSPM analysis to agribusiness firms
- 14:40 **Tünde Zita Kovács, András Nábrádi**
 Types of Collaborative Consumption and its Potential in Agribusiness
- 14:50 **Zoran Grgić, Mato Čačić, Zlatko Pavičić, Branka Šakić Bobić**
 Osnovni činitelji ekonomike proizvodnje mlijeka na farmama različitog kapaciteta
 Basic factors of economics of milk production on farms of different capacity
- 15:00 **Krisztián Kovács, István Szűcs, Vesna Očić, Josip Juračak**
 Efficiency comparison of the main Croatian and Hungarian animal husbandry sectors
- 15:10 Rasprava :: Discussion
- 15:20 Odmor :: Coffee Break

Moderatori :: Moderators
Željka Mesić, Tihana Sudarić, Ana Čehić

- 15:40 **Željka Mesić, Matea Šaban**
 Obilježja online kupnje ekoloških prehrabnenih proizvoda u Hrvatskoj
 Characteristics of online purchases of organic food products in Croatia
- 15:50 **Damir Kovačić, Marina Čurčić, Marija Cerjak, Željka Mesić**
 Mogućnost uvođenja jednokratne ambalaže za ajvar na domaće tržiste
 The possibility of introducing a disposable ajvar packaging on the domestic market
- 16:00 **Tihana Sudarić, Krunoslav Zmaić, Vinka Čepo**
 Razvoj eno-gastronomске turističke destinacije
 Development of wine and gastronomic touristic destination
- 16:10 **Ana Čehić, Martina Begić, Marija Cerjak, Milan Oplanić**
 Maslinarstvo kao dio turističke ponude
 Olive growing as a part of tourism supply
- 16:20 **Tomislav Vukina, Danijel Nestić**
 Explaining the prevalence of obesity in Croatia: The importance of the Mediterranean diet
- 16:30 **Marin Čagalj, Marko Ivanković, Ivo Grgić**
 Vanjskotrgovinska razmjena Republike Hrvatske i Bosne i Hercegovine poljoprivredno-prehrabnenim proizvodima u razdoblju od 2013. do 2018. godine
 External trade of agricultural and food products between the Republic of Croatia and Bosnia and Herzegovina in the period 2013-2018
- 16:40 Rasprava :: Discussion
- 17:30 **2. Posteri :: 2. Posters**
 DVORANA ARTEMIDA :: ARTEMIDA HALL
 Moderatori :: Moderators
Željka Mesić, Marija Cerjak
- 2.01. **Ružica Lončarić, Jadranka Deže, Andrijana Rebekić**
 Mišljenja i stavovi potrošača vezano uz potrošnju jabuka
 Consumers' opinions and attitudes regarding apple consumption
- 2.02. **Milna Tudor Kalit, Matea Šuša, Marina Tomić Maksan, Samir Kalit**
 Stavovi potrošača o sirevima tradicionalne i industrijske proizvodnje
 Consumer attitudes about traditional and industrial cheese production
- 2.03. **Ljubica Ranogajec, Tihana Sudarić, Jadranka Deže**
 Ekonomika proizvodnje začinske paprike prema modelu procesne kalkulacije
 Economics of spicy peppers production according to the model of process calculation
- 2.04. **Ivan Spužević, Saša Zovko**
 Značaj troškova mineralnih gnojiva za cijenu koštanja i isplativost proizvodnje lubenice

The significance of mineral fertilizer cost for cost price and cost-effectiveness in water melon production

- 2.05. **Natalija Brečko, Marjana Koren, Branko Šket, Jerneja Planinšek Žlof, Darinka Bosnar**
Complementary activity on a farm as a business opportunity
- 2.06. **Jadranka Deže, Ante Stanković, Tihana Sudarić, Jelena Kristić**
Organizacija i integracija vrijednosnog lanca proizvođača kulena u Slavoniji i Baranji
Organization and integration of the kulen producer value chain in Slavonia and Baranja
- 2.07. **Sanja Jelić Milković, Zrinka Tolušić, Ružica Lončarić**
Analiza mišljenja domaćih proizvođača vina o konkurenčiji
Analysis of domestic winemakers' opinions on competition
- 2.08. **Jurij Gunzek, Branko Šket, Sonja Boštjančić, Natalija Brečko, Darinka Bosnar**
Slovenian natural spirits and their quality
- 2.09. **Robert Brkić, Ivana Čandrlić-Dankoš, Željka Bedek**
Analiza tržišta pjenušavih vina Republike Hrvatske nakon pristupanja Europskoj uniji
Analysis of the sparkling wine market in the Republic of Croatia after EU accession
- 2.10. **Paula Rosca, Daniel Badulescu, Dorin Bac**
How involved are corporations in environmental protection and sustainability? Study-case on Romanian agricultural sector

4. Povrćarstvo, ukrasno, aromatično i ljekovito bilje

4. Vegetable Growing, Ornamental, Aromatic and Medicinal Plants

DVORANA RIVA :: RIVA HALL

Moderatori :: Moderators

Nina Toth, Tomislav Vinković

- 14:00 **Boris Ravnjak, Tomislav Vinković, Zdenko Lončarić, Brigita Popović, Monika Tkalec Kojić, Emerik Galić, Ivana Vinković Vrček, Ivna Štolfa Čamagajevac**
Biofortifikacija nanoselenom – utjecaj na mineralni sastav korijena i lista rukole Biofortification with nanoselenium – influence on root and leaf nutrient status of rucola
- 14:10 **Boris Ravnjak, Ana Vuković, Emerik Galić, Ivna Štolfa Čamagajevac, Tomislav Vinković, Monika Tkalec Kojić, Ivana Vinković Vrček**
Biofortifikacija nanoselenom – antioksidativni odgovor u lišću rukole
Biofortification with nanoselenium - antioxidative response in rucola leaves
- 14:20 **Marin Cukrov, Luka Jerončić, Leon Prelogović, Jana Šic Žlabur**
Promjene u sastavu sekundarnih metabolita rukole u odnosu na intenzitet suše
Changes of rocket secondary metabolites content in relation to drought stress
- 14:30 **Božidar Benko, Mislav Đurić, Sanja Radman, Boris Lazarević, Nina Toth, Ivanka Žutić, Nevena Opačić**
Morfometrijska svojstva ploda i prinos krastavca tretiranog bilnjim biostimulatorima
Fruit morphometric properties and yield of cucumber treated with plant biostimulants

- 14:40 **Kristina Batelja Lodeta, Davorka Poljak, Lucijana Kovačević, Gvozden Dumičić, Smiljana Goreta Ban**
 Morfološka svojstava kultivara mini lubenice
 Morphological traits of mini watermelon cultivars
- 14:50 **Nina Toth, Leopold Prlić, Lepomir Čoga, Ivanka Žutić, Sanja Fabek Uher, Božidar Benko**
 Učinak vermikomposta na morfološka svojstva, prinos i mineralni sastav ploda paprike
 Effect of vermicompost on morphological characteristics, yield and mineral content of pepper fruit
- 15:00 **Ivana Vitasović-Kosić**
 Etnobotanika Istre – medicinsko i aromatično bilje
 The ethnobotany of Istria - medicinal and aromatic plants
- 15:10 **Ivica Ljubičić, Lucija Sklepić, Mihaela Britvec, Ivana Vitasović-Kosić, Sandro Bogdanović**
 Potencijalna rasprostranjenost ljekovitih i medonosnih biljnih vrsta roda Satureja L. (Lamiaceae) u Hrvatskoj
 Potential distribution of medicinal and honey plant species of the genus Satureja L. (Lamiaceae) in Croatia
- 15:20 Rasprava :: Discussion
- 15:30 Odmor :: Coffee Break
- Moderatori :: Moderators
Josipa Perković, Božidar Benko
- 16:00 **Nevena Opačić, Tamara Brlek, Sanja Slunjski, Kristina Kljak, Sanja Radman, Sanja Fabek Uher**
 Količina makroelemenata u mladim izdancima cikle i brokule
 Macroelements content of red beet and broccoli microgreens
- 16:10 **Monika Tkalec Kojić, Tomislav Vinković, Boris Ravnjak, Jasna Kraljičak, Mario Đurić**
 Ispitivanje klijavosti sjemena pustenaste divizme (*Verbascum phlomoides* L.) na različitim podlogama
 Germination test of *Verbascum phlomoides* on different growth media
- 16:20 **Ivanka Žutić, Kristina Bajlo, Božidar Benko, Nina Toth, Sanja Radman**
 Klijavost sjemena kapare (*Capparis orientalis* Veill.) pod utjecajem različitih kemijskih tvari
 Germination of capper (*Capparis orientalis* Veill.) seeds affected by different chemical treatments
- 16:30 **Sanja Radman, Antonia Skomrak, Božidar Benko, Sanja Fabek Uher, Nevena Opačić, Ivanka Žutić**
 Utjecaj predsjetvenih tretmana na klijavost sjemena mrkve, peršina i kopra
 Effect of pre-sowing treatment on seed germination of carrot, parsley and dill
- 16:40 **Nina Kacjan Maršić, Katarina Košmelj, Ana Slatnar**
 Utjecaj roka sadnje i kultivara na prinos i morfološka svojstva lukovica češnjaka (*Allium sativum* L.): podaci iz malog pokusa

The impact of planting date and cultivar on yield and morphological traits of garlic (*Allium sativum* L.) bulbs: data from a small-scale experiment

- 16:50 **Josipa Perković, Dean Ban, Danko Cvitan, Smiljana Goreta Ban**
 Agronomski i vegetativni svojstva kolekcije hrvatskih lokalnih ekotipova ljetutike
 Agricultural and Vegetative Properties of Shallot Local Landrace Accessions from Croatia
- 17:00 **Iva Bažon, Igor Lukić, Dean Ban, Ivana Horvat, Bernard Prekalj, Smiljana Goreta Ban**
 Hlapivi spojevi češnjaka cv. Istarskog crvenog pri različitim rokovima berbe
 Volatile compounds of garlic cv. 'Istarski crveni' at different harvesting dates
- 17:10 **Erjon Mamoci, Kostlend Mara, Ilir Lloha, Maria Fe Andrés, Sonia Olmeda, Azucena González-Coloma**
 Kemijski sastav i antimikrobnja aktivnost esencijalnih ulja albanskih crnogoričnih vrsta
 Chemical composition and antimicrobial activity of essential oils from Albanian conifer species
- 17:20 Rasprava :: Discussion
- 18:00 **4. Posteri :: 4. Posters**
 DVORANA ARTEMIDA :: ARTEMIDA HALL
 Moderatori :: Moderators
Sanja Radman, Ivica Ljubičić
- 4.01. **Elena Liliana Chelariu, Lucia Draghia, Maria Apostol, Bogdan-Vlad Avarvarei, Mirela Cojocariu, Nicoleta Luminița Paraschiv**
 Utjecaj vermicomposta na kvalitetu presadnika vrste *Kniphofia uvaria*
 Vermicompost influence on seedlings quality of *Kniphofia uvaria* species
- 4.02. **Ines Han Dovedan, Helena Zečić, Lepomir Čoga, Miroslav Poje**
 Utjecaj supstrata i gnojidbe na rast i razvoj vrste *Tagetes patula* L.
 Influence of substrate and fertilizer on growth and development of the species *Tagetes patula* L.
- 4.03. **Boris Dorbić, Marijeta Kokić, Emilija Friganović, Željko Španjol, Elma Temim, Ana Vujošević**
 Percepcije i stavovi o ukrasnim karakteristikama i primjeni odabranih zaštićenih biljnih vrsta
 Perceptions and attitudes on ornamental features and the use of selected protected plant species
- 4.04. **Tatjana Prebeg, Željko Ćurković, Dubravka Dujmović Purgar, Ksenija Karlović, Vesna Židovac**
 Morfometrijska analiza epidermalnih stanica latica odabranih kultivara mačuhice (*Viola × witrockiana* Gams)
 Morphometric analysis of petal epidermal cells in selected cultivars of garden pansy (*Viola × witrockiana* Gams)
- 4.05. **Marija Mandušić, Ana Matešković, Marin Cukrov, Elda Vitanović, Tanja Gotlin Čuljak, Ivan Juran, Katja Žanić**
 Otpornost populacija stakleničkog štitastog moljca na insekticide u priobalnom dijelu Hrvatske
 Insecticide resistance in greenhouse whitefly populations from coastal Croatia
- 4.06. **Ivan Juran, Marija Mandušić, Ana Matešković, Marin Cukrov, Elda Vitanović, Katja Žanić, Tanja Gotlin Čuljak**

Osjetljivost kalifornijskog tripsa (*Frankliniella occidentalis* Pergande, 1895) na insekticide
 Sensitivity of the Western Flower Thrips (*Frankliniella occidentalis* Pergande, 1895) to insecticides

- 4.07. **Marko Viskić, Marinela Nutrizio, Ana Kovač, Marko Vinceković, Anet Režek Jambrak**
 Računalni probir zelenih otapala u ekstrakciji bioaktivnih spojeva iz mediteranskog bilja
 Software assisted solvent screening and extraction of bioactive compounds from Mediterranean plants with “green” solvents
- 4.08. **Anisa Peculi, Nertil Xhaferaj, Sara Serbo, Anila Kopali, Alketa Shehaj**
 Određivanje sadržaja kofeina UV-VIS spektroskopijom u uzorcima kave i čaja dostupnim na albanskom tržištu
 Determination of caffeine content by UV-VIS spectrophotometer in coffee and tea samples available on Albanian market
- 4.09. **Nertil Xhaferaj, Anisa Peçuli, Sara Serbo, Albjona Brahollari, Erjola Kopali, Anila Kopali**
 Optimizacija ekstrakcije kofeina iz uzorka kave i čaja
 Optimization of the extraction of caffeine from coffee and tea samples

5. Ratarstvo

5. Field Crop Production

DVORANA :: AQUA HALL

Moderatori :: Moderators

Klara Barić, Zlatko Svečnjak

- 14:00 **Klara Barić, Zlatko Svečnjak, Josip Lakić, Ana Pintar, Tomislav Torić**
 Učinak pokrovne kulture na kontrolu korova na strništu
 Contribution of cover crops to weed suppression
- 14:10 **Zlatko Svečnjak, Dario Jareš, Martina Kovačević, Klara Barić, Tomislav Ivanušić, Dubravko Mačešić, Dubravka Dujmović Purgar**
 Changes in seed yield and quality resulting from lodging in Italian ryegrass crop
- 14:20 **Marcela Andreata-Koren, Josipa Pavleković, Martina Harča, Marijana Ivanek-Martinčić, Tomislava Peremin Volf, Zvjezdana Augustinović**
 Utjecaj gustoće sjetve i međurednog razmaka na agronomске značajke bijele lupine (*Lupinus albus* L.)
 Influence of sowing density and row spacing on the agronomic characteristics of white lupine (*Lupinus albus* L.)
- 14:30 **Duro Lukić, Kristijan Puškarić, Domagoj Stepinac**
 Prinos BC hibrida kukuruza u proizvodnim pokusima u 2019. godini
 BC maize hybrids yield in performance trials in 2019
- 14:40 **Ivan Horvatić, Martina Kovačević, Dario Jareš, Dubravko Mačešić, Zlatko Svečnjak**
 Influence of intercropping maize with cowpea on forage yield and quality
- 14:50 Rasprava :: Discussion

15:00 **5. Posteri :: 5. Posters**

DVORANA :: ARTEMIDA HALL

Moderatori :: Moderators

Darko Uher, Zlatko Svečnjak

- 5.01. **Ivan Horvatić, Martina Kovačević, Dario Jareš, Zlatko Svečnjak, Ivana Radojčić Redovniković, Darko Uher**
Influence of intercropping maize with climbing bean and fertilization with clinoptilolite on forage yield and quality
- 5.02. **Darko Uher, Ivana Radojčić Redovniković, Dario Jareš, Ivan Horvatić**
Influence of intercropping maize with soybean on forage yield and quality
- 5.03. **Darko Uher, Ivan Horvatić, Dario Jareš**
Influence of intercropping sweet sorghum with soybean on yield and crude protein content of fresh fodder
- 5.04. **Jelena Vančetović, Dragana Ignjatović-Micić, Marija Kostadinović, Nenad Delić, Goran Stanković, Sofija Božinović, Olivera Đorđević Melnik**
Agronomic traits of QPM maize hybrids adapted to temperate regions
- 5.05. **Wajid Umar, Czinkota Imre, Miklós Gulyás**
Use of ZnO nanoparticles and other conventional Zn sources to increase grain yield, grain Zn content and water use efficiency by maize
- 5.06. **Dario Ilijkić, Saša Šormaz, Mirta Rastija, Josip Galić, Ivana Varga, Luka Drenjančević**
Agronomski i gospodarska svojstva sorata pšenice Bc instituta d.d. Zagreb
Agronomic and economic properties of wheat varieties of Bc institute d.d. Zagreb
- 5.07. **Dubravko Maćešić, Zlatko Svečnjak, Darko Uher**
Effects of seeding rate, seed inoculation and Bio-algeen application on common vetch-wheat forage yield in Western Slavonia
- 5.08. **Manda Antunović, Matej Sedlar, Milan Pospišil, Ivana Varga, Dario Ilijkić, Mirta Rastija**
Morphological characteristic of domestic hull-less oilseed pumpkin seedlings regard to different pH of water solution
- 5.09. **Ivana Varga, Mirta Rastija, Milan Pospišil, Dario Ilijkić, Manda Antunović**
Effect of salinity and temperature on germination and seedling growth of domestic poppy cultivar (*Papaver somniferum* L.)

SRIJEDA :: WEDNESDAY 19.02.2020.

1. Agroekologija, ekološka poljoprivreda i zaštita okoliša

1. Agroecology, Ecological Agriculture and Environment Protection

DVORANA DELTA :: DELTA HALL

Moderatori :: Moderators

Zdenko Lončarić, Aleksandra Perčin

09:00 **Laima Česonienė**

The influence of agriculture on surface water status Lithuania

09:10 **Midona Dapkiene, Algirdas Radzevičius**

Water Quality Monitoring at the On-Farm Root Vegetables Packhouses in Lithuania

09:20 **Domina Delač, Ivica Kisić, Paulo Pereira**

Dinamika pH vrijednosti i električne vodljivost u otjecanju nakon spaljivanja biomase
Dynamics of runoff pH and electrical conductivity after pile burns

09:30 **Mile Markoski, Tatjana Mitkova, Vjekoslav Tanaskovik, Velibor Spalević**

Soil distribution in Crna river basin and its importance for agricultural production

09:40 **Irina Tanuwidjaja, Cordula Vogel, Geertje J. Pronk, Ingrid Kögel-Knabner,**

Stefanie Schulz, Mirna Mrkonjić Fuka, Michael Schloter

Influence of soil composition on soil microbiome in early stages of soil formation

09:50 **Vladimir Zebec, Monika Marković, Ivan Rastija, Vladimir Ivezic**

Utjecaj fizikalno-kemijskih svojstava tla na retenciju vode

The effect of soil physical and chemical properties on soil water retention

10:00 **Aida Šukalić, Maida Đapo Lavić, Alma Rahimić, Vedrana Komlen, Alma Mičijević**

Carcinogenic hazard index of heavy metals from agricultural soil in the southeastern part of Bosnia and Herzegovina

10:10 **Mihaela Šatvar, Željko Jukić, Ivana Puljan, Zvonimir Stipić, Sanja Slunjski, Ivona Sigurnjak, Erik Meers, Lepomir Čoga**

Effect of digestate fertilization on the silage maize yield and the load of heavy metals in maize

10:20 Rasprava :: Discussion

10:30 Odmor :: Coffee Break

11:00 **Diana Kikić, Ivica Kisić, Željka Zgorelec, Aleksandra Perčin**

Prijenosna rengenska florescencija kao alat u karakterizacija opskrbljjenosti tla hranivima

Portable X-ray fluorescence as a tool for characterization of nutrient status in soil

11:10 **Marija Galić, Darija Bilandžija, Milan Mesić, Aleksandra Perčin, Željka Zgorelec**

Sezonska varijabilnost disanja tla tijekom vegetacije kukuruza

Seasonal variability of soil respiration during maize vegetation

- 11:20 **Hrvoje Kutnjak, Ivona Žiža, Nela Jantol, Josip Leto**
 Sezonska fenološka dinamika smjese lucerne i talijanskog ljulja bazirana na NDVI-u sa Sentinel-a-2
 Seasonal phenology dynamics of alfalfa consociation with Italian ryegrass based on NDVI from Sentinel-2
- 11:30 **Helena Žalac, Vladimir Zebec, Miro Stošić, Domagoj Radić, Andrea Špoljarić, Jurica Jović, Ivan Paponja, Vladimir Ivezic**
 Prinos heljde u konsocijaciji nasada oraha i heljde
 Buckwheat yields in intercropped systems of walnut and buckwheat
- 11:40 **Kristina Grožić, Valerija Majetić Germek, Paula Žurga, Šime Marčelić, Jana Klanjac, Nikola Major, Joško Kaliterna, Dean Ban, Smiljana Goreta Ban, Igor Pasković**
 Razlike u ukupnim fenolima i antioksidativnom kapacitetu lista masline ovisno o kultivaru i lokaciji
 Changes in total phenolics and antioxidant capacity in olive leaves owing to cultivar and location
- 11:50 **Sanja Grubišić, Marija Kristić, Miroslav Lisjak, Katarina Mišković Špoljarić, Zdenko Lončarić, Andrijana Rebekić**
 In vitro biodostupnost Ca, K, Mg, Mn, Fe i Zn iz soka pšenične trave
 In vitro bioaccessibility of Ca, K, Mg, Mn, Fe and Zn from wheatgrass juice
- 12:00 **Sanja Kajić, Andrea Gradinščak, Dominik Königshofer, Ivana Fadljević, Ivana Rajnović, Sanja Sikora**
 Characterization of plant growth promoting rhizobacteria and their benefits on soybean growth
- 12:10 **Pavo Lucić, Magdalena Lešić, Marija Ravlić, Anita Liška, Domagoj Zimmer, Vlatka Rozman**
 Laboratorijsko testiranje DZ SilicoSec® i Celatom Mn-51® u suzbijanju žitnog kukuljičara
 Laboratory testing of DE SilicoSec® and Celatom Mn-51® against lesser grain borer
- 12:20 Rasprava :: Discussion
- Odmor :: Lunch
- 14:00 **Aleksandra Konjević, Miloš Petrović, Željko Milovac, Jovanka Petrović, Marko Injac**
 Establishment of Brown Marmorated Stink Bug (*Halyomorpha halys* Stål) in Serbia and possibilities in its control
- 14:10 **Lara Ivanković, Barbara Andelić, Domagoj Gajski, Mišel Jelić, Tomislav Kos, Lucija Šerić Jelaska**
 Diversity and ecology of non-target invertebrate fauna in Integrated and Ecologically based Pest Managements in agricultural sites within MEDITERATRI project
- 14:20 **Nediljko Ževrnja i Hrvoje Cokarić**
 Tradicijske i izvorne pasmine u službi održivog razvoja
 Traditional and authentic domestic animal breeds in service of sustainable development
- 14:30 **Grzegorz Grzywaczewski i Ignacy Kitowski**

Conflicts in the marshes: agriculture production versus nature conservation in east Poland

- 14:40 **Zrinka Mesić, Ana Ostojić, Nela Jantol, Hrvoje Kutnjak, Ivona Žiža, Edin Lugić, Monika Petković, Vladimir Kušan**
 Mogućnosti diverzifikacije mjera za zaštitu biološke raznolikosti u sklopu Programa ruralnog razvoja
 Opportunities for diversification of biodiversity protection measures under the Rural Development Program
- 14:50 **Vladimir Kušan, Zrinka Mesić, Stjepan Husnjak, Ivona Žiža, Nela Jantol, Sonja Sviben, Ana Ostojić, Edin Lugić, Medeja Pistotnik, Gregor Skender**
 Doprinos Programa ruralnog razvoja zaštiti okoliša i prirode
 Contribution of the Rural Development Program to environment and nature protection
- 15:00 **Ivona Žiža, Alen Berta, Ivan Tomljenović, Branimir Radun, Stjepan Husnjak, Vladimir Kušan**
 Kartiranje poljoprivrednog zemljišta metodama daljinskih istraživanja na području Republike Hrvatske – problemi i rezultati
 Mapping the agriculture land for the whole Croatian area with remote sensing methods – problems and results
- 15:10 Rasprava :: Discussion
- 16:00 **1. Posteri :: 1. Posters**
 DVORANA ARTEMIDA :: ARTEMIDA HALL
 Moderatori :: Moderators
Vladimir Zebec, Ivana Rajnović
- 1.01. **Violina Angelova**
 Uptake of heavy metals by enhanced tobacco grown in industrially polluted soils in Bulgaria
- 1.02. **Luka Brezinščak, Ivica Kisić, Roberta Vrkić, Igor Bogunović**
 Utjecaj tri tipa različite obrade tla na zbijenost tla
 The impact of three different tillage treatments on soil compaction
- 1.03. **Marija Duvnjak, Kristina Kljak, Zlatko Janječić, Goran Kiš, Darko Grbeša**
 Utjecaj tipa dodatka na probavljivost škroba različitih hibrida visokovlažnog zrna kukuruza
 Influence of additives on starch digestibility during production of high moisture grain silage from various corn hybrids
- 1.04. **Renata Erhatić, Ivka Kvaternjak, Branimir Jambrišak, Mirjana Mužić**
 Sadržaj mikroelemenata u listu i cvjetu prave lavande (*Lavandula angustifolia* Mill.) i lavandina (*Lavandula × intermedia* Emeric ex Loisel.)
 Content of microelements in leaf and flower of true lavender (*Lavandula angustifolia* Mill.) and lavender (*Lavandula × intermedia* Emeric ex Loisel.)
- 1.05. **Adrijana Filipović, Katarina Bagarić, Sanja Sikora, Ana Mandić, Višnja Vasilj**

Učinkovitost primjene brzih dijagnostičkih metoda u ocjeni statusa dušika kod graška (Pisum sativum L.)

Effectiveness of rapid diagnostic tools in the assessment of nitrogen nutritional status of pea plants (Pisum sativum L.)

- 1.06. **Dinka Grubišić, Maja Čaćija, Zrinka Drmić, Martina Kadoić Balaško, Darija Lemić, Renata Bažok**
Novi nalazi entomopatogenih nematoda (Rhabditida, Steinernematidae) u Republici Hrvatskoj
New findings of entomopathogenic nematodes (Rhabditida, Steinernematidae) in the Republic of Croatia
- 1.07. **Radmila Ilieska i Stoe Smiljkov**
Density and diversity of chironomid larvae fauna in the Mavrovo reservoir
- 1.08. **Danijela Jungić, Petar Unger, Stjepan Husnjak**
Humoznost i kiselost lesiviranih tala na lesu u Panonskoj agroregiji Hrvatske
Humus content and acidity of Luvisols on loess in Pannonian agroregion of Croatia
- 1.09. **Tomislav Karažija, Martina Štimac, Marko Petek, Boris Lazarević, Sanja Slunjski, Mihaela Šatvar**
Utjecaj organske gnojidbe na količinu i dinamiku mikroelemenata u lišću vinove loze na karbonatnom tlu
Microelements content and dynamics in grapevine leaves affected by organic fertilization on calcareous soil
- 1.10. **Ivka Kvaternjak, Renata Erhatić, Miomir Stojnović, Alanais Louis, Antoine Jouve**
Sadžaj makrolemenata u lavandi (*Lavandula angustifolia* Mill.) i lavandinu (*Lavandula × intermedia* Emeric ex Loisel.) pri organskoj gnojidbi
Macroelement content of true lavender (*Lavandula angustifolia* Mill.) and lavender (*Lavandula × intermedia* Emeric ex Loisel.) in organic fertilization
- 1.11. **Renata Bažok, Maja Čaćija, Zrinka Drmić, Martina Mrganić, Helena Virić Gašparić, Darija Lemić**
Resistance of the Colorado potato beetle to organophosphorus insecticides and pyrethroids in Croatia
- 1.12. **Dora Prpić, Gabriela Pravdić, Maja Gregić, Anita Szabó, Péter Ragályi, Tomislav Vinković, Katarina Perić, Vladimir Ivezic, Zdenko Lončarić**
Analiza zrelosti i fitotoksičnosti komposta i vermicomposta
Analysis of Compost and Vermicompost Maturity and Phytotoxicity
- 1.13. **Maja Gregić, Izabela Novaković, Gabriela Pravdić, Márk Rékási, Nikolett Uzinger, Tomislav Vinković, Boris Ravnjak, Franjo Nemet, Zdenko Lončarić**
Jednosupnice ili dvosupnice u testu fitotoksičnosti?
Monocotyledons or Dicotyledons in a Phytotoxicity Test?
- 1.14. **Milena Andrišić, Ivana Rukavina, Krunoslav Dugalić, Daniel Rašić, Ivana Zegnal, Hrvoje Hefer, Domagoj Rastija, Brigita Popović, Zdenko Lončarić**
Modeliranje raspoloživosti željeza u tlima istočne Hrvatske
Modelling Iron Availability in Soils of Eastern Croatia

- 1.15. **Ivana Zegnal, Krunoslav Dugalić, Ivana Rukavina, Hrvoje Hefer, Milena Andrišić, Daniel Rašić, Vladimir Zebec, Vladimir Ivezić, Zdenko Lončarić**
Svojstva tla i potencijalna raspoloživost mangana i bakra
Soil Properties and Potential Manganese and Copper availability
- 1.16. **Izabela Novaković, Dora Prpić, Maja Gregić, Márk Rékási, Péter Ragályi, Andrijana Rebekić, Tomislav Vinković, Monika Tkalec Kojić, Zdenko Lončarić**
Evaluacija kvalitete komposta biološkim testom
Bioassay in Compost Quality Evaluation
- 1.17. **Alicija Auriga, Marija Špoljarević, Lucija Galić, Dejana Kraljević, Matej Sedlar, Zdenko Lončarić**
Uticaj biofortifikacije selenom i cinkom na fiziološki aktivne komponente kupusa (*Brassica oleracea* L.)
Selenium and zinc biofortification effect on the physiologically active components content in cabbage (*Brassica oleracea* L.)
- 1.18. **Ivan Magdić, Ranka Popović, Vedran Rubinić**
Mogućnost pojednostavljenja postupka određivanja gustoće čvrstih čestica tla pknometarskom metodom
Possibilities for simplifying soil particle density determination by pycnometer method
- 1.19. **Ivana Majić, Ankica Sarajlić, Gabriella Kanižai Šarić, Svetlana Milijašević-Marčić, Ivana Potočnik**
Bacterial-feeding nematodes as pathogens in cultivated mushrooms
- 1.20. **Ivana Majić, Marta Matek, Ankica Sarajlić, Milan Pernek**
Pathogenicity of entomopathogenic nematodes *Steinernema feltiae* combined with entomopathogenic fungi *Beauveria bassiana* and *B. pseudobassiana*
- 1.21. **Ana Mrgan, Helena Marčetić, Arijana Penava, Kornelija Perković**
Ocjena kvalitete komunalne otpadne vode s područja aglomeracije Lipik – Pakrac na mjestu ispuštanja u kanal Iliđa
Quality assessment of municipal waste water from the area of the agglomeration Lipik-Pakrac measured on the site of discharge to Iliđa canal
- 1.22. **Ana Nimac, Ivana Štajcer, Zlatko Šatović, Klaudija Carović-Stanko, Boris Lazarević**
Utjecaj nedostatka dušika na neke fiziološke parametre i svojstva korijenovog sustava triju hrvatskih tradicijskih kultivara graha
Effects of nitrogen deficiency on some physiological parameters and root traits of three Croatian common bean landraces
- 1.23. **Paula Žurga, Valerija Majetić Germek, Kristina Grožić, Šime Marcelić, Jana Klanjac, Dean Ban, Smiljana Goreta Ban, Igor Palčić, Igor Pasković**
Utjecaj gnojidbe dušikom na fenolni sastav lista masline
Impact of nitrogen fertilization on olive leaf phenolics
- 1.24. **Marko Petek, Klaudija Carović-Stanko, Zlatko Šatović, Ivica Budor, Boris Lazarević**
Morfological and spectral analyses of pepper fruits affected by foliar application of calcium amendments

- 1.25. **Svetlana Milijašević-Marčić, Olja Stanojević, Emil Rekanović, Gabriella Kanižai Šarić, Ankica Sarajlić, Ivana Majić, Ivana Potočnik**
Bacillus spp. in biological control of cultivated mushroom diseases
- 1.26. **Péter Ragályi, Zdenko Lončarić, Andrijana Rebekić, Márk Rékási, Barbara Borsányi, Sándor Molnár, Anita Szabó, Eszter Draskovits, Nikolett Uzinger**
The effect of sewage sludge and sludge compost on soil fertility, organic matter content and yield of perennial ryegrass (*Lolium perenne*)
- 1.27. **Ivana Rajnović, Sanja Kajić, Ana Puljko, Sanja Sikora**
Resistance of indigenous *Bradyrhizobium japonicum* strains on stress caused by moisture deficiency
- 1.28. **Marko Randić i Sunčica Strišković**
Obnova vegetacije na požarištu travnjaka uskolisne šašike u Natura 2000 području
Natural regeneration of narrow-leaved moor grass vegetation on post-fire site in the Natura 2000 area
- 1.29. **Sanja Slunjski, Roberto Maddalena, Fabio Cellà, Davor Markežić, Željko Jukić, Lepomir Čoga**
Održivi razvoj poljoprivrede: inovativna tehnologija za uporabu otpadnog mulja
Sustainable Agriculture: Innovative Technology for Waste Sludge Recovery
- 1.30. **Stoe Smiljkov, Radmila Ilieska, Blagica Radeska**
Impact and importance of potato cyst nematodes on different potato varieties
- 1.31. **Ivan Širić, Valentino Držaić, Ivica Kos, Dalibor Bedeković, Bojana Božac, Rina Petrić**
Bioakumulacijski potencijal poljske pečurke *Agaricus campestris* L.
Bioaccumulation potential of field mushroom *Agaricus campestris* L.
- 1.32. **Igor Pasković, Paula Pongrac, Katarina Vogel-Mikuš, Mario Franić, Kristina Grozić, Dean Ban, Smiljana Goreta Ban, Marko Černe, Primož Vavpetič, Mitja Kelemen, Primož Pelicon**
Kontrastna raspodjela makro i mikroelemenata u lišću masline
Contrasting allocation of macro and microelements in olive leaves
- 1.33. **Marija Kristić, Miroslav Lisjak, Izabela Novaković, Andrijana Rebekić, Marija Špoljarević, Katarina Šperanda, Ana Hedi, Zdenko Lončarić**
Utjecaj medija rasta na biološki aktivne spojeve u biljkama
Influence of growth media on biologically active compounds in plants

7. Stočarstvo

7. Animal Husbandry

DVORANA RIVA :: RIVA HALL

Moderatori :: Moderators

Ante Ivanković, Pero Mijić, Nikolina Kelava Ugarković

- 09:00 **Miloš Marinković, Predrag Perišić, Dušica Ostojić Andrić, Nenad Mičić, Nenad Stojiljković, Dragan Nikšić, Vlada Pantelić**
 The effect of age on semen quality of Holstein-Friesian bulls
- 09:10 **Vladimir Brajković, Marija Špehar, Ivan Pocrnić, Miroslav Kapš, Ivica Međugorac, Vlatka Čubrik Čurik, Gregor Gorjanc, Ino Čurik**
 Utjecaj majčinskog nasljedivanja na proizvodna svojstva mlijeka kod holstein krava
 The impact of maternal inheritance on the milk production traits in Holstein cows
- 09:20 **Mateja Pećina, Ante Ivanković, Jelena Ramiljak**
 Polimorfizam beta kazeina u populaciji buše u Hrvatskoj
 Polymorphism of beta-casein in Busa population in Croatia
- 09:30 **Jelena Ramiljak, Marijana Vrbančić, Valentino Držaić, Ante Ivanković, Miljenko Konjačić**
 Utjecaj DGAT1 i TG gena na odlike trupova i mesa junadi križanaca Holstein x Piemontese
 Influence of DGAT1 and TG genes on carcass and meat characteristics of Holstein x Piemontese cattle
- 09:40 **Nikolina Kelava Ugarković, Tomislav Rusan, Ivan Vnučec, Zvonimir Prpić, Miljenko Konjačić**
 Koncentracija β -karotena, luteina i zeaksantina u mlijeku krava Jersey pasmine
 Concentration of β -carotene, lutein and zeaxanthin in milk of Jersey cows
- 09:50 **Darko Grbeša, Kristina Kljak, Iva Vujec**
 Retinol u krvi sisajuće Angus teladi
 Retinol in the blood of suckling Angus calves
- 10:00 **Ben Moljk, Janez Jeretina, Jure Brečko**
 Utjecaj automatskog sustava mužnje na proizvodnju mlijeka
 The influence of the automatic milking system on milk production
- 10:10 **Daniel Stosavljević, Alen Džidić**
 Primjena metoda glavnih komponenti muznih karakteristika pri strojnoj mužnji krava
 Principle component analysis of the milking characteristics in dairy cows
- 10:20 **Samir Kalit, Ante Rako, Krešimir Salajpal, Milna Tudor Kalit**
 Utjecaj vremena čuvanja na teksturu i svojstvo škripavosti sira lički škripavac
 Influence of storage time on textural characteristics and squeaking property of Lički škripavac cheese
- 10:30 Rasprava :: Discussion
- 10:40 Odmor :: Coffee Break

Moderatori :: Moderators

Zvonimir Prpić, Zvonko Antunović, Dalibor Bedeković

- 11:00 **Ivana Držaić, Marija Špehar, Ino Čurik, Maja Ferenčaković, Vlatka Čubrić Čurik**
 Genetska raznolikost i povezanost hrvatskih pasmina ovaca
 Genomic diversity and relationship of the Croatian sheep breeds
- 11:10 **Ante Kasap, Boro Mioč, Zdravko Barać, Marija Špehar**
 Utjecaj uzgoja u srodstvu na porodnu masu jaradi sanske pasmine
 The effect of inbreeding on birth weight of Saanen kids
- 11:20 **Goran Kiš, Tomislav Mikuš, Lidija Kozačinski, Željka Cvrtila, Luka Pajurin, Danijel Špoljarić, Branimira Špoljarić, Silvijo Vince, Kristina Kljak, Maja Popović**
 Utjecaj dodavanja plemenite pečurke (Agaricus bisporus) u obroke na oksidativnu stabilnost mesa janjadi ličke pramenke
 Effect of dietary supplementation of button mushroom (Agaricus bisporus) on oxidative stability of Lika pramenka lamb meat
- 11:30 **Antun Kostelić, Boris Habrun, Josip Leto, Krešimir Salajpal, Branko Delost, Dragutin Vincek**
 Uzroci i preventiva listerioze na farmama mlijekočnih koza u Hrvatskoj
 Cause and prevention of listeriosis on dairy goat farms in Croatia
- 11:40 **Zlatko Janjević, Zlata Kralik, Dalibor Bedeković**
 Utjecaj alternativnih sustava držanja na oštećenja prsnih kostiju kokoši nesilica
 The influence of alternative rearing systems on breastbone damages of laying hens
- 11:50 Rasprava :: Discussion
- 12:30 **7. Posteri :: 7. Posters**
 DVORANA ARTEMIDA :: ARTEMIDA HALL
 Moderatori :: Moderators
Samir Kalit, Mirjana Baban, Dubravko Škorput
- 7.01. **Matija Gršić, Ante Ivankačić, Miljenko Konjačić, Goran Kiš**
 Tovne karakteristike junica i bikova Charolais pasmine
 Growth performance of heifers and bulls of Charolais breed
 - 7.02. **Josipa Štavalj, Tina Bobić, Ranko Gantner, Pero Mijić**
 Rotacijsko napasivanje u sustavu krava-tele
 Rotational grazing in cow-calf system
 - 7.03. **Miroslav Plavšić, Snežana Trivunović, Denis Kučević, Bojan Stojanović**
 A review an automated cattle grazing in pasture using virtual fencing and sensor systems for nutrition, health and reproduction control
 - 7.04. **Tina Bobić, Pero Mijić, Maja Gregić, Mirjana Baban, Stipo Benak, Vesna Gantner**
 Promjene morfoloških svojstava krava Jersey pasmine kao posljedica strojne mužnje
 Machine-induced changes of the morphological traits of Jersey cows

- 7.05. **Zvonimir Steiner, Drago Bešlo, Stipo Benak, Goran Gavić, Ana Aračić, Ines Rica, Petra Musa, Miljenko Konjačić, Mario Ronta**
 Utjecaj hranidbe teladi sa starterom na bazi proizvoda kvasaca na dnevne priraste i zdravstveno stanje teladi
 Influence of feeding calves with starter based on yeast products on daily weight gain and calf health
- 7.06. **Dominik Petričević, Dubravko Škorput, Danijel Karolyi, Ivica Kos, Ana Kaić, Zoran Luković**
 Klaonički pokazatelji i kakvoća mesa tovljenika banjiske šare iz poluotvorenog sustava držanja
 Slaughtering performance and meat quality of Banija spotted fatteners from semi-outdoor system
- 7.07. **Dubravko Škorput, Ivan Torček, Sven Menčik, Željko Mahnet, Vedran Klišanić, Danijel Karolyi, Zoran Luković, Krešimir Salajpal**
 Čimbenici plodnosti krmača banjiske šare svinje
 Factors influencing litter size of sows in Banija spotted pig
- 7.08. **Nenad Stojiljković, Dragan Radojković, Radomir Savić, Marija Gogić, Vladimir Živković, Miloš Marinković, Krstina Zeljić**
 Influence of genotype, farm, and test year on the variability of traits monitored in the performance test of gilts
- 7.09. **Mirjana Baban, Marijana Rapčan, Marina Koprivnjak, Pero Mijić, Tina Bobić, Maja Gregić**
 Aktivnosti i terapije pomoću konja
 Equine-assisted activities and therapies
- 7.10. **Ana Kaić, Silvester Žgur, Barbara Luštrek, Ivan Širić, Klemen Potočnik**
 Effect of sex, age at slaughter and aging period on water-holding capacity and tenderness of „Posavina horse“ meat
 Utjecaj spola, dobi pri klanju i dužine zrenja na sposobnost zadržavanja vode i mekoću mesa posavskog konja
- 7.11. **Kristína Tvarožková, Vladimír Tančín, Michal Uhrinčať, Lukáš Hleba, Lucia Mačuhová, Dana Tančinová**
 The occurrence of pathogens in milk of ewes with high somatic cell count at half udder level
- 7.12. **Lucia Mačuhová, Vladimír Tančín, Michal Uhrinčať, Julianá Mačuhová, Marta Oravcová**
 The effect of stress on milkability of dairy ewes
- 7.13. **Vladimír Tančín, Kristína Tvarožková, Michal Uhrinčať, Lucia Mačuhová, Martina Vršková, Petr Slama**
 Individual somatic cell counts in milk of ewes at the level of farms and breeds in Slovakia
- 7.14. **Michal Uhrinčať, Kristína Tvarožková, Vladimír Tančín, Lucia Mačuhová, Marta Oravcová**
 The electrical conductivity of ewe's milk in mastitis detection
- 7.15. **Martina Vršková, Vladimír Tančín, Michal Uhrinčať, Lucia Mačuhová, Kristína Tvarožková**
 Somatic cell counts in bulk milk in Slovakian sheep farms
- 7.16. **Valentino Držaić, Jelena Ramljak, Ante Kasap, Ivan Širić, Zvonko Antunović, Boro Mioč**
 Polimorfizmi MTNR1A gena u populaciji istarske ovce

MTNR1A gene polymorphisms in Istrian sheep population

- 7.17. **Marijana Vrbančić, Ivan Vnučec, Tatjana Jelen, Jelena Ramljak, Miljenko Konjačić**
Povezanost polimorfizma DGAT1 gena sa mesnim odlikama janjadi
Polymorphism of DGAT1 gene on some meat characteristics of lambs
- 7.18. **Zvonimir Prpić, Katarina Huzanić, Danijel Mulc, Ivan Vnučec, Branislav Galik, Boro Mioč, Zdravko Barać**
Porodna masa i odlike rasta muške jaradi izvornih i inozemnih pasmina koza u Hrvatskoj
Birth weight and growth traits of male goat kids of indigenous and foreign goat breeds in Croatia
- 7.19. **Zvonko Antunović, Ozren Erceg, Željka Klir, Josip Novoselec**
Fenotipske odlike različitih dobnih kategorija hrvatske bijele koze
Phenotypic traits of Croatian white goats in various ages
- 7.20. **Dalibor Bedeković, Marko Jelen, Zlatko Janječić, Tatjana Jelen, Marija Meštrović, Marijana Vrbančić, Gordana Duvnjak, Ivan Širić, Ivica Kos**
Pokazatelji proizvodnje mesa križevačke kukmaste kokoši
Meat production indicators of Križevci crested hen
- 7.21. **Mirjana Đukić Stojčić, Lidija Perić, Sava Spiridonović, Miloš Malčić**
The effect of storage on the egg quality traits
- 7.22. **Zlata Kralik, Gordana Kralik, Danica Hanžek**
Mišljenje potrošača u Hrvatskoj o konzumaciji omega-3 obogaćenih jaja
Consumers' opinion in Croatia on consumption of omega-3 enriched eggs
- 7.23. **Ivica Kos, Ivana Mijač, Zlatko Janječić, Blanka Sinčić Pulić, Marko Musulin, Radka Langová, Zoran Luković, Ivan Širić, Dalibor Bedeković**
Utjecaj dodatka mikroalgi u hranu kokoši nesilica na senzorska svojstva jaja
Effect of microalgae addition in laying hen diet on egg sensory traits
- 7.24. **Stjepan Jelić, Ana Aračić, Ivana Prakatur, Matija Domačinović, Dalida Galović, Danijela Samac, Mario Ronta**
Selenom biofortificirana soja i kukuruz u hranidbi tovnih pilića
Selenium biofortified soybeans and corn in chickens feeding
- 7.25. **Tibor István Pap, Rubina Tünde Szabó, Marcell Pacz, Béla Podmaniczky, Mária Kovács-Weber**
Examination of the effect of light sources on meat quality parameters for broilers
- 7.26. **Krešimir Bošnjak, Marina Vranić, Ivana Čačić, Tomislav Mašek, Ivica Andrić, Paula Jurčić**
Utjecaj boje polietilenske folije na kvalitetu biljne mase silirane u velike bale
The effect of the colour of polyethylene film on the forage quality ensiled in big bales
- 7.27. **Krešimir Bošnjak, Marina Vranić, Ivana Čačić, Tomislav Mašek, Ana Beljan**
Utjecaj primjene krutog stajskog gnoja na sadržaj sirovih proteinova i nitrata u krmi s poluprirodnog travnjaka
The effect of farmyard manure application on the crude protein and nitrate content of forage from semi-natural grassland

- 7.28. **Darija Bendelja Ljoljić, Šimun Zamberlin, Iva Dolenčić Špehar, Viktorija Luetić, Dubravka Samaržija**
The concentration of zinc, iron and manganese in the sheep's milk and yogurt
- 7.29. **Iva Dolenčić Špehar, Darija Bendelja Ljoljić, Šimun Zamberlin, Dubravka Samaržija**
Jogurt u funkciji zdravlja starijih osoba
Yoghurt as a function of health in the elderly people
- 7.30. **Boris Lukić, Nikola Raguž, Marin Kovačić, Zlatko Puškadija**
Struktura i funkcija mikrobioma domaćih životinja
The structure and function of microbiome in livestock species
- 7.31. **Nikola Raguž, Boris Lukić**
Potential gain of genome editing for improved animal breeding

9. Voćarstvo

9. Pomology

DVORANA ATENA :: ATENA HALL

Moderatori :: Moderators

Kristina Batelja Lodeta, Mira Radunić

- 09:00 **Kristina Batelja Lodeta, Maja Zagorc, Vesna Očić, Ines Pohajda, Đani Benčić, Snježana Bolarić, Aleš Vokurka, Snježana Kereša, Jelena Gadže, Josip Gugić, Zlatko Čmelik**

Pomološka svojstva sorata šljive na lokalitetu Jazbina

Pomological properties of plum varieties at the Jazbina site

- 09:10 **Marija Viljevac Vučetić, Dominik Vuković, Ines Mihaljević, Vesna Tomaš, Daniela Horvat, Krinoslav Dugalić**

Preliminarna karakterizacija plodova lločke višnje

Preliminary characterisation of lločka sour cherry fruits

- 09:20 **Iva Sudar, Boris Duralija, Marko Petek, Boris Lazarević, Goran Fruk**

Utjecaj mikorize na kakvoću ploda jagode neutralnog dana

Mycorrhiza Impact on Neutral Day Strawberry Fruit Quality

- 09:30 **Sandra Voća, Jana Šic Žlabur, Jasmina Čaušević, Martina Skendrović Babojelić, Nadica Dobričević, Stjepan Plieštić, Ante Galić**

Biološki potencijal ploda kivija s različitim lokacijama

Biological potential of kiwi fruit from different locations

- 09:40 **Ivana Paladin Soče, Mladen Šimala, Tanja Gotlin-Čuljak**

Praćenje biologije trnovitog štitastog moljca agruma Aleurocanthus spiniferus (Homoptera:

Aleyrodidae) u Dubrovačko-neretvanskoj županiji

Biology of orange spiny whitefly, Aleurocanthus spiniferus (Homoptera: Aleyrodidae) in Dubrovnik - Neretva valley

- 09:50 **Vesna Tomaš, Ines Mihaljević, Marija Viljevac Vučetić, Dominik Vuković**

Preliminarni rezultati suzbijanja krvave uši, Eriosoma lanigerum (Hausmann)

Preliminary results of woolly aphid, Eriosoma lanigerum (Hausmann) control

10:00 Rasprava :: Discussion

10:10 Odmor :: Coffee Break

Moderatori :: Moderators:

Goran Fruk, Tatjana Klepo

10:30 **Božena Barić, Ivana Pajač Živković**

Mogućnosti smanjena populacije jabukovog savijača na ekološki povoljniji način

The possibilities for reducing the population of codling moth in environmentally favorable way

10:40 **Marko Vuković, Josip Buhin, Mia Brkljača, Mushtaque A. Jatoi, Tomislav Jemrić**

Utjecaj crvene foto selektivne mreže na kakvoću jabuke 'Granny Smith' nakon čuvanja u hladnjači i života na polici

Postharvest quality of 'Granny Smith' apple grown under photo-selective red net

10:50 **Ines Mihaljević, Marija Viljevac Vuletić, Vesna Tomaš, Krunoslav Dugalić, Daniela Horvat, Marko Josipović, Dominik Vuković**

Biokemijski i fiziološki odgovori na stres izazvan sušom između komercijalne i starih kultivara jabuke

Biochemical and physiological responses to drought stress between commercial and old apple cultivars

11:00 **Josip Tadić, Gvozden Dumičić, Tatjana Klepo, Sandra Radić Brkanac**

Morfološka i fiziološka svojstva sadnica Kaštelske stare masline u uvjetima abiotičkog stresa

Morphological and physiological characteristics of old Kaštela olive plants under abiotic stress conditions

11:10 **Marina Raboteg, Višeslav Glavinović, Tatjana Klepo, Gabriela Vuletin Selak**

Reproducitivne značajke kultivara maslina

Reproductive traits of different olive cultivars

11:20 **Anja Novoselić, Dora Klisović, Igor Lukić, Ivana Horvat, Karolina Brkić Bubola**

Strategije antioksidacijskog obogaćivanja djevičanskog maslinovog ulja sorte Buža

The strategies for antioxidant enrichment of Buža cv. virgin olive oil

11:30 Rasprava :: Discussion

12:00 **9. Posteri :: 9. Posters**

DVORANA ARTEMIDA :: ARTEMIDA HALL

Moderatori :: Moderators

Martina Skendrović Babojelić, Sandra Voća

9.01. **Martina Skendrović Babojelić, Ivan Dlačić, Sandra Voća, Sandro Bogdanović, Jana Šic Žlabur**

Morfološka svojstva i kemijski sastav ploda planike s područja Krka, Cresa i Lošinja

Morphological properties and chemical composition of strawberry tree fruit grown on the islands of Krk, Cres and Lošinj

- 9.02. **Mirela Kajkut Zeljković, Borut Bosančić, Gordana Đurić**
Morpho-pomological characteristics of BIH pear germplasm
- 9.03. **Željko Perković, Robert Benković, Krunoslav Miroslavljević, Teuta Benković-Lačić**
Dinamika porasta mladice kruške sorata 'Williams' i 'Santa Maria'
The growth dynamics of branches on pears cultivars 'Williams' and 'Santa Maria'
- 9.04. **Marko Vinceković, Slaven Jurić, Kristina Vlahoviček Kahlina, Marijan Marijan, Boris Duralija, Petra Nekić**
Application of zinc microparticles in hydroponic cultivation of strawberries (*Fragaria x ananassa*)
- 9.05. **Joško Kaliterna, Ivana Piškurić**
Pathogenicity of fungi isolated from pomegranate (*Punica granatum L.*) in Dalmatia
- 9.06. **Mladen Zovko, Ivan Ostojić, Tihomir Miličević, Luka Bošnjak, Jurica Primorac, Perica Bulić**
Prvi nalaz i intenzitet pojave jagodinog štitastog moljca *Aleyrodes lonicerae* (Hemiptera:
Aleyrodidae) na kultiviranoj jagodi u Bosni i Hercegovini
First record of the honeysuckle whitefly *Aleyrodes lonicerae* (Hemiptera: Aleyrodidae) in Bosnia and Herzegovina and its incidence on cultivated strawberry
- 9.07. **Tomislav Kos, Zoran Šikić, Ana Gašparović Pinto, Marko Zorica, Šime Marcelli, Alen Dabčević**
Razvoj aplikacija za prepoznavanje paunovog oko (*Spilocaea oleaginea* (Castagne) Hughes syn.
Cycloconium oleagineum Cast.) pomoću RGB slika na listovima maslina (*Olea europaea L.*) u Zadarskoj županiji
Development of a mobile application for the identification of olive leaf spot (*Spilocaea oleaginea* syn. *Cycloconium oleagineum*) using RGB imaging of olive (*Olea europaea L.*) leaves in Zadar county
- 9.08. **Sanda Stanivuković, Gordana Đurić, Borut Bosančić**
The changes in fruit hardness during storage in three pear cultivars depending on rootstocks
- 9.09. **Zlatan Ristić, Sanda Stanivuković, Gordana Đurić**
Changing in weight of cherry fruit during storage depending on the cooling treatment
- 9.10. **Ivica Šnajder, Dinko Zima, Mario Jakobović, Valentina Mudrinović**
Stavovi potrošača o konzumaciji ekološkog voća u Požeško-slavonskoj županiji
Consumer Attitudes Towards Organic Fruit Consumption in Pozesko-slavonska county
- 9.11. **Tomislav Kos, Zoran Šikić, Šimun Kolega, Marko Zorica, Šime Marcelli, Ana Gašparović Pinto, Maja Jukić Špika, Karolina Brkić Bubola**
Utjecaj navodnjavanja s različito utvrđenim obrocima vode na sastav i kvalitetu djevičanskog maslinovog ulja sorte „Coratina“ (*Olea europaea L.*) u Zadarskoj županiji
Influence of irrigation with differently determined rations of water on composition in quality of virgin olive oil of the 'Coratina' olive variety (*Olea europaea L.*) in Zadar County

9.12. Dora Klisović, Anja Novoselić, Igor Lukić, Karolina Brkić Bubola

Utjecaj skladištenja na oksidacijske parametre i fenolni sastav djevičanskih maslinovih ulja sorti Istarska bjelica i Buža

Evolution of phenolic compounds and oxidation parameters after storage of Istarska bjelica and Buža cv. virgin olive oil

8. Vinogradarstvo i vinarstvo

8. Viticulture and Enology

DVORANA AQUA :: AQUA HALL

Moderatori :: Moderators

Zvjezdana Marković, Aurora Ranca

14:00 Mirela Trdenić, Zvjezdana Marković, Mirjana Herak Ćustić, Marko Petek

Utjecaj gnojidbe na status makroelemenata u listu sorte 'Škrlet bijeli' (Vitis vinifera L.)

Effect of fertilization on the status of macronutrients in the leaf 'Škrlet bijeli' (Vitis vinifera L.)

14:10 Iva Šikuten, Sara Šima Matković, Petra Štambuk, Domagoj Stupić, Željko Andabaka, Zvjezdana Marković, Jasmina Karoglan Kontić, Edi Maletić, Darko Preiner

Utjecaj djelomične defolijacije na prinos i sastav grožđa sorte vinove loze 'Belina starohrvatska' (Vitis vinifera L.)

Influence of partial defoliation on yield and grape content of grapevine cultivar 'Belina starohrvatska' (Vitis vinifera L.)

14:20 Petra Štambuk, Iva Šikuten, Darko Preiner, Zvjezdana Marković, Domagoj Stupić, Željko Andabaka, Edi Maletić, Jasmina Karoglan Kontić, Ivana Tomaz

Osjetljivost hrvatskih autohtonih sorata vinove loze na plamenjaču (Plasmopara viticola)

Susceptibility of Croatian native grapevine varieties to downy mildew (Plasmopara viticola)

14:30 Željko Andabaka, Domagoj Stupić, Zvjezdana Marković, Darko Vončina, Darko Preiner, Edi Maletić, Jasmina Karoglan Kontić, Iva Šikuten, Petra Štambuk, Ivana Tomaz

Sanitarni status autohtonih sorata Zlatarica vrgorska i Trnjak (Vitis vinifera L.) u vinogradnju Vrgorac

Sanitary status of autochthonous grapevine varieties Zlatarica vrgorska and Trnjak (Vitis vinifera L.) in winegrowing region Vrgorac

14:40 Ivana Rendulić Jelušić, Marina Anić, Ivana Puhelek, Mirela Osrečak, Branka Šakić Bobić, Zoran Grgić, Marko Karoglan

Pregled novih tehnologija za praćenje vinogradarske proizvodnje i primjenu preciznog vinogradarstva

Overview of new technologies for monitoring viticulture production and the application of precision viticulture

14:50 Marina Lavrić, Tihomir Prusina

Utjecaj godine berbe na kvalitetu vina Blatina

The influence of the vintage year on Blatina wine quality

15:00 Sara Rossi, Sanja Radeka, Marijan Bubola, Tomislav Plavša, Ivana Horvat, Igor Lukić, Ana-Marija Jagatić Korenika

Utjecaj različitih tehnika vinifikacije na sadržaj stilbena i ukupnih fenola u vinima sorte 'Teran'

Influence of different vinification techniques on stilbenes and total phenols content in Teran wines

15:10 Rasprava :: Discussion

15:20 Odmor :: Coffee Break

16:00 8. Posteri :: 8. Posters

DVORANA ARTEMIDA :: ARTEMIDA HALL

Moderatori :: Moderators

Petra Štambuk, Iva Šikuten, Marina Anić

- 8.01. Kujundžić Toni, Drenjančević Mato, Bošnjak Dejan, Vrandečić Karolina, Kujundžić Luka, Iva Varžić, Jukić Vladimir**

Utjecaj podloga Kober 5BB, 125AA i SO4 na stvaranje drvne mase kod sorte Traminac mirisavi (Vitis vinifera L.)

Influence of Kober 5BB, 125AA and SO4 rootstocks on wood mass production of Traminer variety (Vitis vinifera L.)

- 8.02. Josip Mesić, Valentina Obradović, Helena Marčetić, Brankica Svitlica, Ivan Malčić, Tomislav Soldo**

Utjecaj prorjeđivanja grozdova kultivara Merlot i Cabernet Sauvignon (Vitis vinifera L.) na kakvoću mošta

Impact of cluster thinning on Merlot and Cabernet Sauvignon (Vitis vinifera L.) must quality

- 8.03. Ivan Prša, Višnja Vučetić, Darko Cenbauer, Robert Brkić**

Prilagodba sortimenta vinove loze klimatskim promjenama u RH

Adaptation of grapevine assortment to climate change in the Republic of Croatia

- 8.04. Jelena Davidović Gidas, Boško Simić, Tatjana Jovanović Cvetković, Gordana Đurić**

In vitro propagation of three indigenous grapevine (Vitis vinifera L.) varieties

- 8.05. Aurora Ranca, Victoria Artem, Anamaria Petrescu, Anne-Laure Fragniere, Patrik Kehrli**

Using cover crops to control Lobesia Botrana in organic vineyards

- 8.06. Victoria Artem, Aurora Ranca, Elisabeta Irina Geana, Arina Oana Antoce**

Efect of viticultural and winemaking practice on phenolic composition of Feteasca neagra organic wine

- 8.07. Lamçe Fatharda, Kycyk Onejda, Gozhdari Krenar, Zejneshoxha Sanije, Kukali Edlira**

The influence of stems and oak chips on the fermentation and color stabilization during maturation of red wines produced by cv. Shesh i Zi.

10. Poljoprivredna tehnika

10. Agricultural Engineering

DVORANA ATENA :: ATENA HALL

Moderatori :: Moderators

Ana Matin, Nikola Bilandžija, Zorana Kovačević

- 14:00 **Tajana Krička, Sandra Bischof**

Dizajn naprednih biokompozita iz energetski održivih izvora

Design of advanced biocomposites from energy-sustainable sources

- 14:10 **Nives Jovičić, Sanja Kalambura, Alan Antonović, Ana Matin, Tajana Krička**

Biokompoziti kao proizvodi u biogospodarstvu

Biocomposites as products in the bioeconomy

- 14:20 **Zorana Kovačević, Sandra Bischof**

Brnistra (*Spartium junceum L.*) - vrijedna sirovina u proizvodnji biokompozita

Spanish broom (*Spartium junceum L.*) - a valuable raw material in the biocomposites production

- 14:30 **Mateja Grubor, Vanja Jurišić, Nikola Bilandžija, Zorana Kovačević, Tajana Krička**

Arundo donax L. kao sirovina u biorafinerijskom procesu

Arundo donax L. as a raw material in the biorefinery process

- 14:40 **Ana Matin, Nikola Bilandžija, Neven Voća, Josip Leto, Sandra Bischof**

Proizvodnja energije iz sječke Sida hermaphrodite kao čvrstog biogoriva

Energy production from Sida hermaphrodita chips as solid biofuel

- 14:50 **Nikola Bilandžija, Božidar Matin, Rudolf Kralj, Josip Leto, Anamarija Peter, Mateja Grubor, Vanja Jurišić, Tajana Krička**

Producija biomase, kemijska i energetska karakterizacija Divljeg prosa (*Panicum virgatum L.*) – Studija slučaj Hrvatska

Biomass productivity, chemical and energy properties of Switchgrass (*Panicum virgatum L.*) – Case study Croatia

- 15:00 **Vanja Jurišić, Mislav Kontek, Katarina Jakšić, Alan Antonović**

Usporedba empirijskih i teorijskih ogrjevnih vrijednosti miskantusa

Comparison of empirical and theoretical heating values of Miscanthus

- 15:10 Rasprava :: Discussion

- 15:20 Odmor :: Coffee Break

Moderatori :: Moderators

Vanja Jurišić, Alan Antonović, Slavica Rukavina

- 15:40 **Mislav Kontek, Petra Borovec, Marija Fiolić, Klara Hodak, Marija Kovar, Dora Maričić, Antonija Mutak, Tajana Krička, Vanja Jurišić**

Analiza zapaljivosti novih genotipova roda Miscanthus

Flammability analysis of new Miscanthus genotypes

- 15:50 **Slavica Rukavina, Boris Slijepčević, Mladen Ištuk, Tomislav Ivanušić, Vjekoslav Horvat**
 Uzgoj i testiranje biomase Miscanthus x giganteus za proizvodnju naprednih biogoriva u Hrvatskoj – INA iskustvo
 Miscanthus x giganteus cultivation and testing for advanced biofuels production in Croatia – INA experience
- 16:00 **Alan Antonović, Tajana Krička, Vanja Jurišić, Nikola Španić, Branimir Šafran, Suzana Antolović, Juraj Stanešić, Josip Ištvanic**
 Utjecaj različitih polihidričnih alkohola na utekućenje trave Miscanthus x giganteus
 Influence of various polyhydric alcohols on the liquefaction of grass Miscanthus x giganteus
- 16:10 **Anamarija Peter, Dubravka Dujmović Purgar, Terezija Međugorac, Mateja Grubor, Neven Voča**
 Upotreba biomase invazivne biljne vrste amorfne (Amorpha fruticosa L.) u proizvodnji energije
 Use of invasive plant species Indigobush (Amorpha fruticosa L.) biomass in energy production
- 16:20 **Robert Spajić, Ivan Gregić, Davor Kralik, Đurđica Kovačić, Daria Jovičić**
 Negative effect of the cavitation on heavy duty pump for manure/digestate application
- 16:30 **Jean-Edouard Blanquart, Bart Lenaerts, Wouter Saeys**
 Online crop height and density estimation in grain fields using LIDAR
- 16:40 **Neven Voča, Bojan Ribić**
 Biogas potential from biowaste in City of Zagreb

ČETVRTAK :: THURSDAY 20.02.2020.

- 10:00 – 10:30 Polazak i vožnja do Šibenika / Departure and drive to Šibenik
- 10:30 – 11:30 Šetnja Šibenikom uz pratnju stručnih vodiča te razgledavanje Katedrale Sv.Jakova / A walk through in Šibenik, accompanied by expert guides, and sightseeing of St. James Cathedral
- 11:30 – 12:30 Posjet Muzeju Civitas Sacra / Visit to the Civitas Sacra Museum
- 12:30 – 13:30 Obilazak tvrđave Sv.Mihovila / Tour of St. Mihovil Fort
- 14:00 – 15:30 Ručak u restoranu autohtone dalmatinske kuhinje „Torcida“ / Lunch at the domestic Dalmatian cuisine restaurant "Torcida"
- 15:30 – 16:00 Povratak / Return

PETAK :: FRIDAY 21.02.2020.

Odlazak / Departure