

**52. HRVATSKI
i 12. MEĐUNARODNI
SIMPOZIJ
AGRONOMA**

**52nd CROATIAN AND
12th INTERNATIONAL
SYMPOSIUM ON
AGRICULTURE**

Program

Programme

12.-17. veljače 2017.
Dubrovnik, Hrvatska

February 12-17, 2017
Dubrovnik, Croatia

<http://sa.pfos.hr>

**Poljoprivredni fakultet
Sveučilišta Josipa Jurja Strossmayera u Osijeku**
i

Agronomski fakultet Sveučilišta u Zagrebu
Agronomski i prehrambeno-tehnološki fakultet Sveučilišta u
Mostaru, Bosna i Hercegovina
Balkan Environmental Association (B.EN.A)
Biotehniška fakulteta Univerze v Ljubljani, Slovenija
European Hygienic Engineering&Design Group (EHEDG), Germany
European Society of Agricultural Engineers (EurAgEng)
Fakulteta za kmetijstvo in biosistemske vede, Univerza v Mariboru,
Slovenija
Hrvatsko agronomsko društvo
Prehrambeno-tehnološki fakultet Osijek
Prehrambeno-biotehnološki fakultet u Zagrebu
Strojarski fakultet u Slavonskom Brodu
Sveučilište Josipa Jurja Strossmayera u Osijeku

pod pokroviteljstvom

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

u suradnji s

Bc Institutom za oplemenjivanje i proizvodnju bilja, Zagreb
Brodsko-posavskom županijom
Društvom agronoma Osijek
Gradom Dubrovnikom
Gradom Osijekom
Gradom Požegom
Gradom Slavonskim Brodom
Gradom Vinkovcima
Hrvatskim lovačkim savezom, Zagreb
Hrvatskom agronomskom komorom, Zagreb
Hrvatskom agencijom za hranu, Osijek
Hrvatskim centrom za poljoprivredu, hranu i selo, Zagreb
Hrvatskom gospodarskom komorom, Zagreb
Hrvatskom poljoprivrednom agencijom, Križevci

Institutom za jadranske kulture i melioraciju krša, Split
Institutom za poljoprivredu i turizam, Poreč
Osječko-baranjskom županijom
Poljoprivrednim institutom Osijek
Savjetodavnom službom, Zagreb
Sveučilištem u Dubrovniku
Veleučilištem u Požegi
Veleučilištem u Slavonskom Brodu
Visokim gospodarskim učilištem u Križevcima
Vukovarsko-srijemskom županijom

organiziraju

52. hrvatski i 12. međunarodni simpozij agronoma
12. do 17. veljače 2017., Dubrovnik, Hrvatska

pod medijskom pokroviteljstvom

Hrvatske radiotelevizije
Društva agrarnih novinara Hrvatske
Agroglasa

pod sponzorstvom

Veleposlanstva Države Izrael u Hrvatskoj
Žito grupe d.o.o.
Osatina grupe d.o.o.
AgroFructus grupe d.o.o.



Faculty of Agriculture
Josip Juraj Strossmayer University of Osijek
and

Faculty of Agriculture University of Zagreb

Balkan Environmental Association (B.EN.A)

Biotechnical Faculty, University of Ljubljana, Slovenia

Croatian Society of Agronomy

European Hygienic Engineering&Design Group (EHEDG), Germany

European Society of Agricultural Engineers (EurAgEng)

Faculty of Agriculture and Food Technology, University of Mostar,
Bosnia and Herzegovina

Faculty of Food Technology Osijek, Croatia

Faculty of Food Technology and Biotechnology, Zagreb, Croatia

Faculty of Agriculture and Life Science, University of Maribor,
Slovenia

University of Josip Juraj Strossmayer in Osijek

Mechanical Engineering Faculty in Slavonski Brod

under the auspices of the

Ministry of Science and Education of the Republic of Croatia

Ministry of Agriculture of the Republic of Croatia

Ministry of Environment and Energetic of the Republic of Croatia

in collaboration with

Agricultural Institute Osijek

Bc Institute for Breeding and Production of Field Crops, Zagreb

City of Dubrovnik

City of Osijek

City of Požega

City of Slavonski Brod

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County of Brod-Posavina

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Extension Service, Zagreb
Institute for Adriatic Crops and Karsts Reclamation, Split
Institute of Agriculture and Tourism, Poreč
Society of Agronomy, Osijek
University of Applied Sciences in Požega
University of Applied Sciences in Slavonski Brod
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organize

52nd Croatian & 12th International Symposium on Agriculture
February 12 - 17, 2017, Dubrovnik, Croatia

under the auspices of media

Croatian Radiotelevision
Association of Agricultural Journalists of Croatia
Agroglas

sponsored by

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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 predložiti potvrdu o uplati. Registracijski pult nalazi se ispred Kongresne dvorane i bit će otvoren

Nedjelja	12. veljače 2017.	16:00 – 19:00
Ponedjeljak	13. veljače 2017.	8:00 – 18:00
Utorak	14. veljače 2017.	8:00 – 18:00
Srijeda	15. veljače 2017.	8:00 – 18:00
Cetvrtak	16. veljače 2017.	8:00 – 11:00

Poster | Dvorana – Elafiti I

Postavljanje postera je dan ranije nakon 19:00 sati ili najmanje 30 minuta prije početka rada sekcije.

GENERAL INFORMATION

Official languages

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 in front of the Congress Hall will be open for the following times:

Sunday	February 12, 2017	16:00 – 19:00
Monday	February 13, 2017	8:00 – 18:00
Tuesday	February 14, 2017	8:00 – 18:00
Wednesday	February 15, 2017	8:00 – 18:00
Thursday	February 16, 2017	8:00 – 11:00

Posters | Elafiti I

Posters should be displayed one day before (after 19:00 hours) or at least 30 minutes before the section starts work.

Program rada Simpozija | Symposium Programme

NEDJELJA / SUNDAY | 12.2.2017.

- 16:00 Registracija sudionika / Registration of participants
19:00 Koktel dobrodošlice u hotelu Valamar Lacroma u Dubrovniku /
Welcoming cocktail, Hotel Valamar Lacroma, Dubrovnik

PONEDJELJAK / MONDAY | 13.2.2017.

- 8:00 Registracija sudionika / Registration of participants
10:00 Otvaranje simpozija / Opening ceremony | Elafiti
11:00 Plenarna izlaganja / Plenary lectures | Elafiti
15:00 Okrugli stol / Round table | Elafiti
17:00 Predstavljanje i kušanje novih proizvoda poljoprivredno-
prehrambene industrije / Presentation and tasting of new
products of agri-food industry | Elafiti IV
21:00 Koncert klape „Kaše“ / Concert of Klapa „Kaše“ | Elafiti

UTORAK / TUESDAY | 14.2.2017.

- 9:00 Genetika, oplemenjivanje bilja i sjemenarstvo / Genetics, Plant
Breeding and Seed Production | Elafiti II
9:00 Povrčarstvo, ukrasno, aromatično i ljekovito bilje / Vegetable
growing, Ornamental, Aromatic and Medicinal Plants | Elafiti III
9:00 Ribarstvo, lovstvo i pčelarstvo / Fisheries, Game Management
and Beekeeping | Elafiti IV
15:00 Poljoprivredna proizvodnja i lokalne akcijske grupe u južnoj
Hrvatskoj - predstavljanje i kušanje tradicionalnih proizvoda /
Agricultural Production and Local Action Groups in Southern
Croatia - presentation and tasting of traditional products |
Elafiti IV

SRIJEDA / WEDNESDAY | 15.2.2017.

- 8:30 Agroekonomika i ruralna sociologija / Agricultural Economics
and Rural Sociology | Elafiti II
9:00 Ratarstvo / Field crop production | Elafiti III
9:00 Stočarstvo / Animal Husbandry | Elafiti IV
20:00 Svečana večera / Gala dinner | Elafiti

ČETVRTAK / THURSDAY | 16.2.2017.

- 8:00 Agroekologija, ekološka poljoprivreda i zaštita okoliša / Agroecology,
Organic Agriculture and Environment Protection | Elafiti II
8:30 Vočarstvo / Pomology | Elafiti III
8:30 Vinogradarstvo i vinarstvo/Viticulture and Enology | Elafiti IV
8:30 Poljoprivredna tehnika / Agricultural Engineering | Bokar
12:00 Gratis izlet za sudionike simpozija u Konavle
(vožnja autobusima, degustacija vina i ručak)
Free excursion for the participants of the symposium in
Konavle region (bus transfer, wine tasting and lunch)

PETAK / FRIDAY | 17.2.2017.

- Odlazak sudionika / Departure

Upute za predavače

U svim dvoranama predavačima su na raspolaganju: osobna računala i LCD projektori. Predavači predaju medij s predavanjem (USB, CD-ROM) 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 izlagatelji da ostanu u dvorani tijekom vremena predviđenog za raspravu.

Poster se postavlja na panoe veličine 100x120 cm (širina x visina) u dvorani Elafiti I. Postavljanje postera je dan ranije (nakon 19:00 sati) ili najmanje 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, CD) to the technical service before the section starts work.

We suggest lecturers from Croatia, Serbia, Bosnia and Herzegovina to Power Point presentation prepare in English language, and the lectures delivered 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 fitted onto boards sized 100x120 cm (width x height) in the Elafiti I Hall. Posters may be displayed one day before (after 19:00 hours) or at least 30 minutes before the section starts work.

Oral or poster presentations will not be allowed unless the registration fee has been paid (except for invited speakers' presentations).

Program rada sekcija :: Programme per section

Sekcija / Section	Datum / Date	Dvorana / Hall	Vrijeme / Time
1 Agroekologija, ekološka poljoprivreda i zaštita okoliša / Agroecology, Organic Agriculture and Environment Protection	Četvrtak Thursday 16.2.2017.	Elafiti II	8:00
2 Agroekonomika i ruralna sociologija / Agricultural Economics and Rural Sociology	Srijeda Wednesday 15.2.2017.	Elafiti II	8:30
3 Genetika, oplemenjivanje bilja i sjemenarstvo / Genetics, Plant Breeding and Seed Production	Utorak Tuesday 14.2.2017.	Elafiti II	9:00
4 Povrčarstvo, ukrasno, aromatično i ljekovito bilje / Vegetable growing, Ornamental, Aromatic and Medicinal Plants	Utorak Tuesday 14.2.2017.	Elafiti III	9:00
5 Ratarstvo / Field Crop Production	Srijeda Wednesday 15.2.2017.	Elafiti III	9:00
6 Ribarstvo, lovstvo i pčelarstvo / Fisheries, Game Management and Beekeeping	Utorak Tuesday 14.2.2017.	Elafiti IV	9:00
7 Stočarstvo / Animal Husbandry	Srijeda Wednesday 15.2.2017.	Elafiti IV	9:00
8 Voćarstvo/ Pomology Vinogradarstvo i vinarstvo / Viticulture and Enology	Četvrtak Thursday 16.2.2017.	Elafiti III Elafiti IV	8:30
9 Poljoprivredna tehnika / Agricultural Engineering	Četvrtak Thursday 16.2.2017.	Bokar	8:30

PONEDJELJAK / MONDAY | 13.2.2017.

Plenarna izlaganja / Plenary section | Elafiti

10.00 Otvaranje Simpozija / Opening ceremony

Moderatori / Moderators: Vlado Guberac, Zoran Grgić, Zvonimir Zdunić

- 11:00 Izlaganje Ministarstva poljoprivrede
Presentation of Ministry of Agriculture
- 11:20 Guy Reshef
Sustainable water management in Israel
- 11:40 Paolo Corvo
Opportunities for development of advanced biofuels in Croatia
- 12:00 Vesna Gantner, Vladimir Margeta, Maja Gregić, Ranko Gantner, Pero Mijić
Meat production and climate change
- 12:20 Darko Vončina, Renata Bažok, Darko Preiner, Edi Maletić
Kako se nositi sa zlatnom žuticom vinove loze?
How to deal with „flavescence dorée“ phytoplasma?
- 12:40 Blaženka Mičević
Zašto Hrvatskoj treba „hrvatski model“ komasacije?
Why Croatia needs its own model of land consolidation?

Okrugli stol / Round Table | Elafiti

Moderator / Moderator: Martin Vuković

- 15:00 Sredstva europskih fondova za ruralni razvoj – perspektive razvoja hrvatske poljoprivrede / European funds for rural development - perspectives for development of Croatian agriculture

Predstavljanje / Presentation | Elafiti

- 17:00 Predstavljanje i kušanje novih proizvoda poljoprivredno-prehrambene industrije / Presentation and tasting of new products of agri-food industry

Koncert / Concert | Elafiti

- 21:00 Koncert klape „Kaše“ / Concert of Klapa „Kaše“

UTORAK / TUESDAY | 14.2.2017.

3 | Genetika, oplemenjivanje bilja i sjemenarstvo / Genetics, Plant Breeding and Seed Production | Dvorana – Elafiti II – Hall

Moderatori / Moderators: Daniela Horvat, Domagoj Šimić, Mirko Jukić

- 9:00 Uvodna riječ o radovima u sekciji i održavanju poster sekcije
Foreword about papers and posters in the section
- 9:10 Andrija Brkić, Ivan Brkić, Antun Jambrović, Josip Brkić, Domagoj Šimić
Optimizacija testiranja ranih generacija u programu oplemenjivanja kukuruza
Optimizing evaluation of the early generations in a maize breeding program
- 9:20 Ivica Buhiniček, Dražen Kaučić, Zdravko Kozić, Antun Vragolović, Jerko Gunjača, Hrvoje Šarčević, Mirko Jukić, Domagoj Šepinac
Stresne toplinske jedinice i prinosi zrna testkrižanaca kukuruza tijekom 20 godina oplemenjivanja
Stress heat units and grain yields of maize testcrosses during 20 years of breeding
- 9:30 Vlatko Galić, Tatjana Ledenčan, Mario Franić, Antun Jambrović, Domagoj Šimić
Intenzitet fuzarijske truleži klipa i sadržaj fumonizina u zrnu kod testkrižanaca IBM populacije kukuruza u tri okoline
Fusarium ear rot intensity and grain fumonisin content in testcrosses of maize IBM population in three environments
- 9:40 Josip Brkić, Vlatko Galić, Mario Franić, Andrija Brkić, Antun Jambrović, Zvonimir Zdunić, Tatjana Ledenčan, Ivan Brkić, Domagoj Šimić
Način odabira hibrida kukuruza za službeno priznavanje u Turskoj
Selection of maize hybrids for official registration in Turkey
- 9:50 Ivica Buhiniček, Antun Jambrović, Zdravko Kozić, Ivan Brkić, Mirko Jukić, Andrija Brkić, Domagoj Šimić
Komponente varijance analizirane mješovitim modelom u zajedničkim pokusima kukuruza dvaju hrvatskih instituta
Variance components analysed by mixed model in common maize trials of two Croatian institutes

- 10:00 Mario Franić, Maja Mazur, Vlatko Galić, Jasenka Antunović, Lidija Begović, Luka Andrić, Antun Jambrović, Zvonimir Zdunić, Tatjana Ledenčan, Andrija Brkić, Josip Brkić, Ivan Brkić, Vera Cesar, Domagoj Šimić
Promjene u parametrima fluorescencije klorofila a u uvjetima ograničene dostupnosti vode kod IBM populacije kukuruza
Changes of chlorophyll a fluorescence parameters in water limited maize IBM population
- 10:10 Mirko Jukić, Domagoj Stepinac, Ivica Buhiniček
Selekcija kukuruza na tolerantnost prema suši pomoću sekundarnih svojstava
Maize breeding for drought tolerance through the secondary traits
- 10:20 Necla Pehlivan, Muhammed Yesilyurt, Nuran Durmus, Sengul Alpaya Karaoglu
Salt stress resilience potential of *Trichoderma* spp. in maize crop
- 10:30 Marko Maričević, Ivica Ikić, Katarina Jukić, Ivan Zivković
Novosti iz programa oplemenjivanja strnih žitarica Bc Instituta d.d.
Novelties from cereal breeding programs in Bc Institute d.d.
- 10:40 **Rasprava / Discussion**
- 10:50 **Odmor / Coffee break**
- Moderatori / Moderators: Andrijana Rebekić, Gordana Simić, Ivana Rukavina
- 11:10 Sunčica Guberac, Sonja Vila, Sonja Petrović, Andrijana Rebekić, Vlado Guberac, Vedran Orkić
Primjena DArT markera u oplemenjivanju bilja
Application of DArT markers in plant breeding
- 11:20 Desimir Knezević, Gordana Branković, Vlado Kovačević, Danica Mićanović, Aleksandar Paunović, Milomirka Madić, Miodrag Jelić, Veselinka Zečević, Vesna Djurović
Genetic and environmental effects on grain protein contents in F₁ hybrids of wheat (*Triticum aestivum* L.)
- 11:30 Luka Drenjančević, Sonja Petrović, Andrijana Rebekić, Sunčica Guberac, Vlado Guberac
Utjecaj klimatskih prilika na komponente prinosa krušne pšenice
Influence of different climatic conditions on bread wheat yield components

- 11:40 Enver Kendal, Yusuf Doğan, Erol Oral
Selection the best barley genotypes to multi and special environments by AMMI and GGE biplot models
- 11:50 Ivan Abičić, Alojzije Lalić, Gordana Simić
Agronomске karakteristike OS-genotipova golozrnog ječma
Agronomic characteristics of hullless barley OS-genotypes
- 12:00 Andrijana Rebekić, Sonja Petrović, Marina Brica, Marko Kesedžić, Sunčica Guberac, Zdenko Lončarić
Razlike u akumulaciji cinka i željeza u zrno srednjoeuropske germplazme pšenice
Variability in zinc and iron accumulation in grain of Middle European wheat germplasm
- 12:10 Silvija Krnić, Zdenko Lončarić, Ivna Stolf, Sonja Vila, Sonja Petrović, Andrijana Rebekić, Meri Engler, Darko Kerovec
Varijabilnost koncentracija mikroelemenata i fitata u zrnu različitih genotipova ozime pšenice
The variability of the trace elements and phytate content of different winter wheat genotypes
- 12:20 Gordana Simić, Alojzije Lalić, Ivan Abičić, Daniela Horvat, Jurislav Babić, Đurđica Ačkar, Drago Šubarić
Grain characteristics and chemical composition of hull-less and hulled barley varieties created at Agricultural Institute Osijek
Svojstva zrna i kemijski sastav golozrnog i pljevičastog ječma kreiranog na Poljoprivrednom institutu Osijek
- 12:30 Ivana Rukavina, Luka Drenjančević, Sunčica Guberac, Sonja Petrović, Ivan Varnica, Zlatko Mijić
Zahtjevi CPVO tehničkog protokola za DUS ispitivanje pšenice u postupku dodjeljivanja oplemenjivačkog prava u Europskoj zajednici
Requirements of CPVO technical protocol for DUS testing of wheat in process of granting plant breeder's rights in European Union
- 12:40 **Rasprava / Discussion**
- 12:50 **Ručak / Lunch**

Moderatori / Moderators: Tihomir Cupić, Sonja Petrović, Siniša Srećec

- 14:00 Enver Kendal, Yusuf Doğan, Erol Oral
Comparison of planting on bed and flat surface systems in wheat and barley
- 14:10 Marina Zorić, Jerko Gunjača, Domagoj Simić
Adaptabilnost genotipova suncokreta u sortnim pokusima Republike Hrvatske
The adaptability of sunflower genotypes in Croatian varietal trials
- 14:20 Tihomir Cupić, Marijana Tucak, Ivan Babić, Dunja Jindra Cupić, Goran Krizmanić, Svetislav Popović
Produktivnost i kompeticija različitih tipova stočnog graška u združenim usjevima
Productivity and competitiveness and of different types field pea in intercrops
- 14:30 Marijana Tucak, Daniela Horvat, Tihomir Cupić, Goran Krizmanić, Marija Viljevac Vuletić, Rezica Sudar, Svetislav Popović
Genetska varijabilnost izoflavona u populacijama višegodišnjih krmnih leguminoza
Genetic variability of isoflavones in perennial forage legumes populations
- 14:40 Tihomir Cupić, Goran Krizmanić, Marijana Tucak, Svetislav Popović
Agronomska vrijednost oplemenjivačkih linija i sorti jarog stočnog graška za proizvodnju voluminozne krme
Agronomic value of spring field pea breeding lines and varieties for green forage production
- 14:50 Siniša Srećec, Renata Erhatic, Dario Kremer, Ivna Dragojević Müller, Ksenija Karlović, Snježana Bolarić, Tomislava Peremin Volf, Zvezdana Augustinović, Dubravka Dujmović Prugar
Usporedba važnih morfoloških svojstava mahuna i sjemenki lokalne sorte rogača "Komižki rogač" u usporedbi s populacijama susjednih otoka
Comparisons of carob pods and seeds morphological characteristics of middle Dalmatian islands populations in the comparison with local carob cultivar "Komižki rogač"
- 15:00 Mohamed Mefti, Abderrezak Chebouti, Hamena Bbouzerzour
Study of the genetic variation of tall fescue varieties using AFLP markers
- 15:10 Serra Hepaskoy, Ali Asghar Zainal
In vitro Propagation of some *Prunus mahaleb* L. genotypes

- 15:20 Bahman Hosseini, Fereshte Moharami, Ali Sharafi, Manouchehr Farjami
Enhanced production of hyoscyamine and scopolamine from genetically transformed roots culture of *Hyoscyamus reticulatus* L. elicited by iron oxide nanoparticles
- 15:30 **Rasprava / Discussion**
- 15:40 **Odmor / Coffee break**
- 16:00 **Posteri / Posters**

Posteri / Posters | Dvorana - Elafiti I – Hall

Moderatori / Moderators: Ana Lovrić, Tatjana Ledенčan, Snežana V. Jovanović

- 3.01 Monika Vidak, Zlatko Liber, Ana Barešić, Martina Grdiša, Zlatko Šatović, Klaudija Carović-Stanko
Genetic identification of Croatian common bean accessions
Genetska identifikacija primki hrvatskih tradicijskih kultivara graha
- 3.02 Irena Radinović, Sanja Vasiljević, Jordan Aleksić, Jasmina Radović, Ramadan Salem Ahsyee, Gordana Branković
Grouping of red clover genotypes based on parameters of chemical quality
- 3.03 Kristina Mastanjević, Vinko Krstanović, Gordana Simić, Alojzije Lalić, Krešimir Mastanjević, Leon Lenart
Ispitivanje sladarske kakvoće višenamjenskih kultivara Poljoprivrednog instituta Osijek
The investigation of some malting quality indicators of multipurpose barley cultivars of Agricultural Institute Osijek
- 3.04 Ana Lovrić, Janja Seremet, Katarina Jukić, Ivica Ikić, Marko Maričević, Snježana Bolarić, Jerko Gunjača, Hrvoje Šarčević
Vrijednost agronomskih svojstava i svojstava kvalitete kod F4 potomstava četiriju kombinacija križanja ozime pšenice
The value of agronomic and quality traits in F4 progenies in four cross combinations of winter wheat
- 3.05 Sonja Grljušić, Nikolina Simić, Luka Andrić, Ivica Beraković, Ruder Šimek, Dario Novoselović
Morfometrijska svojstva sjemena pšenice
Morphometric traits of wheat seed
- 3.06 Vanya Ivanova, Plamen Chamurliyski
Resistance of common winter wheat cultivars from different geographic origin to *P. triticina*

- 3.07 Sonja Petrović, Tihomir Cupić, Andrijana Rebekić, Sunčica Guberac, Sonja Vila
Analiza genetske različitosti i strukture populacije krušne pšenice SSR markerima
Analysis of genetic diversity and population structure in bread wheat using SSR markers
- 3.08 Snežana V. Jovanović, Goran Todorović, Marijenka Tabaković, Branimir Šimić, Ratibor Štrbanović, Rade Stanisavljević Average yield seed production of hybrid ZPSC 341 due to different percentage of fertile and sterile plants in location Vojvodina
- 3.09 Vlatko Galić, Mario Franić, Domagoj Šimić
Maternalno porijeklo parametara fluorescence klorofila *a* u UPGMA grupiranju recipročnih križanaca kukuruza
Maternal inheritance of chloroplasts and chlorophyll *a* fluorescence parameters in UPGMA clustering of maize inbred reciprocal crosses
- 3.10 Tatjana Ledенčan, Rezića Sudar, Marija Viljevac Vuletić, Andrija Brkić, Domagoj Šimić
Varijabilnost sadržaja ukupnih karotenoida i boje zrna genotipova kukuruza kokičara
Variation in total carotenoids content and grain color among popcorn genotypes

4 | Povrčarstvo, ukrasno, aromatično i ljekovito bilje / Vegetable Growing, Ornamental, Aromatic and Medicinal Plants | Dvorana – Elafiti III – Hall

Moderatori / Moderators: Nada Paradiković, Tomislav Vinković

- 9:00 Monika Tkalec, Mateja Blažević, Dominka Babac, Mateja Pavlović, Jasna Kraljićak, Svjetlana Zeljković, Tomislav Vinković, Nada Paradiković
Klijavost sjemena cvjetnih vrsta pod utjecajem LED osvjetljenja
Germination of annual flower species under influence of LED light
- 9:10 Darija Perković
Zelena infrastruktura grada - novi i alternativni pristup urbanom krajobrazu
The Green Infrastructure of the City - New and Alternative Overview of the Urban Landscape
- 9:20 Alka Turalija, Jasenka Vizentaner, Jasna Avdić
Oblikovni slogovi cvjetnih gredica u perivojima i zelenim površinama urbanih sredina Slavonije
The design sets of flowerbeds in parks and green spaces in Slavonia
- 9:30 Iva Ladan, Lea Pollak, Andrea Adanić Pajić, Marina Lisičar
Timokinon u ulju crnog kima
Thymoquinone in black cummin oli
- 9:40 Mirjana Herak Custić, Marko Petek, Boris Lazarević, Igor Palčić
Utjecaj statusa hraniva u tlu i biljci na arhitekturu korijenovog sustava travnog busena
The effect of the nutrients' status in soil and plant on the root system architecture of turfgrass
- 9:50 **Rasprava / Discussion**
- 10:00 **Odmor / Coffee break**

Moderatori / Moderators: Marko Petek, Josip Haramija

- 10:30 Tomislav Vinković, Nada Paradiković, Monika Tkalec, Ivana Vinković Vrček, Ivna Štolfa Čamagajevac
Utjecaj okolišnih i genetskih čimbenika na antioksidativne komponente u začinskoj paprici
Influence of environmental and genetic factors on antioxidative components in red pepper

- 10:40 Josip Haramija, Nada Parađiković, Tomislav Vinković, Dijana Horvat, Filip Haramija
Proizvodnja sjemena blitve u Republici Hrvatskoj u zadnjih 15 godina
Swiss chard seed production in Croatia in last 15 years
- 10:50 Branimir Urlić, Marko Runjić, Gvozden Dumičić, Gabriela Yuletin Selak, Maja Jukić Špika, Marija Mandušić, Katja Zanić
Utjecaj deficitarnog navodnjavanja na uzgoj cijepljene rajčice
Effect of deficit irrigation on grafted tomato cultivation
- 11:00 Zdravko Matotan, Dunja Samec, Branka Salopek Sondi, Snježana Bolarić
Promjene gospodarskih svojstava, sadržaja polifenolnih spojeva i genetske strukture čuvane sorte Varaždinski kupus tijekom zadnjih pedeset godina
Changes in agronomic traits, polyphenol content and genetic structure of conservation cabbage variety Varaždinski kupus during the last fifty years
- 11:10 Marija Mandušić, Marin Cukrov, Gvozden Dumičić, Katja Zanić
Intezitet zaraze (atraktivnost) različitih vrsta povrća i začinskog bilja štitastim moljcem *Trialeurodes vaporariorum* (Hem. Aleyrodidae)
An infestation rate of *Trialeurodes vaporariorum* (Hem. Aleyrodidae) on different vegetables and herbs
- 11:20 Igor Pasković, Tomislav Radić, Branka Perinčić, Zoran Užila, Igor Palčić, Dean Ban, Marija Romić, Dragan Žnidarčić, Smiljana Goreta Ban
Utjecaj vodenog ekstrakta koprive na plodnost tla i vegetativni rast graha mahunara
The effect of aqueous nettle extract on soil fertility and dwarf French bean vegetative growth
- 11:30 Jana Sic Zlabur, Sandra Voća, Nadica Dobričević, Lara Vitasović, Stjepan Pliestić, Ante Galić
Bioaktivni spojevi u prahu češnjaka
Bioactive compounds of garlic powder
- 11:40 Hooshang Mohammadpour, Morad Jafari, Amir Fayaz Moghaddam, Masoud Abrinban, Farzaneh Badali
Increased production of Justicidin B in *Linum austriacum* hairy root cultures elicited with protein fractions of *Pythium oligandrum*
- 11:50 **Rasprava / Discussion**
- 12:00 **Ručak / Lunch**

Moderatori / Moderators: Zdravko Matotan, Branimir Urlić

- 14:00 Mehmet Zeki Yildirim
Noxious slug species found in gardens of southern Turkey
- 14:10 Funda Atila
Antioxidant activity and total phenolics of some *Hericium* spp.
- 14:20 Nefise Yasemin Emekli
Green coulered shade nets effects on soil water content and plant root distributions on tomato cultivars
- 14:30 Molchan O.V., Petrinchik V.O, Fatykhava S.A., Shabunya P.S.
Effects of LED light on the growth and secondary metabolite production in *Catharanthus roseus* medicinal plants
- 14:40 **Rasprava / Discussion**
- 14:50 **Odmor / Coffee break**
- 15:00 **Posteri / Posters**

Posteri / Posters | Dvorana – Elafiti I – Hall

Moderatori / Moderators: Slavica Dudaš, Svjetlana Zeljković

- 4.01 Milan Pospišil, Marina Brčić, Ana Pospišil, Jasminka Butorac, Martina Soljić
Utjecaj količine sjemena za sjetvu na agronomska svojstva i sastavnice prinosa sikavice (*Silybum marianum* L. Gaertn.)
Influence of sowing rate on agronomic traits and yield components of milk thistle (*Silybum marianum* L. Gaertn.)
- 4.02 Svjetlana Zeljković, Uroš Sušak, Nada Paradiković, Jelena Davidović Gidas, Monika Tkalec, Vida Todorović
Primjena zeolita, kao kondicionera supstrata, u proizvodnji presadnica surfinije (*Petunia hybrida* Juss.)
The use of zeolites as conditioner substrate in the production of surfinia seedlings (*Petunia hybrida* Juss.)
- 4.03 Renata Baličević, Marija Ravlić, Pavo Lucić, Aleksandar Lazić
Alelopatski utjecaj vrste *Aloe vera* (L.) Burm. f. na klijavost i rast luka i bosiljka
Allelopathic effect of plant species *Aloe vera* (L.) Burm. f. on germination and growth of onion and basil
- 4.04 Slavica Dudaš, Petra Grgurina, Nada Paradiković
Sadržaj eteričnog ulja mladih izbojaka smreke *Picea abies* (L.) H. Karst. u ovisnosti o načinu sušenja i lokaciji
The content of essential oil of young shoots of *Picea abies* (L.) H. Karst. depending on the method of drying and location

- 4.05 Laura Binxhija (Qeska), Arjana Ylli
Juniperus communis L. and Cupressaceae, Juniperus oxycedrus, their spread and values in Kosovo
- 4.06 Aysun Boza, Serra Hepaksoy
Morphological characterization of bay laurel leaf in turkey: urla/çeşme peninsula
- 4.07 Linda Chularojmontri, Wattanased Jarisarapurin, Khwandow Kunchana, Lalana Kongkaneromit, Orapin Gerdprasert, Malai Taweechoatipatr, Suvara Wattanapitayakul
Treatment of emulsion from natural products on fungal skin infection in dogs
- 4.08 Mohamed R. Y., Al-Mallah M.K., Ramadan N.A.
Regeneration of chickpea (*Cicer arietinum* L.) plant from embryogenic and stem calli: a novel source to select fungal resistant plantlets
- 4.09 Spyridon Petropoulos, Angela Fernandes, Anestis Karkanis, Georgia Ntatsi, Lillian Barros, Isabel C.F.R. Ferreira
Harvesting time affects yield and chemical composition of *Cichorium spinosum* L.
- 4.10 Boris Dorbić, Glorija Filipović, Emilija Friganović, Elma Temim, Anita Pamuković, Alisa Hadžiabulić, Margarita Davitkovska
Percepcije i stavovi građana o primjeni i održavanju cvjetnih vrsta na terasama i balkonima Knina
The perception and opinions of citizens regarding the application and maintenance of floral species on terraces and balconies of the city of Knin
- 4.11 Renata Erhatic, Kristina Benčak
Utjecaj supstrata na rast i razvoj bosiljka (*Ocimum basilicum* L.)
Impact of Substrate on Growth and Development of Basil (*Ocimum basilicum* L.)
- 4.12 Maja Kazazić, Emina Ademović, Maida Đapo, Denis Bobar
The phytochemical screening and determination of antioxidant activity and phenol content in extracts of selected plant species
- 4.13 Miroslav Poje, Darija Broz, Zoran Grgić, Ines Han Dovedan
Trajnice kao činitelj smanjenja troškova zasnivanja i održavanja cvjetnih gredica zagrebačke Zelene potkove
Perennials as a factor in the reduction of costs for establishing and maintaining flower beds of Zagrebs Green Horseshoe

- 4.14 Vida Todorović, Ivana Koleška, Rodoljub Oljača, Borut Bosančić, Nikolina Đekić
Impact of substrate salinity levels in the early growth, quality and yield of tomato (*Lycopersicon esculentum* Mill.)
- 4.15 Dragan Znidarčić, Nataša Mirecki, Dean Ban, Smiljana Goreta Ban
Utjecaj tehnologije uzgoja na profil masnih kiselina ploda rajčice (*Lycopersicum esculentum* Mill.)
Cultivation impact on the fatty acid profile of tomato fruits (*Lycopersicum esculentum* Mill.)
- 4.16 Ivan Yanchev
Productivity and quality of bulgarian lavender varieties
- 4.17 Nataša Mirecki, Dragan Znidarčić, Milica Badnjar, Zoran Ilić
Mogućnost zamjene treseta sa glistenjakom kod kontejnerske proizvodnje organskog presadnica rajčice (*Lycopersicon esculentum* Mill.)
The possibility of the peat replacing with vermicompost in a container production of organic tomato seedlings (*Lycopersicon esculentum* Mill.)
- 4.18 Nada Paradiković, Monika Tkalec, Tomislav Vinković, Marta Gold
Ljekovita svojstva medicinskog kanabisa (*Cannabis indica* var. *Bedica*)
Medicinal properties of cannabis (*Cannabis indica* var. *Bedica*)

6 | Ribarstvo, lovstvo i pčelarstvo / Fisheries, Game Management and Beekeeping

Ribarstvo / Fisheries | Dvorana – Elafiti IV - Hall

Moderatori / Moderators: Siniša Ozimec, Svjetlana Krstulović Sifner

- 9:00 Uvodna riječ o radovima u sekciji i održavanju poster sekcije
Foreword about papers and posters in the section
- 9:10 Svjetlana Krstulović Sifner, Tija Damjanović, Igor Isajlović, Mirela Petrić, Nedo Vrgoč
Rasprostranjenost i reproduktivna obilježja sipice iglate (*Sepia orbignyana* Férussac, 1826) u sjevernom i srednjem Jadranu
Distribution and reproductive characteristics of the Pink Cuttlefish (*Sepia orbignyana* Férussac, 1826) in the Northern and Central Adriatic Sea
- 9:20 Ahmet Sahin, Rafet Cagri Ozturk
Artificial reef performance in the Black Sea
- 9:30 Ihan Yandi, Ilhan Altinok
Irreversible starvation level by RNA/DNA on lab-grown Black Sea larval anchovy (*Engraulis encrasicolus*, Linnaeus 1758)
- 9:40 Ilhan Altinok, Didem Çetindemir, Erol Capkin, Rafet Cagri Ozturk, Gokhan Kalayci
Determination of brown trout resistance against some of the bacterial fish diseases
- 9:50 Sevim Köse, Bekir Tufan, Matevž Pompe, Marjan Veber, Eva Petrovšek, Anja Kristi
Nutritional value of fish soup from Brook trout (*Salvelinus fontinalis* Mitchell 1814)
- 10:00 Sevim Köse, Bekir Tufan, Matevž Pompe, Marjan Veber
Consumer response on fish soup from Brook trout (*Salvelinus fontinalis* Mitchell, 1814) after addition of lavitol V as natural antioxidant
- 10:10 **Rasprava / Discussion**
- 10:20 **Odmor / Coffee break**
- 10:30 **Posteri / Posters**

Moderator / Moderator: Marina Piria

- 6.01 Barbara Zorica, Vanja Cikeš Keč, Vedran Vuletin, Goran Brzulja, Viktor Kraljević
Kvantitativna i kvalitativna analiza ulova plivarice igličare u Jadranskom moru
Quantitative and qualitative analysis of the purse seine igličara catches in the Adriatic Sea
- 6:02 Vanja Cikeš Keč, Barbara Zorica, Vedran Vuletin, Goran Brzulja, Viktor Kraljević
Kvalitativna i kvantitativna analiza ulova plivarice palamidare u Jadranskom moru
Qualitative and quantitative analyses of catch composition by purse seine palamidara in the Adriatic Sea
- 6.03 Kenan Gedik
Lead distribution in red swamp crayfish (*Procambarus clarkii* Girard, 1852) tissues: the relationships between Pb levels and body weight
- 6.04 Danijela Ogresta, Ana Bratoš Cetinić
Rast i kondicija slatkovodnih školjkaša (Bivalvia, Unionoida) donjeg toka rijeke Neretve
Growth and condition of freshwater mussels (Bivalvia, Unionoida) in the lower course of the Neretva River
- 6.05 Sejit Bobar, Munir Mehović, Sanel Riđanović, Pavle Spasojević
Utjecaj ribnjaka na kakvoću vode rijeke Šanice pri niskom i visokom vodostaju
The impact of the fish farm on water quality of the Šanica River at high and low water levels
- 6.06 Marina Piria, Sunčana Svjetličić, Aleks Poljak, Ivan Jakovlić
Sastav prirodne prehrane bezribice, sunčanice i crnog somića te njihov invazivni potencijal u Hrvatskoj
Diet composition of topmouth gudgeon, pumpkinseed sunfish and black bullhead catfish and their invasive potential in Croatia
- 6.07 Anđelko Opačak, Dinko Jelkić, Ras Lužaić, Ana Kovačić, Andrea Gross Bošković
Toksični metali u mišićnom tkivu kapitalnog primjerka Europskog soma
(*Silurus glanis* Linnaeus, 1758) iz rijeke Drave, Hrvatska
Toxic metals in muscle tissue of the capital specimen of wels catfish
(*Silurus glanis* Linnaeus, 1758) from the Drava River, Croatia

Pčelarstvo / Beekeeping | Dvorana – Elafiti I – Hall

10:30 **Posteri / Posters**

Moderator /Moderator: Goran Mirjanić

- 6.08 Messaouda Belaïd, Fatma Acheuk, Hakima Mohand Kaci, Farida Benzina, Malika Bennour
The effect of Varroa mite (*Varroa destructor* Anderson and Trueman, 2000) on morphometry and cuticle component of the worker honeybees (*Apis mellifera* Linnaeus, 1758)
- 6.09 Marin Kovačić, Zlatko Puškadija
Određivanje razine zaraženosti medonosne pčele (*Apis mellifera* Linnaeus, 1758) s varoom (*Varroa destructor* Anderson and Trueman, 2000) na različitim mjestima u košnici
Determining the infestation rate of honey bees (*Apis mellifera* Linnaeus, 1758) with Varroa mite (*Varroa destructor* Anderson and Trueman, 2000) at different location in the hive
- 6.10 Goran Mirjanić, Dejan Popović, Mića Mladenović, Nebojša Nedić
Utjecaj promjene mjesta košnice na razvoj pčelinje zajednice
The impact of beehive replacement on development of the honeybee colony
- 6.11 Duška Slijepac
Stanje i perspektive razvoja pčelarstva u Republici Srpskoj (Bosna i Hercegovina)
Status and perspectives of beekeeping development in the Republic of Srpska (Bosnia and Herzegovina)

Lovstvo / Game Management | Dvorana – Elafiti IV - Hall

Moderatori / Moderators: Tihomir Florijančić, Ana Galov

- 10:30 Milić Curović, Tihomir Florijančić, Miloš Janković, Mladen Cabak, Ivica Bošković, Siniša Ozimec
Usporedba statusa divljači i stanja lovstva između Crne Gore i Hrvatske
Comparison of the status of game animals and state of hunting in Montenegro and Croatia
- 10:40 Marijan Grubešić, Ante Seletković, Zelimir Poljak, Tomislav Šćulac, Kristijan Tomljanović
Poznavanje promjena u strukturi površina u lovištu kao osnova za smjernice lovnog gospodarenja
Knowledge on changes in the land surface structure in the hunting ground as a basis for guidelines in the hunting management
- 10:50 Dragan Prlić
Uporaba lovačkih kamera u istraživanju lovne faune na području grada Slatine
Use of trail cameras in survey of the hunt fauna in the area of the City of Slatina
- 11:00 Haidi Arbanasić, Ana Galov, Zeljko Pavlinec, Lana Vranković, Miljenko Bujanić, Dean Konjević
Preliminarno istraživanje varijabilnosti gena DRB1 MHC klase II u srne obične (*Capreolus capreolus* L.) u Hrvatskoj
Preliminary study on variability of MHC class II DRB1 locus in roe deer (*Capreolus capreolus* L.) from Croatia
- 11:10 Ana Galov, Haidi Arbanasić, Tihomir Florijančić, Zeljka Celinščak, Ivica Bošković, Dean Konjević
Adaptivna genetička raznolikost čaglja (*Canis aureus* L.) u Hrvatskoj
Adaptive genetic variability of the golden jackal (*Canis aureus* L.) from Croatia
- 11:20 Kristijan Tomljanović, Dean Konjević, Tomislav Zuglić, Marijan Grubešić
Divlja mačka (*Felis silvestris* Schreber) u Hrvatskoj: stanje i perspektiva
The status and perspective of the European wildcat (*Felis silvestris* Schreber) in Croatia

11:30 **Odmor / Coffee break**

Moderatori / Moderators: Ivica Bošković, Milić Curović

- 11:50 Nikola Budak, Krunoslav Pintur
Procjena brojnosti srne obične (*Capreolus capreolus* L.)
metodom brojanja izmeta u lovištu I/116 „Bukovica-
Močvarski Breg“
Estimates of the number of roe deer (*Capreolus capreolus* L.)
using the faecal pellet count method in the hunting ground
I/116 "Bukovica-Močvarski Breg"
- 12:00 Tomislav Dumić, Dominik Đurašin, Ivica Bošković, Aljoša
Duplić, Luka Manojlović, Nera Fabijanić
Preliminarno istraživanje istrošenosti zubi srne obične
(*Capreolus capreolus* L.) u odabranim lovištima Istarske
županije
Preliminary research on dental senescence in roe deer
(*Capreolus capreolus* L.) from selected hunting grounds in
Istria County
- 12:10 Dražen Degmečić, Tihomir Florijančić, Siniša Ozimec, Ivica
Bošković
Istraživanje pokazatelja reprodukcije jelena običnog (*Cervus
elaphus* L.) u lovištu XIV/9 „Podunavlje-Podravlje“
Study of reproductive parameters of red deer (*Cervus elaphus*
L.) in the hunting ground XIV/9 „Podunavlje-Podravlje“
- 12:20 Ivica Bošković, Ivan Cvitković, Tihomir Florijančić, Siniša
Ozimec, Andrijana Rebekić, Dražen Degmečić
Povezanost trofejne kvalitete svinje divlje (*Sus scrofa* L.) sa
stanišnim uvjetima u lovištima Splitsko-dalmatinske županije
Relationship between trophy quality of wild boar (*Sus scrofa*
L.) and habitat conditions in the hunting grounds of Splitsko-
Dalmatinska County
- 12:30 Mato Cačić, Dean Konjević, Branimir Reindl, Vesna
Orehovački
Značaj banke gena u uzgoju divljači
The importance of gene bank in breeding of game animals

12:40 **Rasprava / Discussion**

**Poljoprivredna proizvodnja i lokalne akcijske grupe
u južnoj Hrvatskoj**

- **predstavljanje i degustacija tradicionalnih
proizvoda**

**Agricultural Production and Local Action Group in
Southern Croatia**

- **presentation and tasting of traditional
products**

15:00 Dvorana – Elafiti IV – Hall

SRIJEDA / WEDNESDAY | 15.2.2017.

**2 | Agroekonomika i ruralna sociologija /
Agricultural Economics and Rural Sociology |
Dvorana - Elafiti II – Hall**

Moderatori / Moderators: Josip Juračak, Krunoslav Zmaić, Snježana Tolić

- 8:30 Uvodna riječ o radovima u sekciji i održavanju poster sekcije
Foreword about papers and posters in the section
- 8:40 Josip Juračak, Tajana Cop, Vesna Očić
Utjecaj državnih potpora na poslovanje poljoprivrednih
gospodarstava u biljnoj proizvodnji
The impact of state support on crop and horticultural farms
business results
- 8:50 Snježana Tolić, Matija Japundžić, Lidija Maurović Koščak
Razvoj poljoprivrednih gospodarstava uz potporu poslovnog
inkubatora
Development of farms by support of business incubator
- 9:00 Liliana Cimpoies
The competitiveness of agricultural foreign trade
commodities: the case of the Republic of Moldova
- 9:10 Ferhat Cejvanović, Adnan Kamerić, Jonel Subić
Sporazum CEFTA 2006 i vanjskotrgovinska razmjena
poljoprivrednim proizvodima Bosne i Herecegovine
CEFTA 2006 agreement and foreign trade of agricultural
products of Bosnia and Herzegovina
- 9:20 David Kranjac, Krunoslav Zmaić, Tihana Sudarić, Pamela
Vorgić
Projekcija površine i ukupne proizvodnje suncokreta u
Republici Hrvatskoj do 2020. Godine
Forecasting trend of total area and total sunflower production
in the Republic of Croatia
- 9:30 Fateh Muhammad Marri
Online Trading of Chilies in Pakistan: A step towards Market
Transformation
- 9:40 **Rasprava / Discussion**
- 10:00 **Odmor / Coffee break**

Moderatori / Moderators: Ružica Lončarić, Zeljka Mesić, Aleksandar Ostojić

- 10:20 Damir Kovačić, Zeljka Mesić, Marina Tomić, Marija Cerjak
Zadovoljstvo potrošača kupnjom svježeg voća i povrća:
Consumer satisfaction in fresh fruits and vegetables purchase
- 10:30 Zeljka Mesić, Maja Kapetan, Marija Cerjak, Marina Tomić
Utjecaj životnog stila na ponašanje potrošača tradicionalnih
prehrambenih proizvoda
The impact of lifestyle on the consumer behavior of traditional
food products
- 10:40 Aleksandar Ostojić, Zeljko Vaško, Miljan Cvetković
Understanding quality characteristics of apple fruit important
for consumer acceptance
- 10:50 Irena Pugelnik, Ružica Lončarić, Tihana Sudarić
Marketing kao čimbenik povećanja konkurentnosti ekološke
proizvodnje u Republici Hrvatskoj
Marketing as a factor for increasing the competitiveness of
organic farming in Croatia
- 11:00 Vlade Zarić, Borislav Rajković, Sanjin Ivanović
Razlozi i budućnost kupnje voća i povrća na tržnicama
Reasons for fruits and vegetables purchase at farmers' markets
and future of it
- 11:10 Zeljko Vaško, Gordana Rokvić, Aleksandar Ostojić, Danijela
Šijan
Iskustva voditelja projekata prekogranične suradnje
realiziranih između Bosne i Hercegovine i susjednih država
The standpoints of managers of cross-border cooperation
projects implemented between Bosnia and Herzegovina and
neighbouring countries
- 11:20 Mehmet Arif Şahinli , Ahmet Özçelik , Res.Asst. H.Tayyar
Güldal
Evaluation of Economic and Social Impacts On the
Agricultural Enterprises by Agricultural Irrigation in Turkey
- 11:30 Manuel Del Vechio, Luka Samardžija, Siniša Kuzmanović
Analiza percepcije odabira između domaćih i inozemnih vina
istog cjenovnog razreda
Analysis of the perception when choosing between domestic
and foreign wines in the same price range
- 11:40 **Konačna rasprava i zaključci / Final discussion and
conclusions**

12:00 **Posteri / Posters**

Posteri / Posters | Dvorana - Elafiti I – Hall

Moderatori / Moderators: Tihana Sudarić, Marin Cagalj, Jadranka Deže

- 2.01 Ana Crnčan, Ljubica Ranogajec, Jadranka Deže, Lari Hadelan, Jelena Kristić
Ekonomika proizvodnje konzumnih jaja iz obogaćenih kaveza i stajskog sustava držanja
Economic efficiency of producing table eggs in enriched cages and in indoor keeping system
- 2.02 Marin Cagalj, Miro Barbarić, Marko Ivanković
Financijska analiza ekološke proizvodnje smilja u Bosni i Hercegovini
Financial analysis of the ecological production of immortelle in Bosnia and Herzegovina
- 2.03 Tihana Sudarić, Krunoslav Zmaić, Donald John
Innovation and Creativity in Rural Tourism and Experience Economy
- 2.04 Karolina Tušek, Ružica Lončarić
Analiza tržišta duhana u Republici Hrvatskoj
Market analysis of tobacco production in Republic of Croatia
- 2.05 Zrinka Tolušić, Ružica Lončarić, Igor Kralik
Promocija i uvođenje batata u gastro turističku ponudu Virovitičko-podravске županije
Introducing and promotion of sweet potato into the gastro tourism in Virovitica-Podravina County
- 2.06 Magda Guček, Sonja Boštjančič, Jerneja Planinšek Zlof, Darinka Bosnar, Marjana Koren, Jurij Gunzek
How to reduce the Amount of Food Waste – an Example of Good Practice
- 2.07 Daniel Badulescu, Alina Badulescu, Csaba Csintalan
Education for sustainability in rural Romania
- 2.08 Ivan Stupnišek, Marija Cerjak
Stavovi potrošača o deklariranju i označavanju povrća u Republici Hrvatskoj
Consumers attitudes about labeling and designation of vegetables in Croatia

- 2.09 Ivan Stefanić, Edita Stefanić, Nataša Radojčić
Analiza troškova i koristi u kontroli ambrozije za ublažavanje
posljedica alergija
Cost-benefit analysis of ragweed control designed to alleviate
allergenic reactions
- 2.10 Jadranka Deže, Matija Japundžić, Ljubica Ranogajec, Kristić
Jelena, Ana Crnčan
Utjecaj promjenjivih troškova na ekonomske rezultate
proizvodnje mlijeka
Influence of variable costs on economic results in milk
production
- 2.11 Jasna Cačić, Jasenka Gajdoš Kljusurić
Spirits quality policy scheme – advanced data analysis
approach

5 | Ratarstvo / Field Crop Production | Dvorana - Elafiti III – Hall

Moderatori / Moderators: Mirta Rastija, Dario Jareš

- 9:00 Dražen Kaučić, Zdravko Kozić, Antun Vragolović, Mirko Jukić, Hrvoje Šarčević, Ivica Buhiniček
Vrijeme tijekom vegetacije kukuruza u 2016. godini
Weather conditions during the growing season of maize in 2016
- 9:10 Đuro Lukić, Kristijan Puškarić, Robert Matasović, Zoran Kurtović, Ljiljana Turek
BC hibridi kukuruza u proizvodnim pokusima u 2016. godini
BC maize hybrids in production trials in 2016
- 9:20 Dario Jareš, Martina Kovačević, Josip Gmižić, Zlatko Svečnjak
Kvaliteta sjemena inbred linija kukuruza u ovisnosti o vegetacijskoj sezoni
Effect of seed shape and size on germination of maize inbred lines in various growing seasons
- 9:30 Ankica Sarajlić, Emilija Raspudić, Ivana Majić, Marko Josipović, Zdenko Lončarić, Mirjana Brmež
Vizualna procjena osjetljivosti osječkih hibrida kukuruza na napad kukuruznoga moljca
Visual evaluation of the OS maize hybrids for susceptibility to European corn borer attack
- 9:40 Martina Kovačević, Zlatko Svečnjak, Darko Uher, Dubravka Dujmović Purgar, Dario Jareš
Prinos zelene mase i sjemena talijanskog ljulja u ovisnosti o gnojidbi dušikom i roku košnje
Effect of nitrogen fertilization and cutting date on forage and seed yield of Italian ryegrass
- 9:50 Ivan Manolov, Nesho Neshev
Growth and yields of potato varieties depend on potassium fertilizer rate and source
- 10:00 Anyo Mitkov, Nesho Neshev, Mariyan Yanev, Tonyo Tonev
Efficacy and selectivity of herbicides for broadleaf weeds control at winter wheat (*Triticum aestivum* L.)
- 10:10 Osman ÇOPUR
Cotton production in Turkey

10:20 Soňa Gavurníková, Darina Muchová, Michaela Havrlentová,
Andrea Lančaričová, Marcela Gubišová
Quality parameters and using of white poppy seeds in Slovak
Republic

10:30 **Rasprava / Discussion**

10:40 **Odmor / Coffee break**

11:00 **Posteri / Posters | Dvorana – Elafiti I - Hall**

Moderatori / Moderators: Edita Stefanić, Ankica Sarajlić

- 5.01 Marcela Andreato-Koren, Goran Tkaličanac, Dragutin Zibrin,
Marijana Ivanek-Martinčić, Zvezdana Augustinović
Utjecaj veličine i oblika vegetacijskog prostora na prinos
križanaca sirka i sudanske trave
Effect of sowing density and spatial distribution of plants on
sorghum- sudan grass hybrid yield and yield components
- 5.02 Ranko Gantner, Gordana Bukvić, Zvonimir Steiner, Vesna
Gantner, Mario Ronta, Domagoj Zimmer, Anja Milošević,
Josip Nikolić
Prinos i kvaliteta voluminozne krme raznih smjesa ozimih
žitarica i mahunarki
Forage yield and quality of various winter cereal/legume
mixtures
- 5.03 Dalibor Tomić, Vladeta Stevović, Dragan Đurović, Đorđe
Lazarević, Jasmina Knežević
Loss of birdsfoot trefoil seed due to pod shattering
- 5.04 Ismail Yaman, Yasar Akiscan
Relationship among nitrogen fertilizer doses, fiber yield and
some fruit characteristics of luffa
- 5.05 Nikolay Minev, Nedyalka Yordanova, Maya Dimitrova,
Chavdar Dochev, Ivan Kostadinov, Doycho Doychev
Influence of the stage of application and nitrogen forms on
structural elements of maize yield
- 5.06 Marko Josipović, Monika Marković, Antun Jambrović, Miro
Stošić, Hrvoje Plavšić, Marijana Nol
Urod i kvaliteta zrna hibrida kukuruza u različitim tretmanima
navodnjavanja i gnojidbe dušikom
Yield and quality of maize grain in different irrigation and
nitrogen fertilizer treatments
- 5.07 Dario Iljkić, Luka Andrić, Mirta Rastija, Ivana Varga
Naknadni učinak kalcizacije na prinos zrna kukuruza
Residual effect of liming on maize grain yield

- 5.08 Svetla Kostadinova, Galia Panayotova
Content of carbohydrates in wheat in dependence on nitrogen fertilization
- 5.09 Lilyana Koleva, Yanko Zhelezov
Effect of winter oilseed rape cultivars on the population density of pollen beetle (*Meligethes aeneus* F.) in Bulgaria
- 5.10 Nedyalka Palagacheva, Dimitar Kehayov
Investigation of insecticide activity of plant extracts against pollen beetle (*Meligethes aeneus* F.)
- 5.11 Vesna Krsteska, Marija Srbinska
Myzus persicae sulzer on tobacco
- 5.12 Edita Stefanić, Ivan Stefanić, Darko Dimić, Aleksandra Sudarić, Sanda Rašić
Utjecaj međurednog razmaka na korovnu zajednicu u soji
The effect of row spacing on weed community in soybean
- 5.13 Anyo Mitkov, Mariyan Yanev, Nesho Neshev, Tonyo Tonev
Possibilities for chemical control of the weeds at chickpea (*Cicer arietinum* L.)
- 5.14 Zvonko Pacanoski, Zoran Dimov
Selectivity and efficiency of some herbicides against weeds applied to alkaloid poppy (*Papaver somniferum* L.)
- 5.15 Natasha Zdraveska
Dynamics of moisture movement in Prilep and Yaka tobacco
- 5.16 Đurđica Ačkar, Antun Jozinović, Jurislav Babić, Borislav Miličević, Jelena Panak Balentić, Marijana Grec, Drago Šubarić
Svojstva smjesa ječmenog brašna i tropa jabuke modificiranih postupkom ekstruzije
Properties of barley flour and apple pomace mixtures modified by extrusion process

7 | Stočarstvo / Animal Husbandry | Dvorana - Elafiti IV – Hall

Moderatori / Moderators: Pero Mijić, Miljenko Konjačić, Jelena Ramljak

- 9:00 Koturić Tomislav, Matija Domaćinović, Marcela Speranda, Pero Mijić, Mislav Đidara, Branko Kolak
Proizvodni pokazatelji i zdravstveno stanje teladi hranjene različitim udjelima u buragu razgradivog škroba i bjelančevina
Production characteristics and health status of calves fed different amounts of rumen degradable starch and protein
- 9:10 Miljenko Konjačić, Ivan Baričević, Magdalena Zrakić, Nedjeljka Houška, Gordana Županac, Krešimir Salajpal, Ante Ivanković, Jelena Ramljak
Obilježja uzgoja teladi na obiteljskim poljoprivrednim gospodarstvima Zagrebačke županije
Characteristics of calves breeding on Zagreb County family farms
- 9:20 Jelena Ramljak, Ante Ivanković, Valentino Držaić, Miljenko Konjačić
Frekvencija GHR gena tovnih goveda u Republici Hrvatskoj
Frequency of the GHR gene in beef cattle in Croatia
- 9:30 Božidarka Marković, Milan Marković, Milena Đokić
The morphological characterisation of donkey population in Montenegro
- 9:40 Kristina Gvozdanović, Polona Margeta, Ivona Djurkin Kušec, Miodrag Komlenić, Goran Kušec, Vladimir Margeta
Zaštita autohtonih poljoprivrednih i prehrambenih proizvoda od svinjskog mesa
Protection of autohtonous agricultural and food products from pork
- 9:50 Jakov Jurčević, Tomislav Speranda, Zdenko Lončarić, Mislav Đidara, Marcela Speranda
Promjene aktivnosti glutation peroksidaze i superoksid dismutaze u plazmi odbite prasadi hranjene uz dodatak različitih izvora organskoga selena
Changes in activity of glutathione peroxidase and superoxide dismutase in weaned pigs fed with addition different sources of selenium

10:00 **Rasprava / Discussion**

10:10 **Odmor / Coffee break**

Moderatori / Moderators: Zvonko Antunović, Zlatko Janječić, Danijela Samac

- 10:30 Zlatko Janječić, Dalibor Bedeković, Goran Kiš, Gordana Duvnjak, Dragutin Vincek
Reprodukcijski i proizvodni pokazatelji uzgoja dravske guske na gospodarstvima Varaždinske županije
Reproductive and productive parameters of growing Dravska geese on farms of Varazdin County
- 10:40 Vedran Nervo, Marijana Vrbančić
Mogućnost korištenja pataka indijskih trkačica u ekološkoj poljoprivredi
Breeding of Indian runner ducks in ecological agriculture
- 10:50 Marijana Vrbančić, Vedran Nervo
Kvaliteta jaja pataka Indijskih trkačica
The egg quality of indian runner duck
- 11:00 Luka Brezinščak, Dario Gazić, Boro Mioč
Važnost ovaca i koza u zaštiti okoliša
The importance of sheep and goats in environmental protection
- 11:10 Mato Čačić, Vesna Orehojački, Marija Spehar, Mirna Dadić, Vlatka Čubrić Čurik, Ino Čurik
Prepreke očuvanju izvornih pasmina i razvoju banke gena
Obstacles to the preservation of native breeds and the development of gene bank
- 11:20 Kristina Gvozdanić, Ivona Djurkin Kušec, Polona Margeta, Goran Kušec, Vladimir Margeta
Autentifikacija proizvoda primjenom molekularno-genetskih metoda
Application of molecular genetic methods for food authentication
- 11:30 Izabela Novaković, Pero Mijić, Vesna Gantner
Klimatske promjene i mogućnost smanjenja stakleničkih plinova s osvrtom na animalnu proizvodnju
Climate change and the possibility of reducing greenhouse gas emissions with regard to animal production
- 11:40 Levent Coşkuntuna, Sevilay Gül
Investigations Feed Value of Vetch (*Vicia Narbonensis*) Silage
- 11:50 H. A. Hamdon, M. M. Farghaly
Effect of dietary yeast supplementation on lambs growth and carcass traits
- 12:00 Taki Karşlı, Murat Soner Balcıoğlu
Determination of genetic polymorphism in Guney Karaman local Turkish sheep breed by using STR markers

12:10 Rasprava / Discussion

12:20 Poster / Posters

Poster / Posters | Dvorana – Elafiti I – Hall

Moderatori / Moderators: Ante Ivanković, Dragan Solić, Ivana Klarić

- 7.01 Ivana Pozojević, Ante Ivanković, Jelena Ramljak
Utjecaj genetske strukture hrvatskog športskog konja i hrvatskog toplokrvnjaka na rezultate u preponskom jahanju
The effect of the genetic structure of Croatian sports horse and Croatian warmblood on the show jumping results
- 7.02 Mato Cačić, Marija Spehar, Vesna Orehovački, Danijela Stručić, Zoran Grgić
Utjecaj pasminske strukture krava u mliječnim stadima na svojstva mliječnosti
The effect of breed on milk production traits in dairy herds
- 7.03 Miloš Petrović, Radojica Đoković, Milun D. Petrović, Marko Cincović, Nedeljko Karabasil
Analyse of the degree covering of young bull carcass with fat tissue according to EU standard
- 7.04 Ivan Babić, Ivana Klarić, Mario Ronta, Josip Novoselec, Mia Rako, Zvonimir Steiner
Utjecaj spola na dnevne priraste i konverziju hrane u teladi hranjenih mliječnom zamjenicom
The influence of gender on daily gains and feed conversion in calves fed milk replacer
- 7.05 Ivan Babić, Ivana Klarić, Mario Ronta, Josip Novoselec, Lara Stojanović, Zvonimir Steiner
Obilježja rasta teladi hranjenih s mliječnim zamjenicama koje sadrže različite razine proteina i energije
Characteristics of growth of calves fed with milk-replacement drinks containing different levels of protein and energy
- 7.06 Ante Bagarić, Pero Mijić, Tina Bobić, Zdenko Ivkić
Utjecaj broja somatskih stanica na količinu proizvedenog kravljeg mlijeka
Influence of somatic cell on the amount of cow's milk
- 7.07 Tina Bobić, Tomislav Novak, Pero Mijić, Vesna Gantner, Maja Gregić, Mirjana Baban
Proizvodna svojstva Jersey goveda na području Istočne Hrvatske
Production traits of Jersey cattle in region of the Eastern Croatia

- 7.08 Dragan Solić, Krešimir Kuterovac, Vesna Gantner
Varijabilnost trajanja servis razdoblja kod holstein i
simentalske pasmine krava
Variability of service period in Holstein and Simmental cattle
breed
- 7.09 Bozo Važić, Vladimir Burazor, Goran Mirjanić, Zeljko
Sladojević
Analiza kvaliteta mlijeka otkupljenog u Republici Srpskoj
(BiH) od 2010. do 2015. godine
Analysis of milk quality purchased in the Republic of Srpska
(B&H) in period from 2010 to 2015
- 7.10 Ivana Klarić, Matija Domaćinović, Dalida Galović, Mirela
Pavić, Mario Ronta, Zvonimir Steiner
Menta (*Mentha piperita*) u hranidbi domaćih životinja
Peppermint (*Mentha piperita*) in domestic animal nutrition
- 7.11 Krešimir Salajpal, Vedran Klišanić, Sven Menčik, Zeljko
Mahnet, Dubravko Skorput
Stanje i perspektiva uzgoja Banijske šare svinje
Current state and perspective of Banija spotted pig breed
- 7.12 Danijela Samac, Đuro Senčić, Zvonko Antunović, Zvonimir
Steiner, Josip Novošelec, Ivana Klarić, Željka Klir, Mario
Ronta, Elvira Bugarić
Utjecaj završne tjelesne mase na kakvoću polovica, mesa i
kulena od crnih slavonskih svinja
Influence of final body weight on quality of carcasses, meat
and kulen of the Black Slavonian pigs
- 7.13 Đuro Senčić, Danijela Samac
Tovna i klaonička svojstva crnih slavonskih svinja hranjenih
obrocima sa i bez zelene mase (lucerne)
Fattening and slaughtering traits of Black Slavonian pigs fed
diets with and without green feed (alfalfa)
- 7.14 Boris Lukić, Nikola Raguž, Ivona Djurkin-Kušec, Goran
Kušec
Metode utvrđivanja androstenona i skatola u masnom tkivu
svinja
Methods for the detection of androstenone and skatole from
adipose tissue
- 7.15 Zoran Luković, Iva Ivšac, Dubravko Skorput, Krešimir
Salajpal, Danijel Karolyi
Dobrobit turopoljske svinje u otvorenom sustavu držanja
The welfare of Turopolje pig in outdoor system

- 7.16 Ivan Zivković, Kristina Gvozdanović, Dalida Galović, Zvonimir Steiner, Vladimir Margeta
Lucerna kao bjelančevinasti dodatak u hranidbi crne slavonske svinje-fajferice
Alfalfa as a protein supplement in feeding of Black Slavonian pig-fajferica
- 7.17 Larisa Caisin, Vasile Vrancean, Vladimir Anton, Ludmila Bivol
The effect of replacement of fishmeal with feather meal on the performance of broiler chickens on the performance of broiler chickens
- 7.18 Zlata Kralik, Zdenko Lončarić, Manuela Grčević, Zarko Radišić, Dalida Galović, Emilija Cimerman
Utjecaj korištenja biofortificiranog kukuruza u hrani za nesilice na kvalitetu jaja kokoši hrvaticе
The impact of biofortified corn in feed for laying hens on hrvatica hens' egg quality
- 7.19 Zlata Kralik, Bojana Ljuboja
Kvaliteta jaja različitih vrsta peradi
Quality of eggs of different poultry species
- 7.20 Vedran Nervo, Marijana Vrbančić
Fenotipska obilježja pataka Indijskih trkačica
Phenotypic characteristics of Indian runner ducks
- 7.21 Zvonko Antunović, Josip Novoselec, Vinko Sičaja, Danijela Samac, Željka Klir
Klaonički pokazatelji i mjere razvijenosti trupova janjadi iz ekološkog uzgoja
Slaughter traits and carcass measures of lambs from organic farming
- 7.22 Zvonko Antunović, Josip Novoselec, Vinko Sičaja, Zvonimir Steiner, Mario Ronta, Željka Klir
Proizvodna svojstva i indeksi tjelesne razvijenosti sisajuće janjadi u ekološkom uzgoju
Production traits and body development indices of suckling lambs in organic farming
- 7.23 Víctor Díaz-Echeverría, Fernando Casanova-Lugo, Angel Piñeiro-Vázquez, Alfonso Chay-Canul, William Cetzal-Ix, Amelia Cen-Hoy1 Saikat K. Basu, Peiman Zandi, S. K. Chalaras
Report on voluntary intake and ruminal protozoa population in sheep fed *Leucaena leucocephala* (Lam.) and increasing levels of *Manihot esculenta* Crantz

- 7.24 Valentino Držaić, Ante Kasap, Ivan Sirić, Zvonimir Prpić, Boro Mioč
Utjecaj polimorfizma MTNR1A gena na sezonsku pojavu janjenja Suffolk pasmine
Effect of the polymorphism of MTNR1A gene on seasonal occurrence of lambing in Suffolk breed
- 7.25 Ante Kasap, Ana Kaić, Ivan Sirić, Boro Mioč
Utjecaj spola i mase trupa na boju mesa krčke janjadi
The influence of sex and carcass weight on meat colour of Krk lambs
- 7.26 Josip Novoselec, Domagoj Oršolić, Dejan Kožarić, Zeljka Klir, Mario Ronta, Zvonko Antunović
Fenotipske odlike creske ovce
Phenotypic characteristic of Cres sheep
- 7.27 E. Diaz-Avila, M. Barbera, A. Gracia, L. Rey, M.R. Ventura
Growth performance of rabbits supplemented with Maralfalfa grass (*Pennisetum* sp.), Elephant grass (*Pennisetum purpureum*) and hydroponically-grown barley (*Hordeum vulgare*)
- 7.28 Abdelmalek Meribai, Abdelouahab Diafet, Ahmed Bensoltane
Raw camel milk production in four Algerians southeastern arid provinces: composition and physico-chemical quality, constraints related to collection, storage and transport
- 7.29 Milna Tudor Kalit, Iva Dolenčić Spehar, Krešimir Salajpal, Dubravka Samaržija, Samir Kalit
The influence of milk standardisation on the sensory properties of Škripavac cheese
- 7.30 A. Suárez-García, D. Afonso- Morales, J.M.. Corcuera, M.R. Ventura
Chemical composition of fodder legumes species: *Vicia* (articulata, ervilia, sativa) and *Lathyrus* (clymenum, cicera, sativus, tingitanus), for feed to ruminants

Četvrtak / Thursday | 16.2.2017.

**1 | Agroekologija, ekološka poljoprivreda i zaštita
okoliša / Agroecology, Organic Agriculture and
Environment Protection | Dvorana - Elafiti II –
Hall**

Moderatori / Moderators: Zdenko Lončarić, Domagoj Rastija

- 8:00 Vladimir Zebec, Domagoj Rastija, Zdenko Lončarić, Meri Engler, Zoran Semialjac
Cation exchange capacity of luvisol and gleysols
- 8:10 Miroslav Periškić, Miroslav Dadić, Vladimir Zebec, Domagoj Rastija, Zoran Semialjac
Usporedba metoda za određivanje potreba za navodnjavanjem na različitim tipovima tala
Comparison of soil water deficit methods on different soils types
- 8:20 Andrijana Rebekić, Sanja Grubišić, Sonja Petrović, Zdenko Lončarić
In vitro bioavailability of zinc and iron in wheat grain
- 8:30 Višnja Vučetić
The role of agrometeorology in sustainable agriculture
- 8:40 Nebojša Jerković, Jelena Đugum, Zoran Mateljak, Mirna Habuda-Stanić
Resursni potencijali delte Neretve
Resource potential of the Neretva delta
- 8:50 Rajko Milošević
Biomelioration rehabilitation measures in ash landfill in the municipality of Obrenovac (Serbia)
- 9:00 Jalal Jalilian, Azin Najafabadi
The effect of different farming systems and intercropping patterns on qualitative characteristics of safflower and bitter vetch forage
- 9:10 **Rasprava/Discussion**
- 9:20 **Odmor / Coffee break**

Moderatori / Moderators: Anita Liška, Andrijana Rebekić

- 9:30 Hristina Kutinkova, Stefan Gandev, Nedyalka Palagacheva, Vasilij Dzhuvinov, B. Lingren
Ecological approach for control of oriental fruit moth, *Cydia molesta* Busck and peach twig borer *Anarsia lineatella* Zell. using pheromone dispensers

- 9:40 Pavo Lucić, Vlatka Rozman, Anita Liška, Renata Baličević, Marija Ravlić
Laboratorijska procjena insekticidne učinkovitosti biljnih ekstrakata u suzbijanju žitnog kukuljičara (*Rhizopertha dominica* Fab.)
Laboratory evaluation of insecticidal efficiency of plant extracts in lesser grain borer (*Rhizopertha dominica* Fab.) suppression
- 9:50 Ivan Paponja, Anita Liška, Vlatka Rozman, Pavo Lucić
Procjena inertnog prašiva Protect-It® u kontroli žitnog kukuljičara *Rhizopertha dominica* Fab. na različitim sortama pšenice, raži i zobi
Assessment of inert dust Protect-It® in the control of lesser grain borer *Rhizopertha dominica* Fab. on different varieties of wheat, rye and oats
- 10:00 Radenka Đurasović, Sanel Ridanović, Denisa Zujo Zekić, Lejla Ridanović
Pregled faune Odonata i njihovih staništa na području Nevesinjoj polja
An overview of the fauna of dragonflies (Odonata) and their habitats within nevesinje field
- 10:10 Jelena Ilić, Jasenka Cosić, Karolina Vrandečić, Krunoslav Dugalić, Ankica Pranjčić, Jesus Martin
Influence of endophytic fungi isolated from symptomless weed on cherry plants
- 10:20 **Rasprava/Discussion**
- 10:30 **Odmor / Coffee break**
- 10:40 **Posteri / Posters**

Posteri / Posters | Dvorana – Elafiti I – Hall

Moderatori/Moderators: Jelena Ilić, Vladimir Zebec

- 1.01 Jaroslav Antal, Elena Kondrlova
The application of hydrologic and hydraulic principles for design of erosion control measures
- 1.02 Veselin Arnaudov, Radoslav Andreev, Hristina Kutinkova, Svilen Raikov
First record of *Eurytoma schreineri* Schreiner (Hym., Eurytomidae) in Bulgaria
- 1.03 Bezakova Ivana, Hašana Roman, Bušo Rastislav
Effect of different soil tillage on earthworms life

- 1.04 Salma Chaib, Badea Bassa, Amina Saadi, Ahlem Rayane, Ourida Kherbouche-Abrous, Lynda Beladjal
Biodiversity of spiders in three orchards at the hunting reserve of Zeralda (Algeria)
- 1.05 Lepomir Coga, Sanja Slunjski, Vesna Jurkić, Ivan Pavlović
Utjecaj Zračne luke Dubrovnik na onečišćenje tla teškim metalima i organskim onečišćujućim tvarima
The influence of the Dubrovnik Airport on soil contamination with heavy metals and organic pollutants
- 1.06 Sezai Delibacak, Ali Rıza Ongun
Heavy metal contents of corn and wheat grains grown in sandy loam soil after two years sewage sludge applications
- 1.07 Diyan Georgiev, Teodora Mihova, Boryana Brashlyanova, Petya Ivanova, Maria Georgieva, Denitsa Hristova
Observing the changes in biochemical composition of fresh and dried aronia fruits with conventional and organic fertilizing
- 1.08 Diyan Georgiev, Petko Minkov, Nedyalka Palagacheva, Vasiliy Dzhuvinov
Drosophila suzukii (Diptera: Drosophilidae): Invasive pest of ripening soft fruits in the Central Balkan Mountain region of Bulgaria- preliminary results
- 1.09 Vladimir Ivezić, Meri Engler, Krunoslav Karalić, Zdenko Lončarić, Brigita Popović, Jelena Pena
Učinak novih materijala za kalcizaciju na pH reakciju tla i prinos lucerne
The effect of new liming material on the soil pH and yield of alfalfa
- 1.10 Monika Jakobović, Josipa Puškarić, Emilija Raspudić, Karolina Vrandečić, Mirjana Brmež
Utjecaj biljaka s nematocidnim djelovanjem na nematode u tlu
Effect of nematicidal plants on soil nematodes
- 1.11 Biljana Lolić, Duška Delić, Mariana Radulović, Mirela Kajkut Zeljković, Marina Antić, Vida Todorović, Gordana Đurić
Screening for the economic important viruses of beans accessions in collection in Gene Bank in Republic of Srpska
- 1.12 Anita Liška, Zlatko Korunić, Vlatka Rozman, Pavo Lucić, Renata Baličević, Josip Halamić, Ines Galović
Evaluation of the insecticidal efficacy of the formulations based on inert dust and botanicals against rice weevil *Sitophilus oryzae* L.

- 1.13 Boško Miloš, Aleksandra Bensa
Spatial variability of selected soil properties in the estuary of Neretva river, Croatia
- 1.14 Ivana Ravlić, Danijel Sabić
Izračun emisija stakleničkih plinova iz uzgoja uljane repice
Calculation of greenhouse gas emissions from rapeseed cultivation
- 1.15 Ahlem Rayane , Meriem Kroun , Salma Chaib , Ilham Sahki , Ourida Kherbouche-AbrouS , Lynda Beladjal
Biodiversity and ecology of chilopoda and diplopoda(arthropoda, myriapoda) in three orchards at hunting reserve of zeralda (Algeria)
- 1.16 Marija Srbinska, Vesna Rafajlovska, Vesna Radojičić, Vesna Krsteska, Jana Simonovska, Nermina Djulančić
The possibility of using oriental tobacco stalks as lignocellulosic material
- 1.17 Ivan Sirić, Ivica Kos, Ante Kasap, Ana Kaić, Valentino Držaić, Luka Rakić
Mercury bioaccumulation by wild edible mushrooms
- 1.18 Ivica Snajder, Dinko Zima, Mario Jakobović, Ana Marija Benčić
Primjena bioloških pripravaka i kompostnog čaja na pojedine biljne vrste
Application of eco enzymes and compost tea on individual plant species
- 1.19 Andrija Spoljar, Ivka Kvaternjak
Mehanički otpor tla u prirodnim ekosustavima
Mechanical resistance of soil in natural ecosystems
- 1.20 Ivna Stolf Camagajevac, Mirna Velki, Péter Engelmann, Rosemary Vuković, Sandra Ečimović, Kornélia Bodó, Zorana Katanić, Gréta Tolnai, Zdenko Lončarić
Utjecaj selena na sustav biljka-tlo-gujavica
Selenium impact on the plant-soil-earthworm system
- 1.21 Topolovec-Pintarić Snježana, Vinceković Marko, Jalšenjak Nenad, Martinko Katarina, Žutić Ivanka, Đermić Edyta
Prototip biognojiva: mikrokapsule na osnovu *Trichoderma viride* i kalcija
Prototype of Tomato Biofertilizer: *Trichoderma viride* and calcium based microcapsules

- 1.22 Jolanta Treinyte, Violeta Grazuleviciene
Effect of Crude Glycerol on the Properties Horn Meal Filled Poly(vinyl alcohol) Composites as Materials for Mulching Coatings
- 1.23 Vinceković Marko, Topolovec-Pintarić Snježana, Jalšenjak Nenad, Žutić Ivanka, Đermić Edyta, Jurić Šlaven, Viskičić Marko, Bujan Marija, Martinko Katarina
Simultaneous encapsulation of bioactive agents in protection and plant nutrition
- 1.24 Dinko Zima
Istraživanje botanički vrijednih vrsta na području Turjak-Mališćak-Pliš-Lapjak u Parku prirode Papuk
Research botanical valuable species in the area Pliš-Mališćak-Turjak-Lapjak in Nature Park Papuk
- 1.25 Samira Bouseksou, Ourida Kherbouche-Abrous
Assessing on biodiversity of *Araneae* (*Arachnida*, *Arthropoda*) in wheat field at Mitidja region (Algeria)
- 1.26 Simona Paulikiene, Algirdas Raila, Renata Zvirdauskiene, Egidijus Zvicevicius
The application of ozonated water as a technology in vegetable storage and preservation

8 | Voćarstvo, vinogradarstvo i vinarstvo / Pomology, Viticulture and Enology

Voćarstvo / Pomology | Dvorana – Elafiti III – Hall

Moderatori / moderators: Aleksandar Stanisavljević, Tvrtko Jelačić

- 8:30 Aleš Vokurka, Tanja Krmpot, Nikita Fajt, Erika Komel, Ljubomir Radoš
Identitet lokalnih genotipova trešnje: sorte ili klonovi?
The Identity of Local Sweet Cherry Genotypes: Varieties or Clones?
- 8:40 Aleksandar Stanisavljević, Dejan Bošnjak, Ivna Stolfa, Marija Špoljarević, Brigita Popović, Miroslav Lisjak, Tihana Teklić
Suвременa klonska reprodukcija biljaka
Contemporary clonal reproduction of plants
- 8:50 A.A. Polat, O. Caliskan
Morphological and Pomological Traits of Some Fig Cultivars and Genotypes in Mediterranean Region of Turkey
- 9:00 A.A. Polat, O. Caliskan
Correlations between Important Fruit Quality and Plant Characteristics of Some Fig Genotypes
- 9:10 Kamel Nagaz, Fathia El Mokh, Moncef Masmoudi, Netij Ben Mechlia, Mohamadou Ould Baba Sy, Giorgio Ghiglieri
Improved water productivity by deficit irrigation: implications for water saving in orange, olive and vineyard orchards in arid conditions of Tunisia
- 9:20 Ines Mihaljević, Domagoj Simić, Krunoslav Dugalić, Vesna Tomaš, Marija Viljevac Vuletić, Dominik Vuković, Hrvoje Lepeduš
Fluorescencija klorofila a kao indikator toplinskog stresa pet kultivara jabuka
Chlorophyll a fluorescence as an indicator of heat stress in five apple cultivars
- 9:30 Mazen A. Ateyyat, Mohmmad Al-alawi
Seasonal variations in abundance and flight activity of the hairy rose beetle, *Tropinota squalida* (scopoli) in apple and cherry orchards and its relation to flowering in Southern Jordan

- 9:40 Ivana Pajač Zivković, Tomislav Jemrić, Mladen Fruk, Božena Barić
Upotreba protugradnih mreža u zaštiti od važnih štetnika breskve
The use of anti-hail nets against peach key pests
- 9:50 Vesna Tomaš, Ines Mihaljević, Dominik Vuković, Marija Viljevac Vuletić, Krunoslav Dugalić
Utjecaj bioloških mjera na suzbijanje obične kruškine buhe (*Cacopsylla pyri* L.)
The impact of biological measures on pear psylla (*Cacopsylla pyri* L.) control

10:00 **Rasprava / Discussion**

10:20 **Poster / Posters**

**Vinogradarstvo i vinarstvo / Viticulture and Enology
Dvorana – Elafiti IV – Hall**

Moderatori / moderators: Vladimir Jukić, Mato Drenjančević

- 8:30 Goran Zdunić, Ana Mucalo, Irena Budić Leto, Maja Ozretić Zoković, Katarina Lukšić, Marijo Leko, Edi Maletić
Diferencijacija između dvije podvrste *Vitis vinifera* subsp. *sativa* i *sylvestris*: fenotipske varijacije hrvatskih primki
Differentiation between two subspecies *Vitis vinifera* subsp. *sativa* and *sylvestris*: phenotypic variability among Croatian accessions
- 8:40 Ivan Prša, Silvio Simon, Marko Karoglan, Višnja Vučetić, Ivana Vladimira Petric
Agroklimatski indeksi i rasprostranjenost sorata vinove loze u Republici Hrvatskoj
Agroclimatic indices and the distribution of grapevine varieties in Republic of Croatia
- 8:50 Aida Dervishi, Zonje Belaj, Hairi Ismaili, Ornela Bocova
Preliminarni rezultati ampelografske karakterizacije najznačajnijih autohtonih sorata vinove loze (*Vitis vinifera* L.) Albanije
Preliminary results of ampelographic characterization of the main autochthonous grapes (*Vitis vinifera* L.) from Albania
- 9:00 Darko Cenbauer, Ivana Vladimira Petric, Silvio Simon, Edi Maletić, Zvezdana Marković, Domagoj Stupić, Željko Andabaka, Darko Preiner
Gospodarska svojstva klonskih kandidata cv. Graševina (*Vitis vinifera* L.) izdvojenih u kutjevačkom vinogorju
Economically important characteristics of cv. Graševina (*Vitis*

- vinifera* L.) clonal candidates selected in Kutjevo wine region
- 9:10 Dragoslav Ivanišević, Nada Korać, Petar Cindrić, Mira Medić, Mladen Kalajdžić
 Biološke i gospodarske karakteristike novih klonova Graševine
 Biological and productive characteristics of new Riesling italico clones
- 9:20 Ana Mucalo, Goran Zdunić, Edi Maletić
 Polifenolni profil grožđa sorte 'Plavac mali' (*Vitis vinifera* L.) tijekom zrenja
 Polyphenolic profile of the grapes of 'Plavac Mali' (*Vitis vinifera* L.) during ripening
- 9:30 Toni Kujundžić, Dražen Horvat, Alka Turalija, Mato Drenjančević, Vladimir Jukić
 Utjecaj rane defolijacije na neke kvalitativne karakteristike grožđa i mošta kultivara Merlot
 The influence of early leaf removal on some quality parameters of must and grapes varieties Merlot
- 9:40 Franziska Braun
 Neugodne arome sjevernoameričkih vrsta *Vitis riparia*, *Vitis cinerea* i *Vitis labrusca*
 Off-flavors in the North American Species *Vitis riparia*, *Vitis cinerea* and *Vitis labrusca*
- 9:50 Kristine Margaryan, Rouben Aroutiounian, Vladimir Jukić, Toni Kujundžić, Mato Drenjančević
 Sadržaj ukupnih polifenola i antioksidativna aktivnost nekih armenskih i hrvatskih vina autohtonih sorti grožđa
 Total phenolic content and total antioxidant activity of Armenian and Croatian local red wines

10:00 **Rasprava / Discussion**

10:20 **Posteri / Posters**

Posteri / Posters | Dvorana – Elafiti I – Hall

Moderatori/Moderators: Vladimir Jukić, Aleksandar Stanisavljević

- 8.01 Tatjana Jovanović-Cvetković, Dragutin Mijatović, Zorica Ranković Vasić, Ivana Radojević, Dragan Nikolić
 Mogućnosti uzgoja stolnih sorata međuvrtnih križanca u uvjetima Kozaračkog vinogorja
 The possibility of growing table grape varieties of interspecific hybrid type in conditions of Kozara wine region

- 8.02 Poposka Hristina, Stojanova Marina, Mukaetov Dusko, Mirjana Herak Čustić Silvana M. Simić, Milena M. Kolevski
Utjecaj folijarne gnojidbe na produktivnost i kakvoću stolnog grožđa cv. Cardinal
Effect of foliar fertilization on productivity and quality of table grape, cv. Cardinal
- 8.03 Ivana Horvat, Sanja Radeka, Tomislav Plavša, Igor Lukić
Bentonite in fermentation of Malvazija istarska must reduces the dose required and limits the hydrolysis of hydroxycinnamoyltartaric acids
- 8.04 Renata Leder, Silvio Simon, Ivan Prša, Tatjana Varga, Ivana Vladimira Petric
Klasifikacija odabranih hrvatskih bijelih vina različitih zaštićenih oznaka izvornosti prema sastavu makro i mikroelemenata
Classification of selected Croatian white wines from different Protected Designations of Origin by macro- and microelements composition
- 8.05 Martina Lipar, Zvonimir Savić, Gordana Bosankić, Ivana Vladimira Petric
Promet vina i stanje površina sorata Pinot bijeli, Pinot sivi i Pinot crni u Hrvatskoj
Trade of wine and condition the surface varieties Pinot Blanc, Pinot Gris and Pinot Noir in Croatia
- 8.06 Darko Cenčauer, Silvio Simon, Mirko Batušić, Gordana Bosankić, Željka Bedek
Promet i kakvoća pjenušavih vina u Republici Hrvatskoj od 2011. do 2015. godine
Trading and quality of sparkling wines in Republic of Croatia for the period 2011 to 2015.
- 8.07 Jurij Gunzek, Sonja Boštjančič, Jerneja Planinšek-Zlof, Darinka Bosnar, Natalija Brečko, Magda Guček
Kvaliteta arhivskih vina Rajnskog rizlinga
The quality of the archival wines of the Riesling variety
- 8.08 Ljubomir Radoš, Bojana Vučković, Tanja Krmpot, Borut Bosančić
Varijabilnost morfoloških karakteristika ploda sorte kruške Lubeničarka
Variability of morphological characteristics of the fruit varieties of pears Lubeničarka

- 8.09 Kristina Batelja Lodeta, Bruno Vujević, Zlatko Cmelik, Snježana Kereša
Morfološka svojstva pet tradicionalno udomačenih sorata jabuka s područja Bjelovarsko-bilogorske županije
Morphological traits of five traditionally grown domesticated apple varieties in Bjelovar Bilogora County
- 8.10 Zvonimir Savić, Darija Vranešić Bender, Daniel Segarić, Jelena Đugum
Pregled uzgoja višnje maraske, breskve i smokve u Zadarskoj županiji i njihov značaj u prehrani
review of cultivation of sour cherry Marasca, peach and fig in Zadar County and their importance in the diet
- 8.11 Igor Lukić, Marin Krapac, Mirella Zanetić, Maja Jukić Spika, Ivana Horvat, Sara Godena, Karolina Brkić Bubola
Effect of Istarska bjelica and Oblica cvs. fruit maturity on virgin olive oil phenolic composition and related typical sensory properties
- 8.12 Ivan Minev, Boryana Stefanova, Georgi Popski
Morphological characteristics of fruits and structural analysis of yields of some plum cultivars
- 8.13 Boryana Stefanova, Georgi Popski, Ivan Minev
Influence of some soil and climate factors of the region of Troyan over the yield and quality of plum fruits of 'Katinka', 'Tegera', 'Elena' cultivars, in natural grass establishment
- 8.14 Bernardica Milinović, Dunja Halapija Kazija, Tvrtko Jelačić, Danijel Čiček, Ante Biško, Predrag Vujević
Sušene jabuke kao proizvod s dodanom vrijednošću dobiven u sustavu održive voćarske proizvodnje
Dried apples as a value added product obtained from sustainable fruit production
- 8.15 Tvrtko Jelačić, Bernardica Milinović, Dunja Halapija Kazija, Predrag Vujević, Danijel Čiček, Ante Biško
Utjecaj pred tretmana u procesu sušenja šljiva
Influence of pre-treatments in plum drying process
- 8.16 Dunja Halapija Kazija, Bernardica Milinović, Tvrtko Jelačić, Danijel Čiček, Ante Biško, Predrag Vujević
Kvaliteta ploda tradicionalnih sorti jabuke u intenzivnom sustavu proizvodnje
Fruit quality parameters in traditional apple varieties in intensive production system

9 | Poljoprivredna tehnika / Agricultural Engineering | Dvorana - Bokar – Hall

Moderatori / Moderators: Đuro Banaj, Sandra Voća, Nikola Bilandžija

- 8:30 Alan Antonović, Tajana Krička, Ana Matin, Neven Voća, Vanja Jurišić, Nikola Bilandžija, Mateja Grubor, Juraj Stanešić
Lignocelulozni sastav biomase važnijih uljarica i žitarica u Republici Hrvatskoj
Lignocellulosic Composition of Some Important Oilseeds and Grains Biomass in the Republic of Croatia
- 8:40 Nikola Bilandžija, Vanja Jurišić, Ana Matin, Tajana Krička, Mateja Grubor, Alan Antonović, Neven Voća, Danijela Slipčević
Piroliza orezanih ostataka važnijih mediteranskih voćnih kultura – energetska karakterizacija bio ugljena
Pruned residues pyrolysis of major Mediterian fruit cultures – biochar energy properties
- 8:50 Manol Dallev, Ivan Ivanov, Rada Popova
Investigation of control erosion by surface treatment of the soil with tillage active body
- 9:00 Mateja Grubor, Tajana Krička, Vanja Jurišić, Alan Antonović, Neven Voća, Nikola Bilandžija, Ana Matin
Energetska iskoristivost poslijezetvenih ostataka uljarica u Republici Hrvatskoj
Energetic utilization of oilseeds' post-harvest residues in Croatia
- 9:10 Branka Ilakovac, Ivana Gudelj, Neven Voća
Hijerarhija gospodarenja otpadom od hrane s naglaskom na zbrinjavanje kroz bioplinska postrojenja
The food waste hierarchy with a focus on treatment in biogas plants
- 9:20 **Rasprava / Discussion**
- 9:30 **Odmor / Coffee break**

Moderatori / Moderators: Neven Voća, Vanja Jurišić

- 9:50 Vanja Jurišić, Neven Voća, Nikola Bilandžija, Tajana Krička, Alan Antonović, Mateja Grubor, Ana Matin, Mislav Kontek
Pirolytička svojstva važnijih energetske kulture u RH
Pyrolysis properties of major agricultural energy crops
- 10:00 Krešimir Kožić, Ana Budimir, Darko Kiš. Danijela Slipčević
Navodnjavanje kao agrotehnička mjera u proizvodnji duhana
Irrigation as agrotechnical measure in tobacco production
- 10:10 Tajana Krička, Neven Voća, Vanja Jurišić, Ana Matin, Nikola Bilandžija, Alan Antonović, Danijela Slipčević
Pretvorba poljoprivrednih ostataka i energetske kulture u energiju i proizvode dodane vrijednosti – bioulje i biougljen
Converting Waste Agricultural Biomass and Dedicated Crops into Energy and Added Value Products – Bio-Oil and Biochar Production
- 10:20 Ana Matin, Tajana Krička, Alan Antonović, Neven Voća, Vanja Jurišić, Nikola Bilandžija, Iva Pankretić, Mateja Grubor, Danijela Slipčević
Iskoristivost zobi u nutritivne i energetske svrhe
Oat utilization for nutrition and energy purposes
- 10:30 Murat Şahin, Ahmet Eşitken, Lütfi Pirlak
Effects of mulch treatments on lateral branching of sweet cherry trees
- 10:40 Sandra Voća, Jana Sic Zlabur, Nadica Dobričević, Daniela Patricia Bilić, Ante Galić, Stjepan Plietić
Utjecaj načina ekstrakcije na prinos fenola iz praha crnoplode aronije
The influence of extraction method on the phenol yield from chokeberry powder

10:50 **Posteri / Posters**

Posteri / Posters | Dvorana – Elafiti I – Hall

Moderatori/Moderators: Darko Kiš

- 9.01 Zeljko Barač, Ivan Vidaković, Domagoj Zimmer, Valentina Ermenić
Odnos agrotehničkih zahvata na proizvedenu razinu vibracija te njihov utjecaj na sustav ruka-šaka rukovatelja traktora
The relationship of agrotechnical interventions on the level of vibrations produced and their influence on the system hand-arm of the operator of the tractor
- 9.02 Ivica Prpić
Tehničke specifikacije i radni učinci ratarske prskalice neophodni su za preciznu i sigurnu primjenu pesticida
The technical specifications and performance of a field sprayer are essential for the precise and safe application of pesticides
- 9.03 Ivan Vidaković, Zeljko Barač, Domagoj Zimmer, Antonio Đurkić
Gospodarenje otpadom u tvrtki „Tvornica ulja Čepin d.d.“
Waste management in the company of oil factory Čepin d.d. "
- 9.04 Domagoj Zimmer, Zeljko Barač, Ivan Vidaković, Mario Ronta, Pavo Lucić, Ivan Sarić
Sjetva uljane repice (*Brassica napus* L.) uporabom sijačice Horsch
Rapeseed (*Brassica napus* L.) sowing of using by Horsch machine