

SYMBIOTECH

2nd International Symposium on Biotechnology

29th Symposium on Biotechnology with International Participation

14-15 March 2024

Faculty of Agronomy, Čačak, Republic of Serbia



SYMPOSIUM AGENDA

2nd International Symposium on Biotechnology
(29th Symposium on Biotechnology with International Participation)
14-15 March 2024, Čačak, Republic of Serbia

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1978.

PATRON

- *Ministry of Science, Technological Development and Innovation*
- *City of Čačak*

ORGANIZER

*Faculty of Agronomy in Čačak,
University of Kragujevac, Serbia*



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AGENDA



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Registration: Thursday, 14 March 2024, 9:00-10:00

Opening Ceremony, Amphitheatre, 10:00

**Cocktail (10:45-11:45) in Lecture Room 34 (1st floor)
and Mini Fair (10:45-14:00) in front of the entrance to the
Faculty building**

Invited Lecture:

Amphitheatre, 12:00 -12:20

"Chemometrics in agri-food business and sustainability", Prof. Predrag Putnik, Ph.D., Senior Research Associate, University "North" Koprivnica, Croatia

Scientific Sessions, 12:30

1. Field, Vegetable and Forage Crops - **Lecture Room 37**
2. Pomology and Viticulture - **Lecture Room 38**
3. Livestock Production - **Lecture Room 31**
4. Plant Protection, Food Safety and the Environment - **Amphitheatre**
5. Food Technology - **Conference Room**
6. Applied Chemistry - **Lecture Room 30**

Lunch, 14:00-16:00

5th Assembly of the Alumni Club - Faculty of Agronomy graduates **(15:30 - 16:30 p.m.)** 

Promotion of the scientific monograph "Diseases of cultivated plants and their control" (Dr. Drago Milošević, Ph.D. and guests); **(16:00 - 16:30 p.m.)**
- **Gala dinner (19:00 p.m., Tavern "Car Lazar")**

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Friday, 15 March 2024, 10:00 - AMPHITHEATRE

Seventh scientific session: Nutritionism

1. Promotion of the new joint study program in the field of IMT studies "Nutritionism and food processing" (Prof. Vladimir Jakovljević, Ph.D., Dean of the Faculty of Medical Sciences in Kragujevac and Prof. Vladimir Kurćubić, Ph.D., Vice dean for science and teaching, Faculty of Agronomy in Čačak);
2. Presentation of the most significant results of the current project of the Institute of Fruit Growing from Čačak on the preservation of autochthonous varieties of plum (Institute of fruit growing, Čačak);
3. Joint creation of a Special Issue of the Future Postharvest and Food (official journal of the International Association of Dietetic Nutrition and Safety): a selection of papers with and outside the framework of the Symposium - Courtesy of WILEY (Moderator: Prof. P. Putnik)
4. Presentation of the results of the Erasmus+ Project "European Excellence in Dairy Learning - AEDIL dairy CoVE," (Prof. Jelena Miočinović, Ph.D., Faculty of Agriculture, University of Belgrade)
5. Panel discussion "Strategic linking: harmonizing education and the needs of the food industry - an example of the dairy sector" (Moderator: Prof. J. Miočinović, Ph.D.);
6. Promotion of the scientific monograph "Food Health - Design and development of foods with improved functionality and nutritional properties" (Authors and fellow readers);

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7. Discussion and closing ceremony of the scientific meeting

8. Cocktail

9. **Optionally:** Visit to the art gallery "Nadežda Petrović" and the fantastic exhibition "Nadežda - Contemporaries - Followers" - part of the National Capital of Culture project "Čačanska rodna 2023" and the grand finale of the jubilee celebration - 150 years since the birth of the famous painters.

<https://cacanskarodna.rs/otvorena-izlozba-nadezda-savremenici-sledbenici/>
<https://nadezdapetrovic.rs/>

10. Organized visit to the village of Premeća and the distillery for the production of the best Serbian brandy - Rakija "Plazinić" - Tasting and cocktail

<https://vocnerakije.rs>

We wish you a warm welcome!



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Notes



SYMPOSIUM SESSIONS

FIRST DAY OF SYMPOSIUM, March 14, 2024

Registration: Thursday, 14 March 2024, 9:00-10:00

Opening Ceremony, Amphitheatre, 10:00

Cocktail (10:45-11:45) and Mini Fair (10:45-14:00) in Lecture Room 34 (1st floor) or in front of the entrance to the Faculty building (DEPENDING ON WEATHER CONDITIONS!)

Amfiteatre, 12:00-12:20

INVITATION SPEAKER: Prof. Predrag Putnik, Ph.D., Senior Research Associate

Lecture Room 37 (first floor), 12:30

Session 1: Field, Vegetable and Forage Crops

Chair: Prof. Dalibor Tomić, Ph.D.

Moderators: Milomirka Madić, Nenad Pavlović

12:30-12:40 1. *Nenad Pavlović, Vladimir Crepuljarević, Jelena Mladenović, Miloš Marjanović, Ljiljana Bošković-Rakočević, Dalibor Tomić, Marija Gavrilović, Jasmina Zdravković*

INFLUENCE OF DIFFERENT SUBSTRATES ON THE QUALITY OF PEPPER SEEDLINGS (*CAPSICUM ANNUUM* L.)

12:40-12:50 2. *Mihajlo Marković, Đurađ Hajder, Milan Šipka, Mladen Todorović, Nery Zapata, Teresa A. Paço, Erminio E. Riezzo, Sabrija Čadro*

SUSTAINABLE MANAGEMENT OF AGRICULTURAL RESOURCES IN MAIZE PRODUCTION IN BIH - H2020 SMARTWATER PROJECT

12:50-13:00 Discussion

13:00-13:20 Poster Session

Moderators: as for Session 1

1. *Aleksandra Stanojković-Sebić, Darko Jaramaz, Zoran Dinić, Jelena Maksimović, Aleksandar Stanojković, Radmila Pivić*

SOIL SUITABILITY FOR AGRICULTURAL PRODUCTION IN THE AREA OF PROGAR (SURČIN MUNICIPALITY, BELGRADE)

2. *Milomirka Madić, Dragan Đurović, Vladeta Stevović, Milan Biberdžić, Dalibor Tomić, Nenad Pavlović, Miloš Marjanović*

GRAIN YIELD AND YIELD COMPONENTS OF PROSPECTIVE HOMOZYGOUS WHEAT LINES

3. *Nedeljko Racić, Vladeta Stevović, Vladimir Zornić, Mirjana Petrović, Mladen Prijović, Jasmina Radović*

EFFECTS OF LIME ON ALFALFA CULTIVARS YIELD IN THE FIRST YEAR ON ACIDIC SOIL

Poster Session

4. *Jelena Stojilković, Vera Rajčić, Nenad Đurić, Milan Biberdžić, Kristina Luković, Vladimir Perišić, Veselinka Zečević*

THE EFFECT OF CLIMATE FACTORS ON MAIZE YIELD OF LATE SOWING DATE

5. *Valentina Nikolić, Vesna Perić, Marijana Simić, Slađana Žilić, Danka Milovanović, Beka Sarić*

ADVANCING THE NEW RESEARCH PATHWAYS OF "NUTRIBREEDING" FOR HUMAN AND ANIMAL NUTRITION WITH HEALTH BENEFITS

6. *Vesna Stepić, Gorica Cvijanović, Marija Bajagić, Nenad Đurić, Vojin Đukić, Zlatica Mamlić, Gordana Dozet*

THE INFLUENCE OF EFFECTIVE MICROORGANISMS ON SOME CHARACTERISTICS OF DIFFERENT MAIZE GENOTYPES

7. *Dalibor Tomić, Vladeta Stevović, Milomirka Madić, Miloš Marjanović, Nenad Pavlović, Đorđe Lazarević, Mirjana Petrović, Vladimir Zornić, Jasmina Knežević*

COBALT FERTILIZATION IN ORDER TO PROMOTE NITROGEN FIXATION IN ANNUAL FORAGE LEGUMES

8. *Jordan Marković, Nedeljko Racić, Filip Bekčić, Đorđe Lazarević, Tanja Vasić, Sanja Živković, Bogdan Cekić*

LIGNIFICATION AS THE MAJOR FACTOR LIMITING RED CLOVER DM AND NDF DIGESTIBILITY

9. *Marija Gavrilović, Biljana Veljković, Ranko Koprivica, Nenad Pavlović*
STRATEGIES FOR OPTIMIZED FERTILIZER USE: IMPLICATIONS FOR ENERGY EFFICIENCY AND CROP PERFORMANCE

10. *Violeta Mickovski Stefanović, Predrag Brković, Dragan Božović, Stanka Pešić, Bojan Laloš, Branko Tomić, Dragan Romić*

DEVELOPMENT OF WHEAT STEM UNDER HEAVY METALCONTAMINATION

11. *Sofija Petrović, Borislav Banjac, Mirela Matković Stojšin, Teodora Feher*

BREAD WHEAT FROM STRESS TO PRODUCTIVITY IN PURSUIT OF FOOD SECURITY IN RAPID CLIMATE CHANGE

12. *Ranko Koprivica, Biljana Veljković, Radmila Žugić, Marija Gavrilović, Goran Dugalić, Bojana Milenković, Dragan Terzić*

THE USE OF TRACTOR AGGREGATES ON A MEDIUM-SIZED FARM IN ARABLE PRODUCTION

14:00-16:00 Lunch

Lecture Room 38 (first floor), 12:30

Session 2: Pomology and Viticulture

Chair: Prof. Ivan Glišić, Ph.D.

Moderators: Prof. Mlađan Garić, Ph.D.; Prof. Gorica Paunović, Ph.D.

12:30-12:40 1. *Ivan Glišić, Radmila Ilić, Tomo Milošević, Gorica Paunović*
PHENOLOGY AND FRUIT CHARACTERISTICS OF AUTOCHTHONOUS
APPLE CULTIVARS

12:40-12:50 Discussion

12:50-13:10 Poster Session - Moderators: as for Session 2

Poster Session

1. *Vujović Tatjana, Anđelić Tatjana, Ružić Đurđina*
LOW-TEMPERATURE STORAGE *IN VITRO* OF FRUIT TREE SPECIES AT
THE FRUIT RESEARCH INSTITUTE, ČAČAK

2. *Branislav Dudić, Alexandra Mittelman, Velibor Spalević*
THE COMPARATIVE ANALYSIS OF EUROPEAN WINE INDUSTRY

3. *Vasilijević Bojana, Katanić Vera, Gajić Sanja, Vasić Tanja, Kovačević
Stefan, Jevremović Darko*
APPLICATION OF MULTIPLEX PCR FOR GRAPEVINE VIRUSES
DETECTION

4. *Mladjan Garic, Ivana Radojevic, Dragan Nikolic, Vera Rakonjac,
Aleksandar Petrovic, Zorica Rankovic-Vasic, Darko Jaksic, Milos Ristic*
PRODUCTION AND TECHNOLOGICAL CHARACTERISTICS OF THE
PROKUPAC WINE VARIETY IN THE NIŠ WINE GROWING REGION

5. *Zvezdana Marković, Iva Šikuten, Anita Bošnjak Mihovilović, Domagoj
Stupić, Željko Andabaka, Valentina Tuščić, Ana Šišak, Ivana Tomaz, Darko
Vončina, Darko Preiner*

THE INFLUENCE OF SANITARY STATUS AND THE POSITION OF
EXPLANTS ON THE GROWTH AND DEVELOPMENT OF *IN VITRO* OF
'PLAVAC MALI' AND 'POŠIP'

6. *Tatjana Popović, Armin Kalač, Zoran Jovović, Danijela Raičević,
Radmila Pajović-Šćepanović*

INFLUENCE OF DIFFERENT VINEYARD WEED CONTROL METHODS ON
AGROBIOLOGICAL, ECONOMICAL AND TECHNOLOGICAL
CHARACTERISTICS OF VRANAC VARIETY

7. *Biljana Veljković, Dušan Marković, Ranko Koprivica, Marija Gavrilović*
CALCULATIONS IN RASPBERRY PRODUCTION ON FAMILY FARMS IN
WESTERN SERBIA

14:00-16:00 Lunch

Lecture Room 31, 12:30

Session 3: Livestock Production

Chair: Prof. Simeon Rakonjac, Ph.D.

Moderators: Prof. Vladimir Dosković, Ph.D.; Prof. Snežana Bogosavljević Bošković, Ph.D.

12:30-12:50 Poster Session

Moderators: as for Session 3

1. *Veselin Petričević, Miloš Lukić, Zdenka Škrbić, Vladimir Dosković, Simeon Rakonjac, Maja Petričević, Danijel Milenković*

COMPARATIVE ANALYSIS OF PRODUCTION AND SLAUGHTER PARAMETERS OF FAST-GROWING BROILER HYBRIDS

2. *Biljana Trajkovska, Blagoja Risteski, Vesna Karapetkovska-Hristova, Kujtim Elmazi, Aleksandra Grozdanovska, Borce Petkovski*

ALTERATIONS IN THE PHYSICO-CHEMICAL COMPOSITION OF MILK ACROSS UDDER QUARTERS

3. *Bojan Stojanović, Vesna Davidović, Aleksandra Ivetić, Stamen Radulović, Blagoje Stojković*

SULFUR-CONTAINING AMINO ACID SUPPLY IN ORGANIC POULTRY DIETS

4. *Ljiljana Samolovac, Slavča Hristov, Marina Lazarević, Nenad Mičić, Dragan Nikšić, Dušica Ostojić Andrić, Tamara Stamenić*

THE PHYSIOLOGICAL FORMS OF CALVES BEHAVIOUR IN THE ASSESSMENT OF WELFARE

5. *Milun D. Petrović, Snežana Bogosavljević-Bošković, Vladan Bogdanović, Radojica Đoković, Simeon Rakonjac, Miloš Petrović*

REARING SYSTEMS AND PRODUCTION IN ORGANIC POULTRY FARMING

6. *Vladimir Dosković, Snežana Bogosavljević-Bošković, Zdenka Škrbić, Miloš Lukić, Simeon Rakonjac, Veselin Petričević, Dejan Beuković*

THE EFFECT OF PROTEASE ENZYME ON THE MEAT CLASSES OF TWO BROILER CHICKEN HYBRIDS

Poster Session

Amphitheatre, 12:30

Session 4: Plant Protection, Food Safety and the Environment

Chair: Prof. Snežana Tanasković, Ph.D.

Moderators: Science advisor Darko Jevremović, Ph.D.; Prof. Gorica Đelić, Ph.D.

12:30-12:40 1. *Ljubica Šarčević-Todosijević, Snežana Đorđević, Bojana Petrović, Vera Popović, Jelena Golijan-Pantović, Vladimir Filipović, Nikola Đorđević*
BIOLOGICAL ACTIVITY OF PLANT METABOLITES

12:40-12:50 2. *Marijana Ponjavić, Jelena Milovanović, Jasmina Nikodinović-Runić, Nikola Đurašković, Nedeljko Tica, Irena Živković*
BIODEGRADABILITY ASSESSMENT OF CORN STOVE REINFORCED COMPOSITE MATERIALS WITH DIFFERENT MATRIX

12:50-13:00 Discussion

13:00-13:20 Poster Session - Moderators: as for Session 4

1. *Aleksandra Milošević, Goran Stanišić, Milena Milojević, Suzana Knežević, Maja Došenović Marinković*

REGULATORY PERSPECTIVES ON NITRATE USAGE IN ORGANIC AGRICULTURE: A FOCUS ON EU LEGISLATION

2. *Gorica Đelić, Duško Brković, Milica Pavlović, Vesna Veličković*

BIOCHEMICAL RESEARCH OF THE SPECIES *ORCHIS MORIO* L. FROM ZLATAR

3. *Gorica Đelić, Vesna Veličković, Milica Pavlović*

SESELI RIGIDUM WALDST. & KIT: SECONDARY METABOLITES AND ANTIOXIDANT ACTIVITY OF METHANOL, ETHYL ACETATE AND ACETONE EXTRACTS

4. *Selena Dmitrović, Ivana Pajčin, Vanja Vlajkov, Tatjana Dujković, Jovana Grahovac, Aleksandar Jokić, Nataša Lukić*

POSSIBILITY OF USING EGG SHELL AS A FLOCCULANT TO HARVEST BIOMASS OF *BACILLUS* SP. FOLLOWING BIOTECHNOLOGICAL TREATMENT OF FOOD SECTOR WASTEWATERS

5. *Silvana Pashovska*

SWOT-ANALYSIS OF TOBACCO PRODUCTION IN MACEDONIA AS A METHOD FOR STRATEGIC PLANNING AND AN OPPORTUNITY FOR GREATER EFFICIENCY AND EFFECTIVENESS IN THE ACTIVITY

6. *Kristina Markeljić, Aleksandra Rakonjac, Nevena Đorđević, Duško Brković, Snežana Simić*

BENTHIC ALGAE AS BIOINDICATORS IN ASSESSING ECOLOGICAL STATUS OF ČEMERNICA AND DIČINA RIVERS

7. *Radmila Pivić, Jelena Maksimović, Tara Grujić, Dinić Zoran, Jaramaz Darko, Aleksandra Stanojković-Sebić*

INFLUENCE OF DIFFERENT SOIL USE ON VERTISOL WATER INFILTRATION

8. *Dragutin Đukić, Leka Mandić, Vesna Đurović, Monika Stojanova*

THE INFLUENCE OF SATURATED SOLUTIONS OF MINERAL SALTS ON SAPROPHITIC BACTERIA IN THE SOIL

9. *Nela Đonović, Sanja Kocić, Svetlana Radević*

HEALTH SAFETY OF BAKERY PRODUCTS

Poster Session

10. *Tanja Vasić, Sanja Živković, Vera Katanić, Bojana Vasiljević, Darko Jevremović, Jordan Marković*

MYCOPOPULATION ON SEED OF WEED PLANTS IN ORGANIC VEGETABLE PRODUCTION CROP

11. *Duško Brković, Gorica Đelić, Snežana Branković, Kristina Markeljić*

CONTRIBUTION TO THE RESEARCH OF THE FLORA AND HABITAT CHARACTERISTICS OF SP "BORAČKI KRŠ" BORAČ

Conference Room, second floor, 12:30

Session 5: Food Technology

Chair: Prof. Jelena Miočinović, Ph.D.

Moderators: Prof. Nemanja Miletić, Ph.D.; Prof. Slaviša Stajić, Ph.D.

12:30-12:40 1. *Đurđević Sanja, Tomašević Igor, Stajić Slaviša, Živković Dušan*
QUALITY OF MINCED MEAT PRODUCTS

12:40-12:50 2. *Radoslava Savić Radovanović, Milijana Sindić, Jelena Aleksić Radoković, Slobodanka Janičijević*
MICROBIOLOGICAL SAFETY OF FOOD OF ANIMAL ORIGIN IN BELGRADE RESTAURANTS AND CATERING FACILITIES

12:50-13:00 3. *Vladimir Kurćubić, Saša Živković, Marko Dmitrić, Slaviša Stajić, Luka Kurćubić*
BIOACTIVE POWER OF LYOPHILIZED PLANT RAW MATERIALS: EVALUATION AND ASSESSMENT OF SUITABILITY FOR THE PRODUCTION OF NATURAL FOOD SUPPLEMENTS AND ANTIMICROBIAL DRUGS

13:00-13:10 Discussion

13:10-13:30 Poster Session - Moderators: as for Session 5

Poster Session

1. *Miloradovic Zorana, Kovacevic Jovana, Miocinovic Jelena, Djekic Ilija, Smigic Nada*

EMPOWERING SMALL-SCALE DAIRY PRODUCERS: A COMPREHENSIVE ANALYSIS OF TRAINING IMPACT AND PARTICIPANT FEEDBACK

2. *Vesna Ružičić, Jelena Pantović*

DEVELOPMENT OF THE KNOWLEDGE BASE FOR APPLICATIONS OF INFORMATION-EXPERT SYSTEMS IN THE FIELD OF FOOD TECHNOLOGY

3. *Eldar Hasandić, Amila Slijepčević, Melika Trako, Aldin Tahirović, Semina Pinjić, Munevera Begić*

THE INFLUENCE OF PRODUCTION TECHNOLOGY ON THE OVERALL QUALITY OF "VISOČKI SUDŽUK"

4. *Mirjana Radovanović, Marija Jovičević, Nemanja Miletić, Marko Petković, Vesna Đurović*

FORMATION OF HYDROXYMETHYLFURFURAL DURING THE INDUSTRIAL PRODUCTION OF PLUM PEKMEZ

5. *Danka Mitrović, Nikolina Živković, Ana Milić, Ivana Sredović Ignjatović, Aleksandar Petrović*

THE INFLUENCE OF MACERATION TIME ON THE CHEMICAL AND SENSORY CHARACTERISTICS OF THE WINES PRODUCED FROM SERBIAN AUTOCHTHONOUS VARIETY PROKUPAC

6. *Enver Karahmet, Senita Isaković, Almir Toroman, Ervina Bečić, Zoran Marković*

DETERMINATION OF HEAVY METALS IN FRESH FISH

7. *Dragoljub Cvetković, Aleksandra Ranitović, Tara Budimac, Olja Šovljanski*

EXAMINATION THE SURVIVAL OF *LACTOBACILLUS PLANTARUM* AND *LACTOBACILLUS RHAMNOSUS* DURING KOMBUCHA FERMENTATION

8. *Vesna Đurović, Sofija Radenković, Leka Mandić, Mirjana Radovanović, Marijana Pešaković, Ivana Bošković, Dragutin Đukić*

ANTIOXIDANT AND ANTIBACTERIAL ACTIVITIES OF *ZIZYPHUS JUJUBA* L. LEAF EXTRACTS

9. *Milan Nikolić*

COMPARISON OF THE AROMA ACTIVE COMPOUNDS IN RAW SPIRITS OBTAINED FROM DIFFERENT APPLE VARIETIES

10. *Tomislav Trišović, Ana Trišović, Rafailović Lidija, Branimir Grgur, Zaga Trišović*

AUTOMATIC CONTROL AND ARTIFICIAL INTELLIGENCE: DEVICE FOR CONTINUOUS CHLORINE RESIDUAL MEASUREMENT

11. *Danka Milovanović, Beka Sarić, Valentina Nikolić, Marijana Simić, Slađana Žilić*

QUALITY PARAMETERS OF SILAGE MAIZE HYBRIDS FOR RUMINANT FEED

14:00-16:00 Lunch

Lecture Room 30

Session 6: Applied Chemistry

Chair: Prof. Milan Mitić, Ph.D.

Moderators: Prof. Goran Petrović, Ph.D.; Prof. Pavle Mašković, Ph.D.

10:00-10:10 1. *Ognjen Pavlović, Tamara Milenković, Nevena Barać, Miroljub Barać, Ivana Sredović Ignjatović*

PHYTOCHEMICAL CONTENT AND ANTIOXIDANT PROPERTIES OF OSMOTICDEHYDRATED BLUEBERRY, CHERRY AND POMEGRANATE FRUIT

10:10-12:20 2. *Ivana D. Rašić Mišić, Jorgovanka R. Bojić, Emilija T. Pecev-Marinković, Aleksandra Pavlović, Jelena Mrmošanin, Bojan Zlatković, Tijana Jovanović*
HEAVY METALS DETERMINATION IN *ACHILLEA LINGULATA* AND *ACHILLEA DISTANS* BY ICP-OES

12:50-13:00 Discussion

13:00-13:20 Poster Session - Moderators: as for Session 7

Poster Session

1. *Nevena Mihailović, Andrija Ćirić, Nikola Srećković, Vladimir Mihailović, Ljubinka Joksović, Samo Kreft*

OPTIMIZATION OF ULTRASONIC-ASSISTED EXTRACTION OF PHENOLIC COMPOUNDS FROM *SALVIA VERTICILLATA* L. ROOT USING RESPONSE SURFACE METHODOLOGY

2. *Nevena Mihailović, Vladimir Mihailović, Nikola Srećković*

PHENOLIC CONTENT AND ANTIOXIDANT PROPERTIES OF SOME NATURAL COSMETIC CREAMS WITH PLANT-DERIVED INGREDIENTS AVAILABLE ON THE SERBIAN MARKET

3. *Jovana Cvjetković, Darko Manjenčić, Vladan Mičić, Anja Manjenčić*
INFLUENCE OF CONTROLLED RADIATION ON THE PROPERTIES OF BIOCOMPATIBLE SILICONE ELASTOMERS

4. *Goran Petrović, Aleksandra Đorđević, Jelena Stamenković, Marija Dimitrijević, Jelena Nikolić, Vesna Stankov Jovanović, Violeta Mitić*
GERANIUM MACRORRHIZUM, THE CURE IN YOUR GARDEN. NEW METHOD OF GERMACRONE ISOLATION

5. *Goran Petrović, Aleksandra Đorđević, Jelena Stamenković, Marija Dimitrijević, Jelena Nikolić, Vesna Stankov Jovanović, Violeta Mitić*
FATTY ACIDS CONTENT IN WATERMELON, MELON, SQUASH AND ZUCCHINI SEEDS

6. *Stefan Petrović, Denis Mitov, Aleksandar Randelović, Jelena Mrmošanin, Aleksandra Pavlović, Snežana Tošić*

UPTAKE OF HEAVY METALS BY WHITE CLOVER (*TRIFOLIUM REPENS* L.) - POT EXPERIMENT

7. *Stefan Petrović, Katarina Milenković, Denis Mitov, Milena Nikolić, Jelena Mrmošanin, Aleksandra Pavlović, Snežana Tošić*
THE INFLUENCE OF HEAVY METAL(OID)S SOIL CONTAMINATION ON THECONTENT OF PIGMENTS IN PEPPER AND MAIZE LEAVES
8. *Milan Mitić, Jelena Mitić, Pavle Mašković, Jelena Mašković, Goran Petrović, Jelena Nikolić, Vesna Stankov-Jovanović*
ENHANCING THE EXTRACTION EFFICIENCY OF CAFTARIC ACID FROM GRAPE PULP THROUGH OPTIMIZATION PROCESS
9. *Jelena Mladenović, Ivana Vranjevac, Duško Brković, Nenad Pavlović, Miloš Marjanović, Jasmina Zdravković, Nenad Đurić*
DETERMINATION OF THE CONTENT OF BIOACTIVE COMPONENTS IN DIFFERENT EXTRACTS OF CELERY LEAVES (*APIUM GRAVEOLENS* L.)
10. *Igor Đurović, Miloš Petrović, Vesna Matejić*
COW'S MILK IN RELATION TO DIFFERENT PLANT-BASED DRINKS: PHYSICO-CHEMICAL PROPERTIES AND NUTRITIONAL IMPORTANCE
11. *Ana Milenković Andjelković, Miroslav Popović, Jelena Mladenović*
ANALYSIS OF PHYSICOCHEMICAL PARAMETERS AND TOTAL AMOUNTS OF MICROORGANISMS IN LAKE VLASINA
12. *Ivana Radojević, Edina Avdović, Dušan Dimić, Marko Antonijević, Marijana Vasić, Ćirković Katarina*
ANTIMICROBIAL ACTIVITY OF HYBRIDS OF COUMARIN'S DERIVATIVES WITHNEUROTRANSMITTERS
13. *Ana Obradović, Milena Vukić, Milica Paunović, Branka Ognjanović, Nenad Vuković, Miroslava Kačániová, Miloš Matić*
ANTITUMOR EFFECTS OF TANACETUM BALSAMITA ESSENTIAL OILS BY DOWNREGULATION NRF-2 AND MMP-9 IN BREAST CANCER
14. *Katarina Milenković, Jelena Mrmošanin, Stefan Petrović, Bojan Zlatković, Snežana Tošić, Milan Mitić, Aleksandra Pavlović*
INFLUENCE OF EXTRACTION SOLVENTS ON THE PHENOLIC PROFILE OF *ROSA DUMALIS* BECHST. FRUIT SAMPLES

14:00-16:00 Lunch

SECOND DAY OF SYMPOSIUM, 15.03.2024.

Amphitheatre, 10:00

Session 7: *Nutritionism*

Chair: Prof. Vladimir Jakovljevic, Ph.D.

Moderators: Prof. Vladimir Zivkovic, Ph.D.; Prof. Jovana Bradić, Ph.D.

10:00-10:10 1. *Vladimir Jakovljevic*
EFFECTS OF STANDARDIZED ARONIA MELANOCARPA EXTRACT ON
CARDIOVASCULAR SYSTEM: FROM BASIC TO APPLIED
INVESTIGATION

2. *Snježana Petrović, Marija Paunović, Nataša Veličković, Bojana Micić,
Maja Milošević, Aleksandra Arsić, Biljana Pokimica, Vesna Vučić*
POLYPHENOL-RICH BLACK CURRANT JUICE AMELIORATES
METABOLIC SYNDROME INDUCED BY HIGH-FAT HIGH-FRUCTOSE
DIET IN RATS

3. *Aleksandra Arsić, Milica Kojadinović, Snjezana Petrović, Danijela
Ristić Medić, Milena Žuža Praštalo, Vesna Vučić*
EFFECTS OF POMEGRANATE JUICE ON LIPID METABOLISM IN
WOMEN WITH DYSLIPIDEMIA AND METABOLIC SYNDROME

10:10-10:20 Discussion

10:20-10:40 Poster Session - Moderators: as for Session 6

1. *Nenad Mićanović, Sanja Đurović, Nenad Naumovski, Violeta Mickovski
Stefanović, Hanbing Li, Jelena Popović-Đorđević*
INSIGHT INTO SELECTED QUALITY PARAMETERS OF MEDLAR
(*MESPILUS GERMANICA* L.) FRUITS GROWN IN SERBIA

2. *Katarina Mihajlovic, Vladimir Jakovljevic, Jovana Bradic, Maja Savic,
Marina Nikolic, Jasmina Sretenovic*
ASSESSMENT OF *GALLIUM VERUM* EXTRACT SUPPLEMENTATION ON
REDOX HOMEOSTASIS IN PSORIATIC RAT MODEL

3. *Anica Petrovic, Jovana Bradic, Marijana Andjic, Aleksandar Kocovic,
Jovana Novakovic, Vladimir Jakovljevic*
CARDIOPROTECTIVE EFFECTS OF LADY'S BEDSTRAW EXTRACT

4. *Aleksandra Stojanovic, Marina Nikolic, Nevena Lazarevic, Jovana
Novakovic, Nevena Jeremic, Vladimir Zivkovic, Jovana Bradic, Vladimir
Jakovljevic*
BENEFICIAL PROPERTIES OF *TRAMETES VERSICOLOR* HETERO
POLYSACCHARIDES IN A RAT MODEL OF METABOLIC SYNDROME

Poster Session

5. *Marijana Andjic, Jovana Novakovic , Aleksandar Kocovic, Marina Nikolic, Anica Petrovic , Vladimir Jakovljevic, Jovana Bradic*

THE EFFECTS OF CHRONIC ADMINISTRATION OF ALLIUM URSINUM EXTRACT ON SYSTEMIC REDOX STATUS IN RATS

1. Promotion of the new joint study program in the field of IMT studies "Nutritionism and food processing" (Prof. Vladimir Jakovljević, Ph.D., Dean of the Faculty of Medical Sciences in Kragujevac and Prof. V. Kurćubić, Ph.D., Vice dean for science and teaching, Faculty of Agronomy in Čačak)
2. Presentation of the most significant results of the current project of the Institute of Fruit Growing from Čačak on the preservation of autochthonous varieties of plum (Institute of fruit growing, Čačak)
3. Joint creation of a Special Issue of the Future Postharvest and Food, official journal of the International Association of Dietetic Nutrition and Safety): a selection of papers with and outside the framework of the Symposium - Courtesy of WILEY (Moderator: Prof. P. Putnik, Ph.D.)
4. Presentation of the results of the Erasmus+ Project "European Excellence in Dairy Learning - AEDIL dairy CoVE" (Prof. Jelena Miočinović, Ph.D., Faculty of Agriculture, University of Belgrade)
5. Panel discussion "Strategic linking: harmonizing education and the needs of the food industry - an example of the dairy sector" (Moderator: Prof. J. Miočinović, Ph.D.)
6. Promotion of the scientific monograph "Food Health - Design and development of foods with improved functionality and nutritional properties" (Authors and fellow readers)
7. Discussion and closing ceremony of the scientific meeting
8. Cocktail
9. Optionally: Visit to the art gallery "Nadežda Petrović" and the fantastic exhibition "Nadežda - Contemporaries - Followers" - part of the National Capital of Culture project "Čačanska rodna 2023" and the grand finale of the jubilee celebration - 150 years since the birth of the famous painters.
10. Organized visit to the village of Premeća and the distillery for the production of the best Serbian brandy - Rakija "Plazinić" - Tasting and cocktail
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