



3rd International Symposium on Biotechnology
(30th Symposium on Biotechnology with International Participation)
13-14 March 2025, Čačak, Republic of Serbia



SYMPOSIUM AGENDA



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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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Serbia

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SYMBIOTECH

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Dr Vesna Đurović, Serbia
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Vera Vukosavljević, MSc, Serbia
Dragan Đurović, MSc, Serbia
Miloš Marjanović, MSc, Serbia
Jelena Pantović, BSc (Hons), Serbia

3rd International Symposium on Biotechnology
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14-15 March 2023, Čačak, Republic of Serbia



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ORGANIZING COMMITTEE

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Prof. Dr Pavle Mašković, Serbia, full professor

SECRETARY

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Dr Vladimir Dasković, associate professor

Dr Nenad Pavlović, assistant professor

Dr Nemanja Miletić, associate professor

Dr Igor Đurović, assistant professor

Dr Milevica Bojović, Serbia, assistant professor

Dr Radmila Ilić, Serbia, assistant professor

Kristina Markeljić, Serbia, research associate

AGENDA



SYMBIOTECH

Registration: Thursday, 13 March 2025, 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 -13:00

1. Prof. dr. Danijela Bursać Kovačević (Faculty of Food Technology and Biotechnology, University of Zagreb, Croatia): "3D Functional Food Printing - Myth, Reality or Future?"
2. Prof. dr. Marko Cincović (Department of Veterinary Medicine, Faculty of Agriculture, University of Novi Sad, Serbia): "Does the synergy of biotechnological and medical approaches solve the challenge of heat stress? An example of insulin resistance and metabolic-hormonal imbalance"
3. Dr. Nataša Tolimir (Institute for Science Application in Agriculture, Belgrade, Serbia): "The Importance of Knowledge Transfer in the Field of Agriculture for the Rural Development of Serbia"

Scientific Sessions, 13:00

1. Field, Vegetable and Forage Crops – Lecture Room 37, first floor
2. Pomology and Viticulture – Lecture Room 38, first floor
3. Livestock Production – Lecture Room 31, first floor
4. Plant Protection, Food Safety and the Environment – Amphitheatre
5. Food Technology – Congress hall, second floor
6. Applied Chemistry – Lecture Room 30, first floor

Lunch, 14:00-16:00

- **Panel discussion:** "How to achieve sustainable production of value-added dairy products?" (16:00-16:30 p.m.). 
- **7th Assembly of the Alumni Club** (16:30 – 17:30 p.m.)
- **Gala dinner** (18:00 p.m., Restaurant „Lovac")

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SYMBIOTECH

Friday, 14 March 2025, 10:00 - AMPHITHEATRE

1. *Seventh scientific session: Nutritionism*

2. Panel discussion I " The impact of climate change and heat stress on the Agri-Food sector" (*Moderator: Dr. Marko Cincović*) (30 min)

3. Panel discussion II "The importance of the agronomist's advisory role in solving professional and eco-demographic challenges" (*Moderator: Mr. Miloš Vujisić*) (30 min)

4. Panel discussion III "How to overcome fear of meat consumption and innovative meat products: realistic perspectives" (*Moderator: Dr. Slaviša Stajić*) (30 min)

5. Discussion

6. Cocktail

7. Organized visit to the village of Pridvorica and the distillery for the production of the famous Serbian brandy "Jelički dukat" <https://jelickidukat.rs/> : Cellar tour, brandy tasting, and lunch (traditional local food) - departure at **12:30 in front of the Faculty building**

We wish you a warm welcome!



SYMBIOTECH

Notes



SYMPOSIUM SESSIONS

FIRST DAY OF SYMPOSIUM, March 13, 2025

Registration: Thursday, 13 March 2025, 9:00-10:00

Opening Ceremony, Amphitheatre, 10:00

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

Amfiteatre, 12:00-13:00

INVITED SPEAKERS:

1. *Prof. dr. Danijela Bursać Kovačević* (Faculty of Food Technology and Biotechnology, University of Zagreb, Croatia): "3D Functional Food Printing - Myth, Reality or Future?"
2. *Prof. dr. Marko Cincović* (Department of Veterinary Medicine, Faculty of Agriculture, University of Novi Sad, Serbia): "Does the synergy of biotechnological and medical approaches solve the challenge of heat stress? An example of insulin resistance and metabolic-hormonal imbalance"
3. *Dr. Nataša Tolimir* (Institute for Science Application in Agriculture, Belgrade, Serbia): "The Importance of Knowledge Transfer in the Field of Agriculture for the Rural Development of Serbia"

Lecture Room 37 (first floor), 13:00

Session 1: Field, Vegetable and Forage Crops

Chair: Prof. Dalibor Tomić, Ph.D.

Moderators: Milomirka Madić, Nenad Pavlović

13:00-13:10	1. <i>Nenad Pavlović, Dragan Stepanović, Ljiljana Bošković-Rakočević, Jelena Mladenović, Ivana Živković, Dalibor Tomić, Milan Šević</i> EFFECT OF ORGANIC BIOSTIMULANTS ON MORPHOLOGICAL PARAMETERS OF ONION (<i>ALLIUM CEPA</i> L.)
13:10-13:20	2. <i>Vladeta Stevović, Dalibor Tomić, Dragan Đurović, Đorđe Lazarević, Milomirka Madić, Nenad Pavlović, Miloš Marjanović</i> RED CLOVER IN AGRICULTURAL PRODUCTION SYSTEMS
13:20-13:30	3. <i>Nenad Bunjac, Vladan Pešić, Vladimir Perišić, Nenad Đurić, Nidal Shaban</i> INDUSTRIAL TOMATO CULTIVARS AND INBRED LINES YIELD STABILITY ANALYSIS
13:30-13:40	Discussion

13:40-14:00	Poster Session - Moderators: as for Session 1
Poster Session	1. <i>Ljiljana Bošković-Rakočević, Goran Dugalić, Nenad Pavlović, Jelica Bačkulja, Zoran Dinić, Jelena Mladenović, Miloš Marjanović</i> CHANGES IN THE AGROCHEMICAL AND AGROPHYSICAL PROPERTIES OF DEPLETED SOILS (LUVISOLS) IN THE RADOCELO MASSIF AFTER LONG-TERM USE
	2. <i>Mirza Valjevac, Muamer Bezdrob, Saud Hamidović, Nermin Rakita, Enver Karahmet, Teofil Gavrić, Berina Imamović</i> THE EFFECT OF FOLIAR BIOFERTILIZER AND VARIETY ON THE PRODUCTIVITY AND NODULATION OF RED CLOVER
	3. <i>Dalibor Tomić, Vladeta Stevović, Miloš Marjanović, Milomirka Madić, Nenad Pavlović, Đorđe Lazarević</i> ROLE OF POTASSIUM IN FORAGE LEGUMES
	4. <i>Milomirka Madić, Dragan Đurović, Vladeta Stevović, Dalibor Tomić, Milan Biberdžić, Branka Govedarica</i> INFLUENCE OF GENOTYPE AND YEAR ON WINTER WHEAT GRAIN YIELD
	5. <i>Vesna Matejić, Vera Rajičić, Biljana Šević, Ivan Tupajić, Darko Jovanović, Kristina Luković, Milan Ugrinović, Jelena Stojiljković</i> CHEMICAL AND MORPHOLOGICAL PARAMETERS OF SWEET CORNS INFLUENCED BY PRODUCTION METHOD
	6. <i>Sladjan Adžić, Aleksandra Rakonjac, Nenad Pavlović, Ivana Živković, Kamenko Bratković, Veselinka Zečević, Kristina Luković</i> THE SIGNIFICANCE OF HETEROSIS IN CABBAGE SEED PRODUCTION
	7. <i>Miloš Marjanović, Ivana Živković, Sladjan Adžić, Aleksandra Rakonjac, Jelena Stojiljković, Ivan Tupajić, Nenad Pavlović</i> THE IMPACT OF CLIMATE CHANGE ON PEPPER SEED QUALITY PARAMETERS DURING TWO YEARS
	8. <i>Kristina Luković, Nenad Đurić, Ivan Tupajić, Jelena Stojiljković, Biljana Šević, Mujo Vreva, Aleksandra Rakonjac</i> ARTIFICIAL LIGHTING AS AN EFFECTIVE METHOD FOR INCREASING LETTUCE SEEDLING DEVELOPMENT
	9. <i>Kristina Luković, Aleksandra Rakonjac, Veselinka Zečević, Mirela Matković Stojšin, Vera Rajičić, Milan Stojšin, Kamenko Bratković</i> GENETIC POTENTIAL OF WHEAT AND YIELD STABILITY ACROSS YEARS WITH VARYING CLIMATE CONDITIONS
	10. <i>Kristina Luković, Aleksandra Rakonjac, Vladimir Perišić, Kristina Markeljić, Sladjan Adžić</i>

	THE INFLUENCE OF ARTIFICIAL ILLUMINATION AND TILLAGE TREATMENTS ON ENHANCING LETTUCE GROWTH AND QUALITY
14:00-16:00	Lunch

Lecture Room 38 (first floor), 13:00

Session 2: Pomology and Viticulture

Chair: Science advisor Nebojša Milošević, Ph.D.

Moderators: Prof. Ivan Glišić, Ph.D.; Prof. Mladan Garić, Ph.D.; Prof. Gorica Paunović, Ph.D.

13:00-13:10 1. *Gorica Paunović, Radmila Ilić, Ivan Glišić, Jelena Mladenović*
EVALUATION OF PHYSICAL AND CHEMICAL PROPERTIES OF QUINCE
(*CYDONIA OBLONGA* MILL.) FRUIT

13:10-13:20 Discussion

13:20-13:40 Poster Session - Moderators: as for Session 2

1. *Tatjana Anđelić, Tatjana Vujović, Mirjana Mićević, Jelena Tomić, Boris Rilak, Aleksandra Kalezić-Glišović*

INFLUENCE OF PLANTING MATERIAL ORIGIN ON THE FRUIT QUALITY OF TWO RASPBERRY CULTIVARS ACROSS DIFFERENT HARVEST PERIODS

2. *Mladjan Garić, Ivana Radojević, Dragan Nikolić, Vera Rakonjac, Aleksandar Petrović, Zorica Ranković-Vasić, Darko Jakšić Milos Ristić*
YIELD AND QUALITY OF THE GRAPEVINE VARIETY RED TRAMINAC IN THE NIŠ WINE-GROWING REGION

3. *Tatjana Popović, Danijela Raičević, Radmila Pajović-Šćepanović, Saša Matijašević*

AGROBIOLOGICAL, ECONOMICAL AND TECHNOLOGICAL PROPERTIES OF THE PODGORIČKA BESJEMENA GRAPE VARIETY IN THE PODGORICA SUBREGION

4. *Tatjana Popović, Danijela Raičević, Radmila Pajović-Šćepanović, Saša Matijašević*

THE INFLUENCE OF DIFFERENT VINE LOAD WITH FERTILE BUDS ON YIELD AND QUALITY OF TABLE GRAPE VARIETY KARMEN IN THE PODGORICA SUBREGION

5. *Mirjana Radović, Danijel Mijić, Željko Stević, Radomir Bodiroga, Aleksandra Govedarica-Lučić, Nikola Kukrić, Grujica Vico*

WEB-BASED MULTI-CRITERIA RANKING OF SWEET CHERRY CULTIVARS USING THE MARCOS METHOD

Poster Session

6. *Biljana Veljković, Zorica Sredojević, Dušan Marković, Ranko Koprivica, Marija Gavrilović*

THE IMPORTANCE OF RASPBERRIES IN SERBIA'S EXPORT MARKET

14:00-16:00 Lunch

Lecture Room 31, 13:00

Session 3: Livestock Production

Chair: Prof. Simeon Rakonjac, Ph.D.

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

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|-------------|---|
| 13:00-13:10 | 1. <i>Vladimir S. Kurćubić, Nevena Jeremić, Jovana Novaković</i>
PHYTOTHERAPY OF BOVINE ENDOMETRITIS LIKE RELIABLE, SAFE, EFFECTIVE AND CHEAP EVIDENCE-BASED CONCEPT |
| 13:10-13:20 | 2. <i>Gjoko Bunevski, Vesna Karapetkovska Mihajlova, Ana Palashevska, Aleksandar Klincarov</i>
SELECTION OF CATTLE BREEDS FOR ORGANIC PRODUCTION |
| 13:20-13:30 | 3. <i>Bogdan Cekić, Ivan Ćosić, Dragana Ružić-Muslić, Nevena Maksimović, Tamara Stamenić, Nikola Stanišić, Zsolt Becskei</i>
ENDANGERED BUT RESILIENT: POPULATION AND HEALTH INSIGHTS OF LIPA PRAMENKA SHEEP IN SERBIA |
| 13:30-13:40 | 4. <i>Simeon Rakonjac, Mira Kotlaja, Oliver Stanković, Milun D. Petrović, Snežana Bogosavljević-Bošković, Vladimir Dosković</i>
THE EFFECT OF GENOTYPE AND PARITY ON SOME REPRODUCTIVE CHARACTERISTICS OF SOWS |
| 13:40-13:50 | <i>Discussion</i> |

13:50-14:10 Poster Session

Moderators: as for Session 34

Poster Session

- | | |
|----|---|
| 1. | <i>Bojan Stojanović, Blagoje Stojković, Vesna Davidović, Aleksandra Ivetić, Vladimir Dosković, Ivana Grujić</i>
THE FUNCTIONAL CHARACTERISTICS OF DIETARY FIBER IN GROWING PIG NUTRITION |
| 2. | <i>Milun Petrović, Snežana Bogosavljević-Bošković, Vladan Bogdanović, Radojica Đoković, Simeon Rakonjac, Miloš Petrović, Vladimir Dosković</i>
SHEEP AND GOAT NUTRITION IN THE ORGANIC FARMING SYSTEM |
| 3. | <i>Daniel Simakoski, Vesna Karapetkovska-Hristova, Darko Veljanovski, Vlade Kozarevski, Nikola Pacinovski</i>
THE EFFECT OF REPRODUCTIVE SYNCHRONIZATION ON LAMBING EFFICIENCY AND MILK YIELDS IN SHEEP FARMING SYSTEMS IN THE BALKANS |

14:00-16:00 Lunch

Amphitheatre, 13:00

Session 4: Plant Protection, Food Safety and the Environment

Chair: Prof. Snežana Tanasković, Ph.D.

Moderators: Science advisor Darko Jevremović, Ph.D.; Prof. Milan Šević, Ph.D.

13:00-13:10 1. Velibor Spalević, Branislav Dudić

TRENDS AND CHALLENGES IN THE MANAGEMENT OF AGRICULTURAL HOLDINGS IN MONTENEGRO: A STRUCTURAL ANALYSIS (2010-2016)

13:10-13:20 2. Kristina Markeljić, Duško Brković, Aleksandra Rakonjac, Nevena Đorđević, Snežana Simić

ALGAL-BASED ASSESSMENT OF ECOLOGICAL STATUS: A CASE STUDY OF THE DESPOTOVICA RIVER

13:20-13:30 3. Ljubica Šarčević-Todosijević, Kristina Vojvodić, Jelena Golijan Pantović, Bojana Petrović, Vera Popović, Vladimir Filipović, Janko Pejović

PHARMACOLOGICAL AND BIOCHEMICAL ACTIVITY OF PLANT POLYPHENOLS

13:30-13:40 Discussion

13:40-14:00 Poster Session - Moderators: as for Session 4

1. Milena Radenković, Aleksandra Milošković, Nataša Kojadinović, Tijana Veličković, Simona Đuretanović, Vladica Simić

HEALTH STATUS OF ŠUMARICE RESERVOIR: A STUDY BASED ON INDEX OF BIOTIC INTEGRITY (IBI)

2. Aleksandra Milošković, Milena Radenković, Nataša Kojadinović, Simona Đuretanović, Tijana Veličković, Vladica Simić

CONTENT OF POTENTIALLY TOXIC ELEMENTS IN FRESHWATER FISH *SANDER LUCIOPERCA* IN SERBIA: MINI REVIEW

3. Gordana Kulić, Jelena Golijan Pantović, Sveto Rakić, Boris Pisinov

SUNFLOWER HUSK: FROM WASTE MATERIAL TO A USEFUL RESOURCE

4. Mladen Zovko, Ivan Ostojić, Marija Banožić

EVALUATION OF THE EFFICACY OF FOOD-BASED ATTRACTANTS FOR MONITORING *DROSOPHILA SUZUKII* (DIPTERA: DROSOPHILIDAE) IN SOUR CHERRY CROP

5. Bojana Vasilijević, Darko Jevremović

RT-PCR DETECTION OF CHERRY GREEN RING MOTTLE VIRUS AND CHERRY NECROTIC RUSTY MOTTLE VIRUS IN CHERRY SAMPLES FROM SERBIA

Poster Session

6. *Marina Jovković, Magdalena Knežević, Marina Dervišević, Galina Jevđenović, Jelena Maksimović, Jelena Pavlović, Mira Milinković, Aneta Buntić*

IMPROVING GERMINATION AND PROTECTION OF WHEAT SEEDS WITH NEW BACTERIAL ISOLATES FROM ALKALINE SOIL

7. *Marijana Nikolić, Marija Jakovljević, Aleksandra Tubić, Branko Kordić, Branislav Jović, Predrag Simović, Vladica Simić*

VISUAL IDENTIFICATION OF MICROPLASTIC CONTAMINATION IN COMMON BLEAK (*ALBURNUS ALBURNUS*, L. 1758) FROM GRUŽA LAKE

8. *Aleksandra Žerađanin, Kristina Joksimović, Marija Lješević, Branka Lončarević, Gordana Gojgić-Cvijović, Vladimir Beškoski, Jasmina Nikodinović-Runić*

DEGRADATION OF TEREPHTHALIC ACID USING MICROORGANISMS ISOLATED FROM POLLUTED ENVIRONMENT

9. *Samuel Oluwasegun Adesida, Vera Karličić, Igor Kljujev, Blažo Lalević*
SEWAGE SLUDGE AS A VALUABLE COMPONENT OF HIGH-QUALITY COMPOST: IMPLICATION FOR SOIL HEALTH AND SUSTAINABLE AGRICULTURE

10. *Marija Lješević, Kristina Joksimović, Aleksandra Žerađanin, Branka Lončarević, Natalija Petronijević, Vladimir Beškoski, Jasmina Nikodinović-Runić*

RESPIROMETRIC ANALYSIS FOR MONITORING MICROBIAL ACTIVITY DURING TEREPHTHALIC ACID TRANSFORMATION

11. *Tijana Veličković, Saša Marić, Milena Radenković, Aleksandra Milošković, Đorđe Gajić, Predrag Simović, Vladica Simić*

LENGTH-WEIGHT RELATIONSHIP OF BROWN TROUT (*SALMO TRUTTA*) FROM DIFFERENT RIVER SYSTEMS IN SERBIA

14:00–16:00 Lunch

Conference Room, second floor, 13:00

Session 5: Food Technology

Chair: Prof. Jelena Miočinović, Ph.D.

Moderators: Prof. Zlatan Sarić, Ph.D.; Prof. Milan Nikolić, Ph.D.; Prof. Slaviša Stajić, Ph.D.

13:00–13:10 1. *Milijana Sindić, Marija Pajić*

IMPLEMENTATION OF GOOD HYGIENE PRACTICES IN A MILK PROCESSING PLANT – *Invited paper for Food Technology Section*

13:10-13:20	2. <i>Zlatan Sarić, Smail Žilić, Munevera Begić, Nevena Barać, Miroljub Barać</i> SENSORY PROFILE AND PHYSICAL PROPERTIES OF KUPRES CHEESE
13:20-13:30	3. <i>Sanja Đurđević, Igor Tomašević, Nikola Stanišić, Slaviša Stajić, Dušan Živković</i> THE UTILIZATION OF TEXTURED PEA PROTEIN IN THE PRODUCTION OF MINCED MEAT PRODUCTS
13:30-13:40	4. <i>Vladimir S. Kurćubić, Slaviša Stajić, Nikola Stanišić, Marko Dmitrić, Saša Živković, Matija Munjić, Luka V. Kurćubić</i> CREATION OF SYNERGISTIC PHYTOCOMPLEXES: POTENTIAL OF CIRCULAR ECONOMY TO SOLVE TODAY'S CHALLENGES
13:40-13:50	5. <i>Nevena Barać, Marija Mamić, Andrej Klebec, Ivana Sredović Ignjatović, Mirjana Demin, Miroljub Barać</i> PROTEIN PROFILES AND IN VITRO ANTIOXIDANT PROPERTIES OF MODIFIED SOY PROTEIN ISOLATES
13:50-14:00	Discussion
14:00-14:20	Poster Session - Moderators: as for Session 5
Poster Session	1. <i>Vanja Ostojin, Danica Zarić, Maja Bulatović, Aleksandra Pavlović, Marica Rakin</i> THE ANTIOXIDATIVE POTENTIAL AND STABILITY OF DARK, MILK AND RUBY CHOCOLATE
	2. <i>Danka Milovanović, Valentina Nikolić, Beka Sarić, Marijana Simić, Slađana Žilić</i> PROSPECT OF CORN SILK'S UTILIZATION FOR HEALTH ENHANCEMENT: INTERCONNECTING TRADITIONAL AND MODERN APPROACHES
	3. <i>Biljana Trajkovska, Viktorija Zdraveska, Gjore Nakov, Lina Dimovska</i> SENSORY QUALITY OF COMMERCIAL OAT - BASED MILK ALTERNATIVES AVAILABLE IN NORTH MACEDONIA
	4. <i>Marina Hovjecki, Zorana Miloradovic, Nemanja Kljajevic, Mira Radovanovic, Ana Satric, Jelena Miocinovic</i> EFFECTS OF HEAT TREATMENT AND CALCIUM CHLORIDE OMISSION ON THE RENNETING PROPERTIES OF GOAT MILK
	5. <i>Marko Petković, Alexander Lukyanov, Nemanja Miletić, Danila Donskoy, Aleksandr Zhuravlev</i> A NEW APPROACH TO THE KINETICS OF CONVECTIVE PLUM DRYING USING SENSORS
	6. <i>Mirjana Radovanović, Darinka Živanović, Vesna Đurović</i> THERMO-OXIDATIVE STABILITY OF COLD-PRESSED WALNUT OIL

7. *Neda Đorđević, Vladana Petković, Otilija Keta, Nevena Todorović Vukotić, Ivana Perić, Marijana Živković, Snežana B. Pajović*
CYTOTOXIC EFFECTS OF MELATONIN-TREATED MUSCAT HAMBURG WINE ON HT-29 AND PANC-1 CELLS
8. *Kristina Joksimović, Aleksandra Žerađanin, Iva Giba, Dragica Jakovljević, Marija Lješević, Branka Lončarević, Vladimir Beškoski*
KOMBUCHA BIOFILMS WITH LEVAN AND PULLULAN: PROPERTIES AND BIOLOGICAL ACTIVITIES
9. *Branka Lončarević, Kristina Joksimović, Ivana Krekić, Aleksandra Žerađanin, Marija Lješević, Gordana Gojgić-Cvijović, Vladimir Beškoski*
OPTIMIZATION OF LEVAN PRODUCTION BY FERMENTATION OF BACTERIA *BACILLUS SUBTILIS* (NATTO)
10. *Zaga Trišović, Ana Trišović, Marija Stevanović, Wei Li, Branimir Grgur, Tomislav Trišović*
DEVICE FOR INCREASING PRESSURE IN WATER SUPPLY SYSTEMS WITH MEASUREMENT OF ACCUMULATED DRINKING WATER QUALITY
11. *Jelena Mijalković, Neda Pavlović, Marija Korićanac, Nevena Ognjanović, Ivana Gazikalović, Zorica Knežević-Jugović*
NANOSTRUCTURED PUMPKIN LEAF PROTEINS: FABRICATION AND ASSEMBLY FOR HYDROXOCOBALAMIN ENCAPSULATION
12. *Viktorija Stojkovski, Kristina Tomska, Katerina Bojkovska*
QUALITY MANAGEMENT IN FRUIT JUICE PRODUCTION: EFFECTS OF PACKAGING AND STORAGE CONDITIONS ON PH STABILITY

14:00-16:00 Lunch

Lecture Room 30, 13:00

Session 6: Applied Chemistry

Chair: Prof. Milan Mitić, Ph.D.

Moderators: Prof. Vesna Stankov Jovanović, Ph.D.; Prof. Jelena Mladenović, Ph.D.

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|-------------|--|
| 13:00-13:10 | 1. <i>Lina Dimovska, Biljana Trajkovska, Lidija Veljanovska, Nina Dimovska, Jelena Mašković, Pavle Mašković</i>
CHANGES IN THE PHYSICO-CHEMICAL COMPOSITION OF RAW MILK AS A RESULT OF INCREASED SOMATIC CELL COUNT |
| 13:10-13:20 | 2. <i>Nebojša Đ. Pantelić</i>
EVALUATION OF MINERAL WATERS QUALITY FROM VRNJAČKA BANJA: PHYSICO-CHEMICAL AND ELEMENTAL ANALYSIS |
| 13:20-13:30 | Discussion |

13:30-13:50 Poster Session - Moderators: as for Session 6

Poster Session

1. *Marija Banožić, Adrijana Filipović, Josipa Krezić, Krunoslav Aladić, Stela Jokić*

A COMPARATIVE STUDY OF ULTRASOUND AND SUBCRITICAL WATER EXTRACTION OF PHENOLIC COMPOUNDS FROM TOBACCO WASTE

2. *Mirjana Ž. Grujović, Katarina G. Marković, Teresa Semedo-Lemsaddek, Jelena M. Mašković*

CHEMICAL CHARACTERISTICS AND FUNCTIONAL CONTRIBUTIONS OF *ENTEROCOCCUS* SPP. ISOLATED FROM RAW GOAT CHEESE: METABOLITE PRODUCTION AND ENZYMATIC ACTIVITY

3. *Marijana Živković, Irena Novaković, Sandra Šegan, Neda Đorđević, Dušan Sladić* STEROIDAL THIOSEMICARBAZONES: DRUG-LIKENESS AND ANTIOXIDANT PROPERTIES

4. *Marijana Živković, Stepan Stepanović, Dušan Sladić* STEROIDAL THIAZOLIDIN-4-ONES: IN SILICO PREDICTION OF TOXICITY

5. *Milena Miljković, Vojkan Miljković, Aleksandra Pavlović, Katarina Milenković*

EXAMINATION OF THE QUANTITATIVE COMPOSITION OF MACRO AND MICROELEMENTS OF THE BARK OF *SAMBUCUS NIGRA* L.

6. *Katarina Milenković, Jelena Mrmošanin, Denis Mitov, Stefan Petrović, Snežana Tošić, Ivana Rašić Mišić, Aleksandra Pavlović*

EVALUATION OF ICP AES METHOD FOR ELEMENT DETERMINATION IN *ROSA CORYMBIFERA* BORKH. SAMPLES

7. *Denis Mitov, Stefan Petrović, Katarina Milenković, Jelena Mrmošanin, Aleksandra Pavlović, Emilija Pecev-Marinković, Snežana Tošić*

THE EFFECT OF ELEVATED CADMIUM CONCENTRATIONS ON THE ANTIOXIDANT ACTIVITY OF LEMON BALM

8. *Milan Mitić, Pavle Mašković, Vesna Stankov Jovanović, Jelena Nikolić, Milica Nikolić, Zoran Pržić, Nebojša Marković*

EXPLORING THE ANTIOXIDANT ACTIVITY OF BLEEDING SAP FROM VARIOUS GRAPE VARIETIES

9. *Jovana Matić, Nevena Petrović, Marijana Kosanić*

ANTIMICROBIAL AND ANTIOXIDANT PROPERTIES OF THE METHANOLIC EXTRACT OF THE EDIBLE MUSHROOM *XEROCOMUS SUBTOMENTOSUS*

14:00-16:00 Lunch

18:00 Gala Dinner

SECOND DAY OF SYMPOSIUM, 14.03.2025.

Amphitheatre, 10:00

Session 7: *Nutritionism*

Chair: Prof. Vladimir Jakovljevic, Ph.D.

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

10:00-10:20

Poster Session

1. *Teodora Todorović, Milica Milinković Šorgić, Slađana Novaković, Božidar Pindović, Jovan Milosavljević, Maja Barudžija, Vladimir Živković, Aleksandar Kocovic, Nikola Jović, Isidora Milosavljević, Vladimir Jakovljevic, Jovana Joksimović Jović*

PRELIMINARY FINDINGS ON THE INFLUENCE OF WILD GARLIC EXTRACT ON CARDIOVASCULAR ISSUES IN PCOS RATS

2. *Katarina Đorđević, Božidar Pindović, Katarina Mihajlović, Jelena Terzić, Zorka Stanić, Katarina Postolović, Vladimir Živković, Vladimir Jakovljević, Tamara Nikolić Turnić*

THE EFFECT OF CURCUMIN ON CHANGES IN OXIDATIVE STRESS PARAMETERS IN ANIMAL MODEL OF RHEUMATOID ARTHRITIS: A PILOT STUDY

⊕ Coctail

⊕ Panel discussion I "The impact of climate change and heat stress on the Agri-Food sector" (Moderator: Dr. Marko Cincović) (30 min)

⊕ Panel discussion II "The importance of the agronomist's advisory role in solving professional and eco-demographic challenges" (Moderator: Mr. Miloš Vujisić) (30 min)

⊕ Panel discussion III "How to overcome fear of meat consumption and innovative meat products: realistic perspectives" (Moderator: Dr. Slaviša Stajić) (30 min)

⊕ Joint creation of a Special Issue of the *Future Postharvest and Food*, official journal of the International Association of Dietetic Nutrition and Safety, indexed in SCOPUS): a selection of papers with and outside the framework of the Symposium - Courtesy of WILEY (Moderator: Prof. V. Kurćubić, Ph.D.)

⊕ Discussion

⊕ Cocktail

⊕ Organized visit to the village of Pridvorica and the distillery for the production of the famous Serbian brandy "Jelički dukat" <https://jelickidukat.rs/>