

15th hransom do zdravlja with food to health

September 17th and 18th 2025, Osijek, Croatia

15th International Scientific
and Professional Conference
WITH FOOD TO HEALTH

15. međunarodni
znanstveno-stručni skup
HRANOM DO ZDRAVLJA



SCIENTIFIC PROGRAMME PROGRAM SKUPA

Organizer:

Josip Juraj Strossmayer University of Osijek, Faculty of Food Technology Osijek



Co-organizers:

Association for Nutrition and Dietetics (Bosnia and Herzegovina)



Croatian Academy of Engineering



Andrija Štampar – Association of People's Health



University of Tuzla, Faculty of Technology (Bosnia and Herzegovina)



University of Tuzla, Faculty of Pharmacy (Bosnia and Herzegovina)



Chamber of Pharmacists of Tuzla Canton (Bosnia and Herzegovina)



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Josip Juraj Strossmayer University of Osijek, Faculty of
Tourism and Rural Development



University of Zagreb, Faculty of Food Technology and
Biotechnology



EHEDG - European Hygienic Engineering & Design Group



ISEKI-Food Association



Croatian Agency for Agriculture and Food



Association of former students and friends of the Faculty
of Food Technology Osijek - TehnOS



Croatian Veterinary Institute



Teaching Institute of Public Health for the Osijek-Baranja
County



Student Council of the Faculty of Food Technology Osijek



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The Croatian Association of Nutritionists



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Agrobiotechnical Sciences Osijek



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Medicine Osijek



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Association of Chemists and Technologists Osijek



Croatian Science Foundation
(project: UIP-2020-02-8461)



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EXHIBITORS



METTLER TOLEDO



MeDietetic





QR CODE na web stranicu skupa

Conference web-site

http://www.ptfos.unios.hr/Hranom_Do_Zdravlja/

Graphic layout

Đuro Jelečević, Studio HS internet d.o.o.

Publisher

Josip Juraj Strossmayer University of Osijek,
Faculty of Food Tehnology Osijek

MEETING VENUES

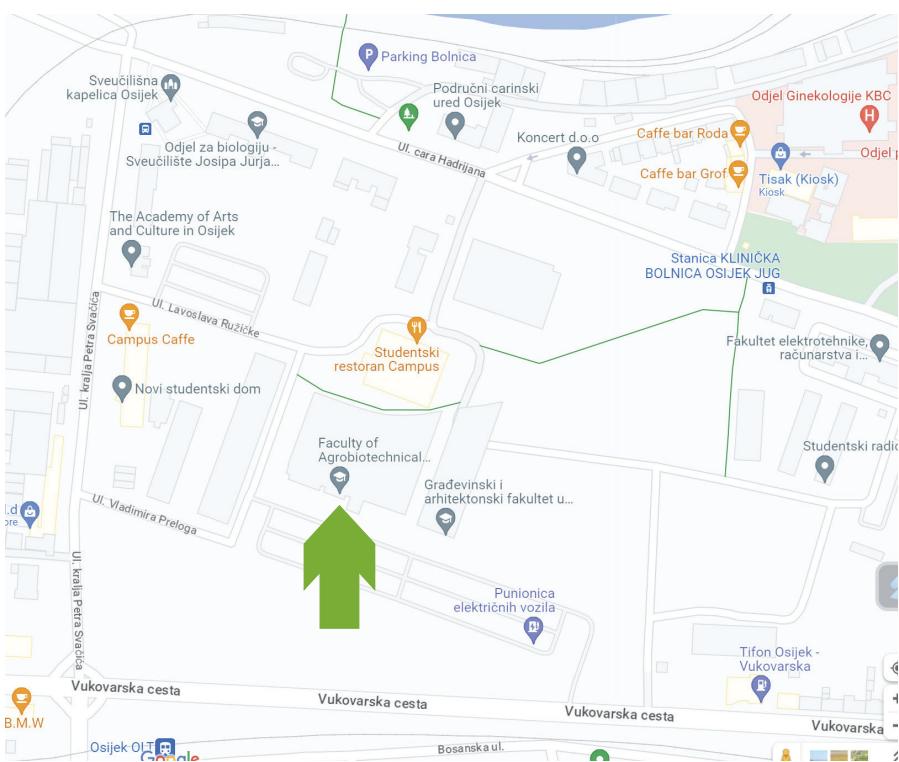
Conference

Fakultet agrobiotehničkih
znanosti Osijek,
Vladimira Preloga 1, Osijek



Conference dinner

Dvorana Bells,
Josipa Jurja Strossmayera 113,
Osijek



Josip Juraj Strossmayer University of Osijek
Faculty of Food Technology Osijek
Sveučilište Josipa Jurja Strossmayera u Osijeku
Prehrambeno-tehnološki fakultet Osijek

**15th International Scientific and Professional
Conference
WITH FOOD TO HEALTH**
17th and 18th September 2025, Osijek, Croatia

**15. međunarodni znanstveno-stručni skup
HRANOM DO ZDRAVLJA**
17. i 18. rujna 2025., Osijek, Hrvatska

SCIENTIFIC PROGRAMME

PROGRAM SKUPA

Wednesday, 17/9/2025 / Srijeda, 17. 9. 2025.

**Faculty of Agrobiotechnical Sciences Osijek, Aula Magna Hall, Vladimira Preloga 1,
Osijek, Croatia**

**Fakultet agrobiotehničkih znanosti Osijek, dvorana Aula Magna, Vladimira Preloga
1, Osijek, Hrvatska**

**8:30 – 9:15 Registration of participants, setting up posters for Day 1
Prijava i registracija sudionika, postavljanje postera za 1. dan**

**9:15 – 10:05 Conference Opening Ceremony
Otvorenje Skupa
(Short break, Kratka stanka 5-10 min.)**

**10:05 – 11:15 PLENARY LECTURES
PLENARNA PREDAVANJA
Chairs | Moderatori: Daniela Čačić Kenjerić, Greta Krešić**

**Plenary lectures / Plenarna predavanja
NUTRITIONAL PROGRAMMING IN THE FIRST 1000 DAYS - IMPLICATIONS
FOR LIFELONG HEALTH**

Tena Niseteo

**10:05 – 11:15 FOOD SUPPLEMENTS – COMPOSITION, SAFETY, INTERACTIONS, GLOBAL
TRENDS**

Lea Pollak

BODY COMPOSITION AND METABOLIC HEALTH

Ines Bilić Ćurčić

**11:15 – 11:45 Coffee Break, Poster Session
Pauza za kavu, razgledavanje postera**

**11:45 – 12:30 ROUNDTABLE / OKRUGLI STOL
Chair | Voditelj: Ines Banjari**

FOOD SUPPLEMENTS AND SPORTS – MYTHS AND TRUTHS

Chair | Voditelj: Ines Banjari

11:45 – 12:30 Panelists | Panelisti:

Lea Pollak, Vedran Stapić, Alma Bunić

**12:30 – 14:15 Lunch break, Poster Session
Pauza za ručak, razgledavanje postera**

INVITED LECTURES AND ORAL PRESENTATIONS**14:15 – 15:45 POZVANA PREDAVANJA I USMENA PRIOPĆENJA**

Chairs | Moderatori: Đurđica Ačkar, Ante Lončarić

Invited lectures / Pozvana predavanje**METFORMIN AS THE ELIXIR OF LIFE**

Branislava Teofilović

THROUGH KNOWLEDGE TO HEALTH: THE EDUCATIONAL ROLE OF PHARMACISTS IN FOOD SUPPLEMENTATION

Katarina Fehir Šola

Oral presentations / Usmena priopćenja**SMART SUPLEMENTATION**

Sanja Kovačić, Barbara Ebling, Rajko Fureš

COORDINATED FUNCTION OF GASTROINTESTINAL HORMONES IN ENERGY**14:15 – 15:45****AND METABOLIC HOMEOSTASIS: A KEY FACTOR IN THE PREVENTION AND****TREATMENT OF OBESITY AND METABOLIC SYNDROME**

Nizama Salihefendić, Muharem Zildžić, Dženita Salihefendić

THE IMPORTANCE OF PROPER NUTRITION IN TERMS OF CARDIOVASCULAR REHABILITATION OUTCOMES

Dorothea Bedeković

NUTRITIONAL STRATEGIES IN CANCER PREVENTION: THE ROLE OF CALCIUM IN COLORECTAL CANCER

Suzana Blažanović, Maja Čebohin, Vice Tomičić, Lidija Tomas, Martina Smolić, Robert Smolić

PRECISION INSTRUMENTS FOR RELIABLE FOOD AND BEVERAGE ANALYSIS

Igor Koenig, Irma Majstorović

15:45 – 16:15***Coffee Break, Poster Session*****Pauza za kavu, razgledavanje postera**

INVITED LECTURES AND ORAL PRESENTATIONS**16:15 – 17:45 POZVANA PREDAVANJA I USMENA PRIOPĆENJA**

Chairs | Moderatori: Anita Pichler, Mirela Kopjar

Invited lectures / Pozvana predavanje**GUT MICROBIOME AND AGING – CAN WE RESET IT**

Živka Dika, Josip Juras, Boris Lovrić

BENEFITS OF GLP-1 RECEPTOR AGONISTS AND NUTRITION IN THE TREATMENT OF OBESITY IN PATIENTS WITH TYPE 2 DIABETES

Mirsad Šljivić, Midhat Jašić, Mugdim Bajrić, Aleksandar Aleksovski, Jusuf Hodžić, Dženad Jusić

Oral presentations / Usmena priopćenja**16:15 – 17:45 THE IMPACT OF CLIMATE CHANGE ON FOOD QUALITY AND FOOD SAFETY**

Mirna Habuda-Stanić

GUT MICROBIOTA – OUR SECOND FINGERPRINT: CASE REPORT

Dražen Sitaš, Katarina Fehir Šola

NUTRITION AND FERTILITY PRESERVATION

Josip Juras, Živka Dika, Ivan Vukoja

INTRODUCTION OF COMPLEMENTARY NUTRITION

Mirjana Zukić

HOW TO TURN CHALLENGES INTO OPPORTUNITIES FOR IMPROVEMENT

Džulija Kraleva-Ivanova

20:00**Conference dinner****Svečana večera****Address / Adresa**

Josipa Jurja Strossmayera 113, Osijek

Thursday, 18/9/2025 / Četvrtak, 18. 9. 2025.

**Faculty of Agrobiotechnical Sciences Osijek, Aula Magna Hall, Vladimira Preloga 1,
Osijek, Croatia**

**Fakultet agrobiotehničkih znanosti Osijek, dvorana Aula Magna, Vladimira Preloga
1, Osijek, Hrvatska**

**8:30 – 9:15 Registration of participants, setting up posters for Day 2
Prijava i registracija sudionika, postavljanje postera za 2. dan**

PLENARY AND INVITED LECTURES

**09:15 – 10:40 PLENARNA I POZVANA PREDAVANJA
Chairs | Moderatori: Marija Stjepanović, Sanja Kolarić Kravar**

Plenary lecture / Plenarno predavanje

**ANTIMICROBIAL RESISTANCE – A GLOBAL HEALTH PROBLEM OF 21ST
CENTURY**

Boris Habrun, Gordan Kompes, Antonela Bagarić, Eva Postružin

Invited lectures / Pozvana predavanja

**NUTRITIONAL STATUS IN VULNERABLE GROUPS: PEOPLE WITH MENTAL
DISORDERS**

Lidija Šoher, Milica Cvijetić Stokanović, Martina Pavlić, Daniela Kenjerić

SUSTAINABLE DIET OF STUDENTS

**09:15 – 10:40 Sandra Pavičić Žeželj, Gordana Kendel Jovanović, Greta Krešić, Elena
Dujmić**

Oral presentations / Usmena priopćenja

PSORIASIS AND NUTRITION – ALLIES OR ENEMIES

Melita Vukšić Polić, Maja Gradinjan Centner, Tatjana Bačun, Dunja Šojat

**THE IMPACT OF THE KETOGENIC DIET ON REGRESSION OF METABOLICALLY
ASSOCIATED FATTY LIVER DISEASE (MAFLD)**

Dragan Novosel

**DETERMINANTS OF MENTAL HEALTH AND DIETARY AND LIFESTYLE HABITS
– AN OBSERVATIONAL STUDY**

Andrijana Marold, Maja Škarić, Ines Banjari

**10:40 – 11:10 Coffee Break, Poster Session
Pauza za kavu, razgledavanje postera**

INVITED LECTURES AND ORAL PRESENTATIONS**11:10 – 12:30 POZVANA PREDAVANJA I USMENA PRIOPĆENJA**

Chairs | Moderatori: Marija Banožić, Lidija Šoher

Invited lectures / Pozvana predavanja**FOOD ENGINEERING FOR HEALTH IMPACT: IN-VITRO ASSAY FOR CANCER CELL VIABILITY AND PROLIFERATION TO SCREEN ANTI-CANCER BIOACTIVITY OF FRUIT, VEGETABLE AND FUNGI SOURCES AND SELECT TECHNOLOGIES FOR THEIR PROCESSING AND PRESERVATION**

Josip Šimunović, Drazen Raucher, Mirela Kopjar

FOOD IS NOT WASTE!

Sanja Kolaric Kravar

UNLOCKING THE POTENTIAL OF BERRY BY-PRODUCTS: A SUSTAINABLE AND HEALTH-BOOSTING APPROACH TO FOOD INNOVATION

Sandra Pedisić, Maja Repajić, Ana Dobrinčić, Sandra Balbino, Zoran Zorić, Verica Dragović-Uzelac, Ivona Elez-Garofulić

Oral presentations / Usmena priopćenja**11:10 – 12:30****MICROBIAL SYNERGY FOR A GREENER FUTURE THROUGH PHB PRODUCTION FROM SUGARS**

Dajana Kučić Grgić, Dora Bramberger, Karlo Grgurević, Martina Miloloža, Marinko Markić, Jasmina Ranilović, Klara Opačak, Krunoslav Aladić, Ivica Strelec, Stela Jokić

INNOVATIVE APPLICATION OF ENCAPSULATED BLACKTHORN (*PRUNUS SPINOSA L.*) FLOWER EXTRACTS IN PHYTOTHERAPY, FOOD TECHNOLOGY AND COSMETICS

Nikolina Gaćina, Ivona Elez Garofulić

NEW GENERATION OF METTLER TOLEDO LABORATORY SCALES

Davor Milanović

NIR SPECTROSCOPY: A REVOLUTION IN FOOD QUALITY CONTROL

Andrea Gelemanović

12:30 – 13:00***Coffee Break, Poster Session*****Pauza za kavu, razgledavanje postera**

INVITED LECTURES AND ORAL PRESENTATIONS**13:00 – 14:30 POZVANA PREDAVANJA I USMENA PRIOPĆENJA**

Chairs | Moderatori: Stela Jokić, Maja Molnar

Invited lectures / Pozvana predavanja**COLD PLASMA TECHNOLOGY MODIFIES PLANT SECONDARY METABOLITE PROFILE BOOSTING NUTRIENT CONTENT IN SPROUTS**

Tihana Marček

MICRO PARTICLES – MACRO PROBLEMS: THE THREAT OF MICROPLASTICS TO THE HUMAN FOOD CHAIN AND HUMAN HEALTH IN LIGHT OF TWO DECADES OF RESEARCH ON MICROPLASTIC POLLUTION

Tanja Bogdanović, Jelka Pleadin

Oral presentations / Usmena priopćenja**EXPOSURE TO CAFFEINE WITH RISK ASSESSMENT ON THE HEALTH STATUS OF THE POPULATION IN THE SARAJEVO CANTON****PORK BLOOD PLASMA AS A PROTEIN SOURCE IN FUNCTIONAL COCOA CREAM PRODUCTS**

Milica Stožinić, Ivana Lončarević, Biljana Pajin, Branislav Šojić, Danica Zarić, Đurđica Ačkar, Jovana Petrović, Ivana Nikolić

13:00 – 14:30 PHOTOSYNTHETIC EFFICIENCY DURING FLAG LEAF SENESCENCE AND Elevated TEMPERATURES AFFECTS WINTER WHEAT GRAIN YIELD AND QUALITY

Katarina Šunić Budimir, Zorana Katanić, Valentina Španić

THE INFLUENCE OF SALINITY ON THE RIPENING AND QUALITY OF EARLY UNSHIU MANDARIN (*CITRUS UNSHIU MARC.*) CULTIVARS IN THE NERETVA VALLEY

Iva Mračić Raič, Ivana Paladin Soče, Jelena Baule, Mara Marić, Domagoj Ivan Žeravica, Nela Nedić Tiban

INCREASED SHELLFISH TOXICITY DUE TO THE PRESENCE OF OKADAIC ACID IN RAŠA BAY, CROATIA

Kristina Kvrgić, Dijana Mišetić Ostojić, Karla Alibašić, Natalija Džafić, Jelka Pleadin

DOUBTS IN DECLARING CERTAIN TYPES OF HONEY

Dijana Mišetić Ostojić, Kristina Kvrgić, Natalija Džafić

MYCOTOXINS IN BEE POLLEN: IMPLICATIONS FOR HONEYBEE HEALTH AND HUMAN CONSUMPTION

Nela Drača, Tomislav Klapac, Drago Šubarić, Sunčana Gavran, Ivana Nemet, Marija Smiljanić, Ivan Miletić, Tihomir Kovač

14:30***Conference closing*****Zatvaranje Skupa**

POSTER PRESENTATIONS / POSTER PREZENTACIJE
Wednesday, 17/9/2025 / Srijeda, 17. 9. 2025.

NUTRITION / NUTRICIONIZAM	
P-01	FROM OBESITY TO PROLACTINOMA – HYPERPROLACTINEMIA AND HYPOGONADOTROPIC HYPOGONADISM: CASE REPORT Ivan Lekić, Barbara Bačun, Dunja Šojat, Tatjana Bačun
P-02	NUTRITION AND BRAIN HEALTH: THE ROLE OF NUTRIENTS IN COGNITIVE FUNCTION AND MENTAL WELL-BEING Sena Bogdanović, Marin Buljan
P-03	PROTEIN INTAKE IN ELDERLY WITH CHRONIC KIDNEY DISEASE Živka Dika, Josip Juras, Boris Lovrić
P-04	THE ASSOCIATION OF MATERNAL AND INFANT SELF-REPORTED ANEMIA DURING EARLY LIFE: AN ONLINE QUESTIONNAIRE ANALYSIS Ivana Domislović, Adrijana Miletić Gospić
P-05	WATER AS A SIGNIFICANT CONTRIBUTOR TO THE TOTAL DAILY IODINE INTAKE? Marija Dundović, Milica Cvijetić Stokanović, Lara Marcijuš, Marina Ferenac Kiš, Tomislav Klapec, Biljana Crevar, Ines Banjari
P-06	PROCESSED FOOD INTAKE PATTERNS IN PATIENTS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE ACROSS FOUR SEVERITY STAGES Alda Ranogajec, Ana Ilić, Antonija Karić, Snježana Benko Meštrović, Ivana Rumbak
P-07	GUT MICROBIOME AND WOMEN'S HEALTH Josip Juras, Živka Dika, Boris Lovrić
P-08	HEALTH VALUE OF LIPID INDICES IN TURKEY MEAT Zlata Kralik, Zoran Škrtić, Manuela Košević, Igor Kralik
P-09	DIET QUALITY ASSESSMENT BASED ON THE DIET QUALITY QUESTIONNAIRE – AN OBSERVATIONAL STUDY FROM HERZEGOVINA Darija Krešić, Petra Lelas, Martina Soldo, Ivana Jukić, Valentina Šimunović
P-10	IODINE STATUS OF CHILDREN WITH NEURODEVELOPMENTAL CONDITIONS Vanessa Ivana Peričić, Milica Cvijetić Stokanović, Tomislav Klapec, Biljana Crevar, Ines Banjari

P-11	FOOD AND COLORECTAL CANCER: SYSTEMATIC REVIEW OF DIETARY INFLUENCES ON RISK, PREVENTION AND OUTCOMES Silvana Piškorjanac, Marija Barišić, Željko Mudri
P-12	BODY COMPOSITION, MUSCLE STRENGTH, DIET QUALITY AND EATING HABITS OF STUDENT POPULATION Ivana Rumora Samarin, Lara Cišper, Ines Panjkota Krbavčić
P-13	SOURCES OF NUTRITION INFORMATION AMONG PROFESSIONAL AND SEMI-PROFESSIONAL ATHLETES: A CROSS-SECTIONAL STUDY Tamara Sorić, Ivona Brodić, Ana Sarić, Manuela Miklaj, Marijana Matek Sarić
P-14	VEGETABLE CHIPS WITH SAUCE – AN INNOVATIVE NUTRITIONALLY RICH SNACK Katarina Vondrak, Ema Herc, Paola Jambrović, Anita Rašić, Gabrijela Hron, Ivan Rengel, Svjetlana Škrabal
DIETETICS AND DIET THERAPY / DIJETETIKA I DIJETOTERAPIJA	
P-15	LOW-GLYCEMIC LOAD DIET AS A COMPLEMENTARY STRATEGY IN BREAST CANCER MANAGEMENT – A REVIEW Kristina Bojanić, Antoaneta Taslidžić, Justinia Steiner, Ana Petrović, Martina Smolić
P-16	INFANT FORMULA USE IN THE FIRST 24 MONTHS OF LIFE: A NATIONWIDE SURVEY OF CROATIAN PARENTS Danijela Butković, Lara Marcijuš, Tea Vrcelj, Ines Banjari
P-17	FERRITIN AND ANOREXIA NERVOSA – IS IT RELATED TO NUTRITIONAL STATUS? Sara Galić, Orjena Žaja, Ines Banjari
P-18	CONSUMPTION AND ATTITUDES TOWARDS SOY AND SOY-BASED PRODUCTS AMONG WOMEN WITH BREAST CANCER Helena Pavlović, Maja Matoša Kočar, Ines Banjari
P-19	DYNAMICS OF SERUM ALBUMIN IN HOSPITALIZED PATIENTS WITH METASTATIC COLORECTAL CANCER Mirta Peček, Petra Jakšić, Ljiljana Mayer, Ljubica Vazdar, Robert Šeparović

HEALTHY LIFESTYLES / ZDRAVI STILOVI ŽIVOTA	
P-20	DIETARY HABITS OF FEMALE DANCERS Maja Ergović Ravančić, Martina Denon, Sunčana Gavran, Valentina Obradović, Svjetlana Škrabal
P-21	SYNTHESIS, STRUCTURAL CHARACTERISATION AND THERMAL STABILITY OF A COPPER(II) CHROMONE COMPLEX WITH ANTIBACTERIAL ACTIVITY Mislav Vorkapić, Nikolina Filipović, Tomislav Balić, Goran Palijan, Anamarija Stanković
P-22	GREEN SYNTHESIS OF SILVER NANOPARTICLES BY USING <i>LIGUSTICUM MULELLINA</i> (L.) CRANTZ. EXTRACTS Vlatka Gvozdić, Valentina Pavić, Lidija Kalinić, Elvira Kovač Andrić, Zvonimir Užarević, Ivan Čorić, Elma Džemaili, Lovro Mihajlović
P-23	MEDITERRANEAN DIET – A LIFESTYLE Sanja Hlubuček Čingel, Branislav Čingel
P-24	MOBILIZING SMART ECOLABELS AND CITIZEN SCIENCE FOR ADVANCING FOOD LITERACY AND ENABLING SUSTAINABLE TRANSITIONS IN FOOD SYSTEMS Vladimir Kitanovski, Monika Lutovska, Zoran Trifunov, Sani Demiri, Olga Popovska, Stevan Kjosevski
P-25	TRENDS AND REGIONAL DIFFERENCES IN CHILDHOOD OVERWEIGHT AND OBESITY IN CROATIA: RESULTS FROM THREE ROUNDS OF THE CROCOSSI STUDY Ivana Kotromanović Šimić, Nika Lovrinčević Pavlović, Darko Kotromanović, Matea Matić Ličanin, Jelena Kovačević, Ilijan Tomaš, Dubravka Biuk, Egon Biuk, Maja Miškulin, Ivan Miškulin
P-26	NUTRITION AND APPEARANCE OF A BALLERINA'S BODY Renata Pavić, Lara Sablić, Marijana Čavala, Dodi Malada, Zvonimir Marijanović
P-27	LIFESTYLE AND DIETARY HABITS OF EDUCATION PROFESSIONALS Anita Matić, Nikolina Lazić, Daria Kemenc, Dunja Igrec, Svjetlana Marić
P-28	DIETARY HABITS OF PHYSICALLY ACTIVE INDIVIDUALS DURING GRAPE HARVEST IN CHAMPAGNE REGION Valentina Obradović, Lara Zadravec, Maja Ergović Ravančić, Sunčana Gavran, Svjetlana Škrabal

P-29	INTERMITTENT FASTING AND MENTAL HEALTH: NEUROBIOLOGICAL INSIGHTS, THERAPEUTIC POTENTIAL AND CHALLENGES Andrijana Šantić, Krešimir Šantić, Maja Gradinjan Centner, Hrvoje Centner, Dunja Degmečić
P-30	THE IMPACT OF BODY WEIGHT AND BODY FAT PERCENTAGE ON INFLAMMATION IN POSTMENOPAUSAL WOMEN Anja Akmadžić, Sara Anić, Dunja Šojat, Marko Pirić, Melita Vukšić Polić, Kristina Kralik, Ružica Palić Kramarić, Tatjana Bačun
P-31	THE IMPACT OF BODY WEIGHT AND BODY FAT PERCENTAGE ON COGNITIVE FUNCTION IN POSTMENOPAUSAL WOMEN Sara Anić, Anja Akmadžić, Dunja Šojat, Marko Pirić, Melita Vukšić Polić, Kristina Kralik, Ružica Palić Kramarić, Tatjana Bačun, Dunja Degmečić
P-32	CARDIOVASCULAR RISK, ADHERENCE TO MEDITERRANEAN DIET, AND BUTYRATE LEVELS IN POPULATION OF HOMELAND WAR VETERANS DIAGNOSED WITH PTSD Živana Puljiz, Maksym Shmatkov, Antonio Starčević, Josipa Bilobrk, Joško Božić, Marko Kumrić, Jurica Žučko
FOOD ANALYSIS / ANALIZA HRANE	
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P-34	VOLATILE COMPOUNDS OF WORCESTERSHIRE SAUCE Žana Delić, Zvonimir Marijanović, Ivana Čoraš, Mladenka Šarolić, Marko Šuste, Tomislav Svalina
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“The best diet is one that makes you feel good.”