

PROGRAM OF CONFERENCE

Sunday, 07.04.2019

17⁰⁰ – 20⁰⁰ – Arrival and registration participants of conference.

Monday, 08.04.2019.

09⁰⁰ – 10⁰⁰ Opening of conference and „Welcome cocktail“.

10⁰⁰ – 13²⁵ – Block A - By invitation (Serbian ↔ English translation):

Chairpersons: dr Cosmin Salasan, dr Izabela Witonska, dr Jelena Pejcin

10⁰⁰ - 10³⁰ Gerhard Schleining et al, ISEKI-Food Association, Vienna, Austria: PROJECTS AND ADVANCES IN EDUCATION AND CONTINUOUS PROFESSIONAL DEVELOPMENT RELATED TO FOOD WASTE

10³⁰ - 11⁰⁰ Izabela Witonska et al, University of Technology, Lodz, Poland: SUMMARY OF THE PROJECT: “PROCESSING OF WASTE BIOMASS IN ASSOCIATED BIOLOGICAL AND CHEMICAL PROCESSES

11⁰⁰ - 11³⁰ Artur Wiktor et al, Warsaw University of Life Sciences, Poland: PRINCIPLES AND APPLICATIONS OF PULSED ELECTRIC FIELD

11.30 - 11.45 - Pause

Chairpersons: dr Filip Kulić, dr Gerhard Schlaining, dr Ayse Tulin Oz

11⁴⁵ - 12¹⁰ Cosmin Salasan et al, Banat's University of Agricultural Sciences and Veterinary Medicine, Timisoara, Romania: CONSUMPTION ORIENTATION - SMALL MARKETS VERSUS SUPERMARKETS IN ROMANIA

12¹⁰ - 12³⁵ Mirko Babić, University of Novi Sad, Faculty of Agriculture, Serbia: SUSTAINABLE AND ENERGETICALLY AUTONOMOUS MODELS FOR DRYING FRUIT, VEGETABLES AND SIMILAR BIOMATERIALS

12³⁵ - 13⁰⁰ Jelena Pejcin et al, University of Novi Sad, Faculty of Technology, Serbia: FOOD PROCESING BY-PRODUCTS IN L-(+)-LACTIC ACID FERMENTATION

13⁰⁰ - 13²⁵ Afam Israel Obiefuna Jideani et al, University of Venda, South Africa: MAGWINYA (FRIED DOUGH) PRODUCTION AND CONSUMPTION IN LIMPOPO PROVINCE, SOUTH AFRICA: TOWARDS A HEALTHIER FRIED CEREAL SNACK

13²⁵ – 14⁰⁰ Poster section - looking of poster and talking with authors

13⁰⁰ – 15⁰⁰ Lunch

15⁰⁰ – 19⁰⁰ – Blok B - Oral presentations in English – hall B

Chairpersons: dr Sandra Voća, dr Ioannis Mourtzinou, dr Milivoj Radojčin

15⁰⁰ - 15¹⁵ Marija Milašinović-Šeremešić et al, (By invitation) Institute of Food Technology in Novi Sad: CHEMICAL COMPOSITION AND AMINO ACID PROFILES IN DIFFERENT TYPES OF MAIZE KERNELS

15¹⁵ - 15³⁰ Dejan Bogosavljević, Centro de Formação Profissional para o Setor Alimentar Pontinha, Portugal: INNOVATIVE FOOD DEHYDRATION TECHNOLOGIES FOR INDUSTRIAL APPLICATIONS WITH ENERGY EFFICIENCY AND HIGHER QUALITY OF FINAL PRODUCTS

15³⁰ - 15⁴⁵ Radmilo Čolovići et al, Institute of Food Technology, Novi Sad: FEED PLANT FOR MAXIMAL EFFICIENCY AND WORKING ACCURACY

16⁰⁰ - 16¹⁵ Ioannis Mourtzinou et al, Aristotle University of Thessaloniki, Greece: GREEN EXTRACTION OF POLYPHENOLS FROM AGRICULTURAL BY-PRODUCTS AND FOOD WASTE

16¹⁵ - 16³⁰ Pause

Chairpersons: dr Radmilo Čolović, dr Aleksandara Đukić-Vuković, dr Danijela Šuput

16³⁰ - 16⁴⁵ Nikola Talan et al, Faculty of Food Technology and Biotechnology, Zagreb, Croatia: PHYSICAL, CHEMICAL AND SENSORY PROPERTIES OF INSTANT COCOA POWDER ENRICHED WITH INDUSTRIAL HEMP EXTRACT (CANNABIS SATIVA L.)

16⁴⁵ - 17⁰⁰ Dragana Mladenović et al, Faculty of Technology and Metallurgy, Belgrade, Serbia: VALORISATION OF SUNFLOWER SEED HULL IN LACTIC ACID FERMENTATION

17⁰⁰ - 17¹⁵ Michal Binczarski et al, University of Technology, Lodz, Poland: OPTIMIZATION AND SCALE-UP OF ACIDIC HYDROLYSIS

OF SUGAR BEET WASTE FOR FURFURAL PRODUCTION

17¹⁵ - 17³⁰ Adnan Bozdoğan et al, Osmaniye Korkut Ata University, Osmaniye, Turkey: PRODUCTION OF SALGHAM BEVERAGE USING DIFFERENT RATES OF BLACK AND YELLOW CARROTS

17³⁰ - 17⁴⁵ Pause

Chairpersons: Dragana Mladenović, dr Artur Wiktor, dr Vesna Vučurović

17⁴⁵ - 18⁰⁰ Aleksandra Djukić-Vuković et al, Faculty of Technology and Metallurgy, Belgrade, Serbia: LACTIC ACID PRODUCTION ON *CHLORELLA VULGARIS* EXTRACTS

18⁰⁰ - 18¹⁵ Ö. Faruk Gamli, Korkut Ata University, Turkey: DRYING KINETICS OF EXTRACTION CAKE OF GROUND NUT SEED BY CONVECTIONAL DRYING

18¹⁵ - 18³⁰ Nevena Hromiš et al, Faculty of Technology, Novi Sad, Serbia: DETERMINING THE ANTIOXIDATIVE ACTIVITY OF COMPOSITE BIOPOLYMER FILM OBTAINED FROM THE BY-PRODUCTS OF EDIBLE OIL INDUSTRY

18³⁰ - 18⁴⁵ Sandra Bulut et al, Faculty of Technology, Novi Sad, Serbia: ANTIOXIDANT ACTIVITY OF BIOPOLYMER FILMS BASED ON PUMPKIN OIL CAKE AND ESSENTIAL OILS

17⁰⁰–19⁰⁰ Seminar for technologists and managers silos and seed processing - congress hall

Nemanja Ivković: Technical diagnostics at the drying and storage center,

Mirko Babić: Pumps and fans - basics,

Presentation of dryers „Strahl“ - Italy, News from the "Bühler" group,

Presentation of "Tehnika komerc", Novi Sad

20.00 Wine Evening: Presentation and tasting of wines from several well-known wineries in Serbia.

Tuesday, 09.04.2019.

9⁰⁰-13⁰⁰ - Blok A - By invitation (Serbian ↔ English translation):

Chairpersons: dr Ivan Pavkov, dr Marco Dalla Rosa, dr Milica Radosavljević

9⁰⁰ - 9³⁰ Marco DALLA ROSA, University of Bologna, Cesena, Italy: SCENARIOS FOR A SUSTAINABLE FOOD FUTURE

9³⁰ - 10⁰⁰ Cristina Luisa Silva et al, Catholic University, Porto, Portugal: THERMOSONICATION APPLIED TO KIWI JUICE PROCESSING: ANTI-LISTERIAL EFFECT AND QUALITY RETENTION

10⁰⁰ - 10³⁰ Neven Voća et al, Faculty of Agriculture, Zagreb, Croatia: REVITALIZATION OF ABANDONED AGRICULTURES LANDS WITH ENERGY CROPS MISCANTHUS X GIGANTEUS IN CROATIA

10³⁰ - 11⁰⁰ Ayşe Tülin Oz, Busra ERYOL, Osmaniye Korkut Ata University, Turkey: PROTECTION OF FRESH PERSIMMON FRUIT BY COATING

11⁰⁰ - 11¹⁵ Pause

Chairpersons: dr Cristina Luisa Silva, dr Zuzana Hlavačova, dr Jovanka Lević

11¹⁵ - 11⁴⁰ Zdenka Pelačić et al, Faculty of Food Technology and Biotechnology, Zagreb, Croatia: INFLUENCE OF DIFFERENT EXTRACTION PROCEDURES ON POTATO (SOLANUM TUBEROSUM L.) SUGAR CONTENT

11⁴⁰ - 12⁰⁵ Danijela Šuput et al, Faculty of Technology Novi Sad, Serbia: THE IMPACT OF ESSENTIAL OILS ADDITION ON BIOPOLYMER FILMS PROPERTIES

12⁰⁵ - 12³⁰ Tvrtko Jelačić et al, Croatian Agency for Agriculture and Food, Zagreb, Croatia: APPLICATION OF MODERN PRE-TREATMENTS IN PLUM DRYING

12³⁰ - 12⁵⁵ Peter Hlavač et al, Slovak University of Agriculture in Nitra, Slovakia: RHEOLOGIC PROPERTIES OF SELECTED TOMATO KETCHUPS

13⁰⁰ – 13³⁰ Poster section - looking of poster and talking with authors

13³⁰ – 15⁰⁰ Lunch

15⁰⁰ – 19⁰⁰ - Blok B - Oral presentations in English – hall B

Chairpersons: dr Ljiljana Mojović, dr Franceska Patrignani, dr Neven Voća

15⁰⁰ - 15¹⁵ Danka Bukvički et al, University of Bologna, Cesena, Italy: PROBIOTIC POTENTIAL OF VAGINAL LACTOBACILLI TO BE USED IN DAIRY PRODUCTS TO INCREASE WOMAN WELLBEING

15¹⁵ - 15³⁰ Jessica Genovese et al, University of Bologna, Cesena, Italy: COMPARISON OF CONVENTIONAL AND INNOVATIVE PRE-

TREATMENT FOR ACRYLAMIDE REDUCTION IN POTATO CRISPS

15³⁰ - 15⁴⁵ Tihomir Moslavac et al, Faculty of Food Technology, Osijek, Croatia: PRODUCTION AND STABILIZATION OF COLD PRESSED WALNUT OIL

15⁴⁵ - 16⁰⁰ Stefana Jocić et al, Faculty of Technical Sciences, Novi Sad, Serbia: INDUCTION MOTOR BROKEN ROTOR BAR DETECTION USING HILBERT TRANSFORM AND NEURAL NETWORK

16⁰⁰ - 16¹⁵ İlbitge OĞUZ et al, Faculty of Agriculture, Turkey: COMPARISON OF VARIOUS FATTY ACIDS PROFILES OF FRUITS IN LYCIUM SPECIES FROM TURKEY

16¹⁵ - 16³⁰ Pause

Chairpersons: dr Rosalba Lanciotti, dr Petar Hlavač, dr Dubravka Škrobot

16³⁰ - 16⁴⁵ Gözde Nogay et al, Faculty of Agriculture, Adana, Turkey: DETECTION OF CHLOROPHYLL CONTENT OF PISTACHIO KERNEL USING VARIOUS EXTRACTION TECHNIQUES

16⁴⁵ - 17⁰⁰ Giacomo Braschi et al, University of Bologna, Cesena, Italy: USE OF ULTRA HIGH PRESSURE HOMOGENIZATION FOR RICE BASED BEVERAGE STABILIZATION

17⁰⁰ - 17³⁰ Samantha Rossi et al, University of Bologna, Cesena, Italy: ULTRA HIGH PRESSURE HOMOGENIZATION POTENTIAL WITHIN THE MADE IN-ITALY PROJECT “ATENA”

17³⁰ - 17⁴⁵ Kurban Yaşar i Adnan Bozdoğan, Osmaniye Korkut Ata University, Turkey: THE EFFECT OF INULIN AND TAHINI ON THE SENSORY CHARACTERISTIC OF PEANUT BUTTER

17⁴⁵ - 18⁰⁰ Ján NOVÁK, Slovak University of Agriculture, Nitra, Slovakia: RELATIVE PERMITTIVITY MEASUREMENT OF BUCKWHEAT

17⁰⁰ – 19⁰⁰ Seminar for technologists and managers silos and seed processing - congress hall

Velimir Lončarević: Storage of seeds,

Ivan Pavkov: Grain cooling,

Mirko Babić: Energy aspects of drying,

Presentation of "Victoria Logistic", Novi Sad

20.00 After dinner, a fun quiz of knowledge with entertainment and international music

Wednesday, 10.04.2019 – Cultural, historical and recreational trips

9⁰⁰-17⁰⁰ EXCURSION - Boat ride on the Danube above the dam, visit the Trajan plate, Small and Big Kazan, the sculpture of Decibal ... Visit of the hydroelectric power plant Đerdap and a rich excursion lunch in the restaurant next to the zoo, with a tamburitza orchestra. Recreational sports competitions. Return by bus to the hotel.

20⁰⁰ – International karaoke competition and fun

Thursday, 11.04.2019.

CONGRESS HALL:

9⁰⁰-13⁰⁰ INTERNATIONAL SCIENTIFIC PROGRAM (english)

9⁰⁰ – 10⁴⁵ **Scientific Workshop "Application of nanofluids in heat exchangers"**:

Moderator: dr Siniša Bikić i dr Milivoj Radojčin (By invitation)

Siniša Bikić et al, Faculty of Technical Sciences, Novi Sad, Serbia: NUMERICAL SIMULATIONS OF THE FLOW OF WATER-ETHYLENE GLYCOL MIXTURE WITH SILVER NANOPARTICLES THROUGH THE PIPE and **Milivoj Radojčin et al,** Faculty of Agriculture, Novi Sad, Serbia: EFFECT OF GRAPHENE OXIDE NANOFUID ON THERMAL PERFORMANCES OF THERMOSYPHON

10⁴⁵-13⁰⁰ - Blok B - Oral presentation of papers in English

Chairpersons: dr Verica Dragović Uzelac, dr Michal Binczarski,

10⁴⁵ - 11⁰⁰ **Siniša Bukić et al.** Faculty of Technical Sciences, Novi Sad, Serbia: THE INFLUENCE OF THE STRETCHING ON THE AIR-TIGHTNESS OF SEMI-RIGID ALUMINIUM DUCTS

11⁰⁰ - 11¹⁵ **Suzana Đedović et al,** Ins. of Pesticides and Env. Protection, Serbia: RISK ASSESSMENT ON PIG FARMS AND INTERACTION OF CCP AND FREQUENCY *RATTUS NORVEGICUS*

11¹⁵ - 11³⁰ **Ayşe Tulin OZ et al,** Osmaniye Korkut Ata University, Turkey: THE EFFECTS OF COATING AND CALCIUM APPLICATION OF THE RADISH QUALITY AND SHELF LIFE

11³⁰ - 11⁴⁵ **Ilibilge Oğuz et al**, Faculty of Agriculture, Adana, Turkey: DETECTION OF TOTAL PHENOL, TOTAL ANTHOCYANIN, TOTAL ANTIOXIDANT CAPACITY OF BLACK WOLFBERRY (*Lyciumruthenicum*) FRUITS

11⁴⁵ - 12⁰⁰ Pause

Chairpersons: *dr Tatjana Kuljanin, dr Dušica Čolović*

12⁰⁰ - 12¹⁵ **Sule Hilal Attar et al**, Faculty of Agriculture, Adana, Turkey: COMPARISON OF TOTAL PHENOL AND TOTAL ANTIOXIDANT CAPACITY OF FRUIT PULP OF SOME APRICOT CULTIVARS

12¹⁵ - 12³⁰ **Pawel Mierczynski et al**, University of Technology, Lodz, Poland: THE INFLUENCE OF IRON CATALYSTS COMPOSITION ON THEIR ACTIVITY AND SELECTIVITY IN FISHER-TROPSCH SYNTHESIS

12³⁰ - 12⁴⁵ **Pawel Mierczynski et al**, University of Technology, Lodz, Poland: THE INFLUENCE OF NOBLE METALS ON THE ACTIVITY AND SELECTIVITY OF IRON CATALYSTS IN FISHER-TROPSCH SYNTHESIS

12⁴⁵ - 13⁰⁰ **Dubravka Škrobot et al**, Institute of Food Technology Novi Sad, Serbia: BUCKWHEAT, QUINOA AND AMARANTH: GOOD ALTERNATIVES TO NUTRITIOUS FOOD

HALL B:

9⁰⁰-13⁰⁰ **NATIONAL SCIENTIFIC AND PROFESSIONAL PROGRAM** (serbian):

9⁰⁰ - 10⁴⁵ **National professional workshop Specifics, drying and processing of grains and seeds 2019**.

Moderator: *Slavko Ivanišević, dr Velimir Lončarević i Danka Dujović*

Slavko Ivanišević et al, "Delta agrar" – "Jedinstvo", Apatin: KAMPANJA PRIJEMA I SUŠENJA ZRNA U "JEDINSTVU", APATIN, 2018,

Goran Todorović et al, Institut za kukuruz "Zemun Polje", Zemun: PROIZVODNJA I DORADA SEMENSKOG KUKURUZA U 2018. GODINI,

Svetlana Biga, "Agros", Opovo: PRIJEM I SUŠENJE MERKANTILNOG KUKURUZA 2018. U „AGROS“, OPOVO,

Miladin Kostić et al, Institut za ratarstvo i povrtarstvo, Novi Sad:

PROIZVODNJA I DORADA SEMENA SOJE U 2018. GODINI i

Jovana Kos, Radmilo Čolović et al, Institut za prehrambene tehnologije, Novi Sad: MIKOTOKSINI U KUKURUZU SAKUPLJENOM NA TERITORIJI AUTONOMNE POKRAJINE VOJVODINE U 2018 GODINI.

10⁴⁵-13⁰⁰ - **Block C - Oral presentation of papers in Serbian**

Chairpersons: *dr Lana Đukanović, dr Olivera Đuragić, dr Goran Todorović*

10⁴⁵ - 11⁰⁰ **Olivera Đuragić et al**, Institute of Food Technology, Novi Sad: THE FUTURE OF ALTERNATIVE PROTEIN USE IN ANIMAL NUTRITION

11⁰⁰ - 11¹⁵ **Dragoslav Đokić**, Institute for Forage Crops, Krusevac: ANALYSIS OF THE PROCESS OF CLEANING ALFALFA SEEDS ON THE EQUIPMENT FOR SEED PROCESSING

11¹⁵ - 11³⁰ **Filip Kulić et al**, Faculty of Technical Sciences, Novi Sad: INTELLIGENT TRANSFORMER STATION AS A SOLUTION FOR ECONOMIC ELECTRIFICATION IN RURAL REGIONS

11³⁰ - 11⁴⁵ **Milka Vujaković et al**, Agricultural Extension Service, Novi Sad: OILRAPE SEED AGING

12⁰⁰ - 12¹⁵ **Nebojša Novković et al**, Faculty of Agriculture, Novi Sad: ANALYSIS AND PREDICTION OF WHEAT AND MAIZE PRICES

12¹⁵ - 12³⁰ **Željko Kanović et al**, Faculty of Technical Sciences, Novi Sad: ARTIFICIAL NEURAL NETWORKS AND GENETIC ALGORITHM IN SHORT TERM ELECTRIC LOAD FORECASTING

13.00 **Formal presentation of Certificates of attendance at the Seminar and a Group photo of all participants**

15.00 - 19.00 – Sports and recreational activities and free afternoon to explore the city.

U 20.00 h will start a traditional dinner which closes the conference, with the entertainment program and bingo. At the **GALA EVENING** will be awarded the best presentation, best poster, best presentation under 35 years. It will be declared the winners of the sports competition

Friday, 12.04.2017. Return

GENERAL SPONSOR / GENERALNI SPONZOR



OFFICINE MINUTE, Villorba, Italy

GOLD SPONSORS / ZLATNI SPONZORI

BÜHLER GROUP, Novi Sad, Serbia



VICTORIALOGISTIC

VICTORIA LOGISTIC, Novi Sad, Serbia

BRONZE SPONSORS / BRONZANI SPONZORI

Libela elsi NS, Novi Sad

PETKUS Balkan, Zrenjanin

PRECIOUS SPONSORS / DRAGOCENI SPONZORI

Institut za kukuruz "Zemun Polje", Beograd

Agroseme Kikinda - Agromarket Group, Kragujevac

Institut PKB Agreonomik, Beograd

Tehnika komerc, Novi Sad

Agrimax, Vrbas

Mirić servis, Lačarak

Chemical Agrosava - AS hibridi, Novi Beograd- Šimanovci

Banat seme, Zrenjanin

Centrogas, Novi Sad

Metron, Novi Sad

Hrastovača, Požarevac

Omega, Čačak

Perry engineering, Velika Britanija

Masseeds, Novi Sad

Žitozaštita, Breograd

NATIONAL SOCIETY OF PROCESSING AND ENERGY IN AGRICULTURE

UNIVERSITY OF NOVI SAD, NOVI SAD, FACULTY OF AGRICULTURE, DEPARTMENT OF AGRICULTURAL ENGINEERING



SIXTH INTERNATIONAL CONFERENCE
SUSTAINABLE POSTHARVEST AND FOOD
TECHNOLOGIES

INOPTEP 2019

XXXI NATIONAL CONFERENCE
PROCESSING AND ENERGY IN
AGRICULTURE

APRIL 7-12, 2019.

- PROGRAM -

PTEP 2019

CONFERENCE OF EXPERTS
FOR DRYING, STORAGE AND PROCESSING OF
AGRICULTURAL PRODUCTS, FOOD TECHNOLOGY
AND ENERGY IN AGRICULTURE

07.04 - 12.04.2019.

KLADOVO, HOTEL "ĐERDAP"

