

SCIENTIFIC PROGRAM

ORAL SESSIONS

Thursday, November 23, 2023
UFT-Plovdiv, Building 2, Horizon Hall

- 9h00 **Registration**
- 10h00 **Opening Ceremony**
Plenary Session
Chairs: Galin Ivanov, Georgi Kostov
- 10h30 PL1 VALUE-ADDED FOOD AND IMPROVED FERMENTATION
PROCESSES BASED ON ENCAPSULATED ACTIVE
COMPOUNDS AND CELLS
Prof. Viktor Nedovic
University of Belgrade, Serbia
Department of Food Technology and Biochemistry
- 11h00 PL2 FRUIT PROCESSING UNDER LOW-OXYGEN CONDITIONS
USING AN INNOVATIVE SPIRAL FILTER PRESS: IMPACT ON
FUNCTIONAL CONSTITUENTS AND SENSORY QUALITY
Dr. Christof Steingass
Geisenheim University, Germany
Department of Beverage Research
- 11h30 **Lunch Break & Poster Session**
Session 1:
Food Technology and Quality
Food Chemistry, Microbiology and Biotechnology
Chairs: Mariya Kaneva, Mihaela Ivanova
- 12h30 OP1 TECHNOLOGICAL AND SENSORY CHARACTERISTICS OF
HONEY BASED CANDY
Anastasia Yankova-Nikolova, Raina Hadjikinova, Gabriela
Opalchenova, Desislava Vlahova-Vangelova
- 12h40 OP2 PREPARATION, PHENOLIC CONTENT, ANTIOXIDANT AND
ANTIMICROBIAL ACTIVITY OF PINOT NOIR GRAPE SEED
EXTRACT
Yavor Ivanov
- 12h50 OP3 EXAMINING COAGULATION CONDITIONS FOR THE
UTILIZATION OF TECHNICAL ALBUMEN – A PRELIMINARY
STUDY
Plamen Saraliev, Desislav Balev, Desislava Vlahova-
Vangelova, Nikolay Kolev, and Stefan Dragoev

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- 13h00 OP4 CERIA-DOPING INTRODUCTION EFFECT ON CATALYTIC PERFORMANCE OF NIMG/SIO₂ CATALYSTS FOR PARTIAL VEGETABLE OIL HYDROGENATION
Evangeliiq Petrova, Margarita Gabrovska, Dimitrinka Nikolova, Jugoslav Krstić, Vojkan Radonjić, Gabriella Zarkova, Peter Tzetkov, Krassimir Tenchev
- 13h10 OP5 DIFFERENTIAL SCANNING CALORIMETRY AND ELECTRIC IMPEDANCE SPECTROSCOPY ANALYSIS OF SUNFLOWER OILS
Ginka Exner, Olga Teneva, Zhana Petkova, Maria Marudova, Maria Angelova-Romova, Aleksandar Grigorov, Sofia Milenkova, Ginka Antova
- 13h20 OP6 POSSIBILITIES OF ADDING PEA PROTEIN AS IMPROVING THE PROTEIN COMPOSITION OF THE DOUGH FOR GLUTEN-FREE BREAD
Iliana Lazova-Borisova, Georgi Angelov, Ivan Kostov
- 13h30 **Coffee Break & Poster Session**
Session 2:
Sustainable Food Production and Consumption
Business Economics and Management
Chairs: Ivan Obreshkov, Hafize Fidan
- 13h50 OP7 CRISES – DANGER AND OPPORTUNITY FOR INDUSTRIAL COMPANIES
Snezhinka Konstantinova, Asen Konarev
- 14h00 OP8 MODELS OF ENTREPRENEURIAL ECOSYSTEMS
Snezhinka Konstantinova, Yordanka Gancheva
- 14h10 OP9 BIO-FOODS THROUGH THE PRISM OF GENERATIONS
Darina Mantarova, Iva Bichurova, Petya Yordanova-Dinova
- 14h20 OP10 THE FEATURES AND TRENDS OF FOOD SUPPLY CHAINS
Tsvetan Yanakiev, Neli Lalkovska
- 14h30 OP11 KNOWLEDGE SHARING BARRIERS IN BULGARIAN COMPANIES
Lyubcho Varamezov
- 14h40 OP12 THE METAVERSE AND SUSTAINABILITY AS DRIVERS REVOLUTIONISING CUSTOMER EXPERIENCE IN THE FOOD INDUSTRY
Ivelina Kulova, Valentina Nikolova-Alexieva, and Radi Paskalev

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- 14h50 OP13 OPPORTUNITIES FOR INNOVATION ACTIVITY OF ENTERPRISES FROM THE DAIRY SECTOR IN THE FOOD INDUSTRY
Iva Bichurova
- 15h00 OP14 ADEQUATE ASSESSMENT OF COMPETITIVE ADVANTAGES THROUGH "PORTER'S DIAMOND". APPLICATION TO BULGARIAN NON-FERROUS METALLURGY
Dimitar Nedeleev
- 15h10 OP15 ANALYSIS OF TOTAL QUALITY MANAGEMENT (TQM) IMPLEMENTATION IN THE BIOTECHNOLOGY INDUSTRY
Georgi Kondev
- Session 3:**
Food Process Engineering and Control
Computer Systems and Technologies
Chairs: Apostol Simitchiev, Mariya Zhekova
- 16h00 OP16 EFFECT OF PROPELLER USE ON RESIDENCE TIME DISTRIBUTION (RTD) IN SINGLE-SCREW CAM-FLOW RICE SEMOLINA EXTRUSION
Yanush Chalamov, Apostol Simitchiev, Ventzislav Nenov, Angel Danev, Hristina Andreeva
- 16h10 OP17 WEB-BASED APPLICATION FOR CHOOSING ACADEMIC DISCIPLINES
Mariya Zhekova and Ivan Petleshkov
- 16h20 OP18 WEB SCRAPING TOOLS AND IMPLEMENTATION USING JAVASCRIPT
Mariya Zhekova and Emir Yumer
- 16h30 OP19 DEVELOPMENT OF A MONITORING DEVICE FOR METAL FRAGMENTS IN FOOD PRODUCTS – HARDWARE
Hristo Kilifarev
- 16h40 OP20 DEVELOPMENT OF A MONITORING DEVICE FOR METAL FRAGMENTS IN FOOD PRODUCTS – SOFTWARE
Hristo Kilifarev
- 19h00 **Conference Dinner**

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LIST OF POSTERS

- PP1 SORPTION AND MASS EXCHANGE CHARACTERISTICS OF EXTRUDATES ENRICHED WITH COCOA BEAN SHELLS
Siyka Kodinova, Nesho Toshkov, Bojidar Bozadjiev and Naiden Delchev
- PP2 TUNING THE ACTIVITY AND SELECTIVITY OF NI/SIO₂ CATALYSTS FOR PARTIAL HYDROGENATION OF VEGETABLE OILS BY MG ADDITION
Gabriella Zarkova, Dimitrinka Nikolova, Margarita Gabrovska, Jugoslav Krstić, Vojkan Radonjić, Evangeliq Petrova, Peter Tzetkov, Krassimir Tenchev
- PP3 EFFECT OF SUCROSE REPLACEMENT ON PHYSICOCHEMICAL PARAMETERS AND SENSORY CHARACTERISTICS OF INSTANT COFFEE DRINKS
Raina Hadjikinova and Ivanka Petrova
- PP4 RESEARCH ON THE DEVELOPMENT OF NEW FOOD PRODUCT LIKE WHISKY FROM VIETNAMESE STICKY RICE
Tuan Anh Ho, Quang Tu Pham, Thi Thanh Quyen Dang
- PP5 A COMPARATIVE ANALYSIS OF COOKED SMOKED COCKEREL PRODUCTS DERIVED FROM MALE LAYER-TYPE CHICKENS (LOHMANN BROWN CLASSIC HYBRID) AND DUAL-PURPOSE COCKS (BASED ON BRESSE GAULOISE)
Stefan Dragoev, Desislav Balev, Desislava Vlahova-Vangelova, Nikolay Kolev, Teodora Popova, Maya Ignatova, and Evgeni Petkov
- PP6 Influence of the type of batch distillation, single or double, on the characteristics of the obtained distillates
Panko Mitev, Miroslav Ginev, Nikolay Stoyanov, Silviya Tagareva
- PP7 SELECTION OF RAW MATERIALS FOR PROTEIN BREAD, SUITABLE FOR IMPAIRED GLUCOSE METABOLISM
Nadya Ruseva, Tzvetana Gogova, Stefka Vladeva, Bozhidar Hristov
- PP8 EFFECT OF CHERRY PRODUCTS ADDITION ON BEER FERMENTATION
Vesela Shopska, Petar Nedyalkov, Vasil Shikov, and Maria Kaneva
- PP9 EFFECT OF PEPPERMINT ESSENTIAL OIL ON STIRRED YOGURT PARAMETERS
Alexander Balabanov, Stanko Stankov, Tatyana Balabanova, Ivan Iliev, Vanya Gandova, Albena Stoyanova

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- PP10 PHYSICOCHEMICAL PARAMETERS AND ANTIOXIDANT ACTIVITY OF SUMMER SAVORY ESSENTIAL OIL (SATUREJA HORTENSIS L.)
Vanya Gandova, Anton Lazarov, Nadezhda Petkova, Albena Stoyanova
- PP11 POROSITY AND HARDNESS OF CORN EXTRUDATES USING DRY TOMATO POMACE
Nikolay Dimitrov, Anna Koleva, Apostol Simitchiev, Todorka Petrova, Miroslava Kakalova and Milena Nikolova
- PP12 PRODUCTION OF LACTIC ACID WORT-BASED BEVERAGE WITH RASPBERRY SEED OIL ADDITION IN STATIC AND DYNAMIC CONDITIONS
Georgi Kostov, Vesela Shopska, Rositsa Denkova-Kostova, Bogdan Goranov
- PP13 FATTY ACID COMPOSITION OF KASHKAVAL CHEESE WITH REDUCED SODIUM CHLORIDE CONTENT
Alexander Balabanov, Galin Ivanov, Tatyana Balabanova, Galina Uzunova, Mihaela Ivanova
- PP14 INVESTIGATION OF THE EFFECT OF LYOPHILIZED PLANT AQUEOUS EXTRACTS ON RABBIT MEAT
Daniela Miteva, Krasimir Dimov, Silviya Ivanova, Svetla Dyankova, Petya Metodieva, Nikolay Dimitrov, and Eli Kostadinova
- PP15 TECHNOLOGY FOR OBTAINING FERMENTED PRODUCTS BASED ON WALNUT MILK
Kamelia Loginovska, Alexandar Valchkov, Maria Doneva, Petya Metodieva, Svetla Dyankova, Daniela Miteva, and Iliana Nacheva
- PP16 EFFECTS OF MUNG BEAN FLOUR ON SPONGE CAKE QUALITY
Petya Raeva, Marianna Baeva
- PP17 INVESTIGATION OF THE TECHNOLOGICAL PROFILE OF ILLEGALLY DISTRIBUTED TOBACCO DERIVATIVES AND SMOKING PRODUCTS
Nikolay Nikolov, Violeta Nikolova, Venelina Popova, Yovko Dyulgerski, and Radka Bozhinova
- PP18 VALUATION OF THE QUALITY LEVEL OF BULGARIAN TOBACCO FROM THE MARKET SECTOR OF "BASMI" VARIETY GROUP
Violeta Nikolova, Nikolay Nikolov, Venelina Popova Radka Bozhinova, and Yovko Dyulgerski

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- PP19 POWDERED FUNCTIONAL MIXES - COMMERCIALLY-AVAILABLE COMBINATIONS, NUTRITIONAL VALUE, POTENTIAL BENEFICIAL PROPERTIES, AND PHYSICO-CHEMICAL PARAMETERS
Pavlina Doykina, Dasha Mihaylova, Aneta Popova and Maria Dimitrova-Dimova
- PP20 PHYSICO-CHEMICAL STUDIES AND ELECTROPHORETIC PROFILE OF FREEZE-DRIED QUAIL EGGS
Svetla Dyankova, Maria Doneva, Ayten Solak, Daniela Miteva, Iliana Nacheva, Kamelia Loginovska, and Nikolay Solakov
- PP21 RHEOLOGICAL PROPERTIES OF STARCH-MILK-BASED DESSERT CREAMS WITH SUNFLOWER, ALMOND AND HAZELNUT TAHINI
Mina Dzhivoderova-Zarcheva, Stanislava Ivanova, Kremena Nikovska
- PP22 INFLUENCE OF THE USED STARCH ON THE STRUCTURE, STABILITY AND RHEOLOGICAL PROPERTIES OF A STARCH-MILK DESSERT CREAM
Mina Dzhivoderova-Zarcheva, and Stanislava Ivanova
- PP23 GENERAL CHARACTERISTICS OF LAVENDER (*LAVANDULA ANGUSTIFOLIA* MILL.) PROCESSED BY-PRODUCTS (AFTER STEAM DISTILLATION) AND UNPROCESSED-DRIED RAW MATERIAL
Gergana Marovska, Ivanka Hambarliyska, Nadezhda Petkova, Ivan Ivanov, Vasil Georgiev, Mariyana Topuzova, Anton Slavov
- PP24 BIODEGRADATION OF PYRENE DURING SUBMERGED CULTIVATION OF *TRAMETES VERSICOLOR*
Mariya Brazkova, Galena Angelova, Petya Stefanova and Albert Krastanov
- PP25 ANTIOXIDANT ACTIVITY AND LIPID PEROXIDATION OF YOGURT CONTAINING LYOPHILIZED EXTRACT OF *SAMBUCUS NIGRA* L. (*S. NIGRA*)
Kamelia Petkova- Parlapanska, Veselin Ivanov, Ekaterina Georgieva, Galina Nikolova, Yanka Karamalakova, Mariya Lazarova
- PP26 A DUPLEX PCR METHOD FOR AUTHENTICATION OF BEEF AND PORK CONTENT IN RAW AND PROCESSED MEAT PRODUCTS
Petya Stefanova, Angel Angelov, and Velitchka Gotcheva
- PP27 RESEARCH OF THE INFLUENCE OF *LACTICASEIBACILLUS PARACASEI* M12 ON THE DEVELOPMENT OF A TRADITIONAL STARTER CULTURE FOR BULGARIAN YOGHURT
Sergey Sergeev, Bogdan Goranov

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- PP28 DESIGN OF PREBIOTIC CHEESE SPREADS ENRICHED WITH BIOLOGICALLY ACTIVE COMPOUNDS
Yulian Tumbarski, Velichka Yanakieva¹, Ivan Ivanov, Mihaela Ivanova, Petya Ivanova and Albena Parzhanova
- PP29 CHARACTERISATION AND CONTROL OF POLYPHENOL OXIDASE FROM RED CHICORY (CICHORIUM INTYBUS VAR. CHIOGGIA)
Peyman Ebrahimi, Dasha Mihaylova, and Anna Lante
- PP30 DEVELOPMENT OF SYMBIOTIC STARTERS OF LACTOBACILLI, PROPIONIC ACID BACTERIA AND YEAST FOR SOURDOUGH FOR BREAD AND BAKERY PRODUCTS AND THEIR PROBATION IN INDUSTRIAL CONDITIONS
Ivan Prasev, Rositsa Denkova-Kostova, Bogdan Goranov, Zapryana Denkova, Yordanka Gaytanska, Anna Koleva, Georgi Kostov
- PP31 INFLUENCE OF THE COMPOSITION OF THE CULTURE MEDIUM ON THE GROWTH AND SPORULATION OF THE PROBIOTIC STRAIN BACILLUS AMYLOLIQUEFACIENS M
Yordanka Gaytanska, Zapryana Denkova, Bogdan Goranov, Rositsa Denkova-Kostova, Georgi Kostov
- PP32 PHYSICAL CHARACTERISTICS OF EXTRUDATES FROM WHEAT SEMOLINA ENRICHED WITH COCOA BEAN SHELLS
Nesho Toshkov, Siyka Kodinova and Bojidar Bozadjiev
- PP33 IDENTIFICATION OF ANTIHYPERTENSIVE PEPTIDES FROM LUPINE USING A MACHINE LEARNING APPROACH
Margarita Terziyska, Zhelyazko Terziyski, Ivelina Desseva, Alexandra Garmidolova and Dasha Mihaylova
- PP34 INVESTIGATION OF A DISTILLATION PROCESS IN THE EXTRACTION OF ESSENTIAL OIL FROM FRUITS OF FENEL
Dimitar Atanasov, Ana Semerdzhieva, Pavel Merdjanov, Nenko Nenov, Stanislava Tasheva
- PP35 ANALYTICAL DETERMINATION OF THERMODYNAMIC AND KINETIC PARAMETERS AND THERMO PHYSICAL CHARACTERISTICS OF ESSENTIAL OILS FROM THE LAMIACEAE FAMILY
Ana Semerdzhieva, Pavel Merdjanov, Teodora Atanasova, Stanislava Tasheva, Dimitar Atanasov
- PP36 KINETIC AND QUALITY CHARACTERISTICS IN COMBINED DRYING OF CARROTS
Dimitar Atanasov, Mariya Georgieva, Atanas Tashev, Ivan Kiryakov, and Nadezhda Petkova

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- PP37 MASS-MOISTURE EXCHANGE CHARACTERISTICS OF CARROTS
Ivan Kiryakov, Mariya Georgieva, Atanas Tashev and Dimitar Atanasov
- PP38 SORPTION AND DESORPTION ISOTHERMS OF CELERY ROOTS
Mariya Georgieva, Ivan Kiryakov, Dimitar Atanasov and Atanas Tashev
- PP39 APPLICATION OF BLOCKCHAIN TECHNOLOGIES IN THE SUPPLY CHAIN IN FOOD ENTERPRISES
Margarita Terziyska, Valentina Nikolova-Aleksieva, Katina Valeva
- PP40 PRICE SENSITIVITY OF CONSUMERS TO ORGANIC FOOD AND THE MOST FREQUENTLY PURCHASED CATEGORIES OF ORGANIC FOOD
Mariyana Kovacheva, Veneta Markovska, and Ivelina Kulova
- PP41 THE INTEGRATION OF THE DIGITAL ECONOMY AND THE GREEN TRANSITION – OPPORTUNITIES AND CHALLENGES FOR SMALL AND MEDIUM-SIZED ENTERPRISES
Veryana Boeva
- PP42 IMPLEMENTATION OF QUALITY MANAGEMENT SYSTEM IN SMALL AND MEDIUM-SIZED FOOD ENTERPRISES IN EU COUNTRIES
Nikolche Jankulovski, Katerina Bojkovska, and Monika Angeloska Dichoska
- PP43 PROSPECTS FOR THE DEVELOPMENT OF THE RESTAURANT INDUSTRY IN HOTEL-RESTAURANT COMPLEXES
Petya Raeva, Snezhana Ivanova
- PP44 ARTIFICIAL INTELLIGENCE IN THE FOOD INDUSTRY
Valentina Nikolova-Alexieva, Katina Valeva, Stoyan Pashev
- PP45 APPLICATION OF DIGITAL TECHNOLOGIES IN THE LOGISTICS SECTOR
Katina Valeva, Valentina Nikolova-Alexieva

Friday, November 24, 2023
Networking & Meetings at the UFT-Plovdiv Departments