

## SPONSORS



MINISTERUL EDUCAȚIEI NAȚIONALE

## INTERNATIONAL CONFERENCE FOR STUDENTS

## STUDENT IN BUCOVINA

## PROGRAM



**The 10<sup>th</sup> International Conference  
for Students**

**STUDENT IN BUCOVINA**

**November, 10<sup>th</sup>, 2022**

Organized by:  
*Faculty of Food Engineering,  
Stefan cel Mare University of Suceava, Romania*

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# Conference program

## International conference for students

### STUDENT IN BUCOVINA

### 10<sup>th</sup> November 2022

**9.30 – 9.50: Opening ceremony - Auditorium „Joseph Smith”**

**9.50 – 11.00 Papers presentation - Auditorium „Joseph Smith”**

**Section A: PH.D. STUDENTS' RESEARCHES**

**12.00 -17.30 Papers presentation - Auditorium „Joseph Smith”**

**Section B: MASTER STUDENTS' RESEARCHES**

**Section C: UNDERGRADUATE STUDENTS'  
RESEARCHES**

**17.30 Awarding ceremony - Auditorium „Joseph Smith”**

#### ***ONLINE SECTION***

<https://meet.google.com/ube-txfe-cdb>

**12.00 -16.30**

**Section A - PH.D. STUDENTS' RESEARCHES**

**Section B - MASTER STUDENTS' RESEARCHES**

**Section C - UNDERGRADUATE STUDENTS' RESEARCHES**

**17.00 Awarding ceremony**

## **SECTION A - PH.D. STUDENTS' RESEARCHES**

**9.50 – 10.10**

### ***FUNCTIONAL PROPERTIES OF GRAPE POMACE PECTIN***

Ph.D. Student Eng.: Mariana SPINEI, *Faculty of Food Engineering  
Ștefan cel Mare University of Suceava, Romania*

**10.10 – 10.30**

### ***STUDY ON OBTAINING SOME ASSORTMENTS OF HYPOGLUCIDIC AND HYPOCALORIC ICE CREAM,***

PhD Student:  
Mariana Violeta POPESCU, Student: Liuba DOBROJAN, *Faculty of Food  
Engineering, Ștefan cel Mare University of Suceava, Romania*

**10.30 – 10.50**

### ***DEVELOPMENT OF FUNCTIONAL PASTA ENRICHED WITH HEMP PROTEIN ISOLATE,***

PhD Student: Marina AXENTII,  
*Faculty of Food Engineering, Ștefan cel Mare University of Suceava, Romania*

**11.00 – 12.00 PAUSE**

## **SECTION B - MASTER STUDENTS' RESEARCHES**

**12.00 – 12.10**

***RESEARCH ON METHODS OF STRUCTURING OILS INTO EDIBLE OLEOGELS***, Students: Otilia FORTUNA și Loredana-Mariana HUȚUȚUI, Faculty of Food Engineering, Ștefan cel Mare University, Romania

**12.10 – 12.20**

***STUDY OF THE QUALITY OF BUTTER WITH FLAVORING COMPONENTS***, Students: Bianca ȘUIAN, Sabina UJENIUC, Otilia FORTUNA, Faculty of Food Engineering, University Ștefan cel Mare, Suceava, Romania

**12.20 – 12.30**

***BIOCHEMICAL AND PHYSICAL CHARACTERIZATION OF COMMON BEAN (PHASEOLUS VULGARIS L.) LANDRACES BY NORTH – NORTH-WESTERN EXTREMITY OF ROMANIA***, Students: Dumitrița – Sabina DOBRINCU, Alexandra-Lăcrămioara MATEI, Tudorița CHICAROȘ, Paula - Maria GRECULEAC, Faculty of Food Engineering, Ștefan Cel Mare University- Suceava, Romania

**12.30 – 12.40**

***INFLUENCE OF BUFFALO MILK ON BUTTER QUALITY***, Students: Andrei Florin ILAȘ, Victoria Mihaela URECHE, Faculty of Food Engineering, Ștefan cel Mare University of Suceava, România

**12.40 – 12.50**

***NOVEL APPROACHES TO ENHANCE THE CONTENT OF YOGURT PROTEINS***, Students: Alina-Georgiana NISTOR, Andreea-Roxana ANDRIESCU, Ana-Maria ȚÎRDEA, Faculty of Food Engineering, Ștefan cel Mare University of Suceava, Romania

**12.50 – 13.00**

**IMPROVE OF THE NUTRITION VALUE OF FUNCTIONAL BREAD BY ADDING PLUMS AND WALNUTS**, Students: Victoria FIODOR, Cristina GAVRIL, *Faculty of Food Engineering, University Stefan cel Mare of Suceava, Romania*

**13.00 – 13.10**

**PHYSICAL, PHYSIOLOGICAL AND MINERALS MODIFICATIONS OF BUCKWHEAT GRAINS DURING THE GERMINATION PROCESS**, Student: Olivia ATUDOREI, *Faculty of Food Engineering, Stefan cel Mare University, Suceava, Romania*

**SECTION C - UNDERGRADUATE STUDENTS' RESEARCHES**

**13.10 – 13.20**

**FOOD SAFETY – TRUTH AND CHALLENGES**, Students: Maria-Magdalena GONTARIU, Luminița ACASANDREI, Andreea-Florentina CRUPENSCHI, *Faculty of Food Engineering, Stefan cel Mare University of Suceava, Romania*

**13.20 – 13.30**

**WALNUT OIL ADULTERATION WITH EDIBLE OILS**, Students: Alexandru DUCEAC, Vlad MONOR, *Faculty of Food Engineering, Stefan cel Mare University of din Suceava, Romania*

**13.30 – 13.40**

**STUDY ON THE VALORISATION OF THE MOOR BERRIES (VACCINIUM OXYCOCCUS) IN “CĂLIMANI CAKE” PRODUCT**  
Students: Petronela (CIUBOTARU) FLOREA, Gabriel MITRIC, Lavinia TARNIȚĂ, Daria URSACHI, *Faculty of Food Engineering, Stefan Cel Mare University – Suceava, Romania*

**13.40 – 13.50**

***THE MONOSODIUM GLUTAMATE CONTRIBUTION ON SENSORIAL PROPERTIES OF FOODS***, Students: Vicol-Beniamin LAZĂR and Diana PREPELIȚĂ, *Faculty of Food Engineering, Ștefan cel Mare University of Suceava, Romania*

**13.50 – 14.00**

***DEVELOPMENT OF A NOVEL ALCOHOLIC WHEY BEVERAGE***  
Students: Florentina Nicoleta TEMNEANU, Diana-Raluca CRECIUNESCU, *Faculty of Food Engineering, Ștefan cel Mare University of Suceava, Romania*

**14.00 – 14.10**

***PHYSICO-CHEMICAL ANALYSIS AND HEALTH RISK ASSESSMENT OF WELL WATER FROM BOTOȘANI COUNTY***, Students: Lorena-Sabina RUSU and Ghiorghiță ROMAN, *Faculty of Food Engineering, Ștefan cel Mare University, Suceava, Romania*

**14.10 – 14.20**

***POTENTIAL UTILIZATION OF FOOD WASTE AS A SOURCE OF BIOACTIVE SUBSTANCES***, Students: Naomi-Delia ALEXA, Petru Rareș ASAFTEI, Matilda Elena BEJINARIU, Dumitru Vasile CIOCOIU, *Ștefan Cel Mare University of Suceava, Romania*

**14.20 – 14.30**

***VALORISATION OF FOOD WASTE – NATURAL ANTIOXIDANTS FROM WINE BY-PRODUCTS***, Students: Iudita PĂTRĂUȚANU, Andreea SCHIPOR, *Faculty of Food Engineering, Ștefan cel Mare University of Suceava, Romania*

**14.30 – 15.00 PAUSE**

**15.00 – 15.10**

***NANOTECHNOLOGY AND FOOD QUALITY CONTROL*** Students: Alexandra HUMĂ, Andreea SANDU, Sava SAVU, *Faculty of Food Engineering, Ștefan cel Mare University of Suceava, Romania*

**15.10 – 15.20**

**VALORIZATION OF FRUIT AND VEGETABLE BY-PRODUCTS IN EXTRUSION PROCESSING**, Student: Marina-Dumitrița CIUBOTARIU, Faculty of Food Engineering, Ștefan cel Mare University of Suceava, Romania

**15.20 – 15.30**

**MOLASSES: TYPES, NUTRITION AND BENEFITS**, Students: Brîndușa Valeria BÎRSANU and Niculina BUHAC, Faculty of Food Engineering, Ștefan cel Mare University, Country Romania

**15.30 – 15.40**

**RECOVERY AND VALORIZATION OF TOMATO AND POTATO WASTE**, Students: Klaus Ronald BALLA, Vasile-Georgian CÂRȘMARIU, Alina TOFAN, Faculty of Food Engineering, Ștefan cel Mare University of Suceava, Romania

**15.40 – 15.50**

**ANALYSIS OF THE DIFFERENCE BETWEEN COW'S MILK ALLERGY AND COW'S MILK INTOLERANCE**, Student: Serghei BOGHIU, Faculty of Food Engineering, University Ștefan cel Mare of Suceava, Romania

**15.50 – 16.00**

**CONTRIBUTIONS TO THE STUDY OF CARBOHYDRATES INFLUENCE ON HUMAN THINKING AND MEMORY**, Students: Ana GUȚU, Daniela LAZARESCU, Faculty of Food Engineering, Ștefan cel Mare University of Suceava, Romania

**16.00 – 16.10**

**COMPARATIVE STUDY OF THE PROPERTIES OF PLAIN YOGHURT AND FRUIT YOGHURT**, Students: Claudia BURLACU, Andreea HAPCA, Andreea PRELIPCEAN, Faculty of Engineering, University Ștefan cel Mare of Suceava, Romania

**16.10 – 16.20**



***FRUIT AND VEGETABLE WASTES – A SURVEY OF CONSUMERS BEHAVIORS AND PERCEPTIONS***, Students: Iasmina-Viorela MACARIE, Cosmina-Elena ŞMADICI, *Faculty of Food Engineering, Stefan cel Mare University of Suceava, Romania*

**16.20 – 16.30**

***STUDY OF SOLAR RADIATION IN URBAN PARKS***, Students: Elisa BUCŞA, Luciana-Maria BUZILĂ, Andreea-Paula CIOBANU, Andreea HOREA, Oleksandra SHCHUKA, *Faculty of Food Engineering, Stefan cel Mare University of Suceava, Romania*

**16.30 – 16.40**

***MEASUREMENT OF NOISE LEVELS IN URBAN PARKS***  
Students: Alexandra EFTIMIE, Diana-Mihaela IVAŞCĂ, Robert Iulian MATEI, Valentina-Ionela UNGUREAN, Eugen-Sebastian ŢEHANCIUC-CALANCEA, *Faculty of Food Engineering, Stefan cel Mare University of Suceava, Romania*

**16.40 – 16.50**

***RESEARCH ON PHYSICAL AND FUNCTIONAL PROPERTIES OF WINES***, Students: Laura ŞAVGA, Antonela SUSANU, Bianca ŢIPLIC, Ana-Maria PRICOP, *Faculty of Food Engineering, University Ştefan cel Mare of Suceava, Romania*

**16.50 – 17.00**

***OPPORTUNITIES TO DEVELOP AND MANUFACTURE DIFFERENT TYPES OF FOODS: ICE CREAMS***, Students: Lavinia Vasilica DORNESCU, George DIVISEVICI, *Faculty of Food Engineering, Stefan cel Mare University of Suceava, Romania*

## **17.30 Awarding ceremony**

**ONLINE SECTION**

<https://meet.google.com/ube-txfe-cdb>

**SECTION A - PH.D. STUDENTS' RESEARCHES**

**12.00 – 12.10**

**IRON OXIDE NANOPARTICLES CARRIED BY PROBIOTICS IN IRON ABSORPTION**, Ph.D Student: CIONT Călina, *Faculty of Food Science and Technology, University of Agricultural Sciences and Veterinary Medicine, 400372, Cluj-Napoca, Romania*

**12.10 – 12.20**

**HYBRID HYDROCOLLOID FILMS WITH PECTIN AND SOLID LIPID NANOPARTICLES**, Ph.D Student: Mihaela Ștefana CANALIS (PĂȘCUȚĂ), *Faculty of Food Science and Technology, University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca, Romania*

**12.20 – 12.30**

**OPTIMIZATION OF THE METHOD OF FORMING NANO-EMULSIONS AND THEIR CHARACTERIZATION**, Ph.D Student Mădălina-Lorena MEDELEANU, *Faculty of Food Science and Technology, University of Agricultural, Sciences and Veterinary Medicine Cluj-Napoca, România*

**12.30 – 12.40**

**ECOLOGICAL PRODUCING SILVER NANOPARTICLES**, Ph.D Student: Valeria POTAPENKO, *Faculty of biotechnology and environmental control, National University of Food Technology, Country Ukraine*

**12.40 – 12.50**

***DETERMINATION OF STRUCTURAL AND MECHANICAL PROPERTIES OF WHEAT BREAD BY THE PENETRATION METHOD***, Phd: Kozak Oleksandr, Faculty of machines and devices of food and pharmaceutical industries, University National University of Food Technologies, Ukraine

**12.50 – 13.00**

***QUANTIFICATION OF FUNCTIONAL MODULES OF DISPENSING AND PACKING MACHINES FOR PACKING BULK PRODUCTS INTO CONTAINERS***, PhD Student: Oleksandr GAVVA, National University of Food Technologies, Kyiv, Ukraine

**13.00 – 13.10**

***RESEARCH FEATURES OF LOW-FAT ICE CREAM MIXTURES STRUCTURING WITH  $\beta$ -GLUCAN AND PECTIN-CONTAINING VEGETABLE RAW MATERIALS***, Students: Artur Mykhalevych, Victoria Sapiga, Educational and Scientific Institute of Food Technologies, National University of Food Technologies, Kyiv, Ukraine

**13.10 – 13.20**

***INFLUENCE OF KINEMATIC PARAMETERS OF COMPRESSING ON THE QUALITY OF TABLETS***, Students: Oleksandr Zomenko, Daniil Herasymenko, Oleksandr Marchenko, Faculty of Educational and Scientific Institute of Technical Engineering by name of academician I.S. Hulyi, University National University of Food Technologies, Country Ukraine

**13.20 – 13.30**

***FORMATION OF WHEAT DOUGH STRUCTURE DURING KINDING***  
PhD Student: Ivanna NAZARENKO, Student/s: Viktoriia ISKAKOVA, Yegor FUZIK, National University of Food Technologies, Kyiv, Ukraine

**ONLINE SECTION**

<https://meet.google.com/ube-txfe-cdb>

**SECTION B - MASTER STUDENTS' RESEARCHES**

**13.30 – 13.40**

**3D PRINTED SILVER DOPED PLA-BASED BOXES DESIGNED FOR THE STORAGE OF COW CHEESE**, Ana IANCU, Anca MIHALY COZMUTA, Leonard MIHALY COZMUTA, Camelia NICULA and Anca PETER, *Technical University of Cluj Napoca, North University Center of Baia Mare, Romania*

**13.40 – 13.50**

**PHYSICO-CHEMICAL PROPERTIES OF FUNCTIONAL GELLED CONFECTIONERY PRODUCT**, Georgiana A. SPALLER, Teodora MUREȘAN, Crina C. MUREȘAN, Georgiana S. MARTIȘ, Romina M. MARC (VLAIC), *Faculty of Food Science and Technology, Cluj-Napoca, Romania*

**13.50 – 14.00**

**MICRONUTRIENT COMPOSITION OF ALFALFA EXTRACT**, Student: Alona DYKA, *Faculty: Educational and Scientific Institute of Food Technologies, National University of Food Technologies, Ukraine*

**14.00 – 14.10**

**VALORISATION OF ACACIA FLOWER POWDER IN THE MANUFACTURING OF GLUTEN-FREE GINGEBREAD**, Student: Cristina BERENGEA, *Faculty of of Food Science and Technology, University of Agricultural Sciences and Veterinary Medicine, Romania*

**14.10 – 14.20**

**THE IMPACT OF DIFFERENT PRODUCTION PRACTICES ON VOLATILE AND PHENOLIC PROFILES OF MEA**, Student: Alexandra-Costina AVIRVAREI, *Faculty of Food Science and Technology, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Romania*

**14.20 – 14.30**

***DETERMINING THE SAFETY OF TOBACCO EXTRACT BY EXAMINING ITS TRACE ELEMENT COMPOSITION***, Student: Oleksandra NELIUBINA, Faculty: Educational and Scientific Institute of Food Technologies, National University of Food Technologies, Ukraine

**14.30 – 14.40**

***HYDRODYNAMIC TREATMENT OF HYDROPONIC SOLUTIONS***, Students: Artem MAKAREVYCH<sup>1</sup>, Anna MYRONCHUK<sup>2</sup>, <sup>1</sup>National University of Food Technologies, Ukraine; <sup>2</sup>Institute of Engineering Thermophysics of National Academy of Sciences of Ukraine, Ukraine

**14.40 – 14.50**

***PRODUCTION TECHNOLOGY OF CLASSIC DRY HONEY WINE (MEAD)***, Student: Artur – Tibor PUSKAS, Faculty of Economics And Socio-Human Sciences and Engineering, University Sapientia, Romania

**14.50 – 15.00**

***THE USE OF TENEBRIO MOLITOR MEALWORMS IN THE PRODUCTION OF FUNCTIONAL BISCUITS***, Alexandra Maria UIVĂRĂȘAN, Faculty of Science, Technical University of Cluj Napoca, North Center of Baia Mare, Romania

**15.00 – 15.10**

***CHANGE IN GRANULOMETRICAL COMPOSITION OF SUSPENSIONS OF MEDICINAL AND COSMETIC PRODUCTS DURING PROCESSING IN A BEAD MILL***, Master Students: Kostiantyn OMELIANENKO, Pavlo YAREMCHUK, National University of Food Technology, Ukraine

**ONLINE SECTION**

<https://meet.google.com/ube-txfe-cdb>

**SECTION C - UNDERGRADUATE STUDENTS'  
RESEARCHES**

**15.10 – 15.20**

**RESEARCHES REGARDING METALLIC COMPOUNDS PRESENCE IN DIFFERENT FOODSTUFF**, Student: Georgiana Raluca CRAINIC, Faculty of Environmental Protection, Department of Food Engineering, University of Oradea, Romania

**15.20 – 15.30**

**PURPLE YOGURT- ENRICHED YOGURT WITH ANTHOCYANINS OBTAINED FROM PURPLE CORN COB**, Author: Bianca LAZĂR, Universitatea de Științe Agricole și Medicină Veterinară Cluj-Napoca, Cluj-Napoca, România

**15.30 – 15.40**

**ARONIA PRALINES: A NEW SOURCE OF ANTIOXIDANTS FOR DIABETICS?** Student: Irina CRISTE, Faculty of Food Science and Technology, University of Agricultural Science and Veterinary Medicine, Cluj-Napoca, Romania

**15.40 – 15.50**

**EVALUATION OF THE FUNCTIONAL PROPERTIES OF A NEW FERMENTED BEVERAGE BASED ON NETTLE POWDER (URTICA DIOICA) WITH KEFIR GRAINS**, Students: Oana Maria GRIGOR, Diana GHEORGHE, Faculty of of Food Science and Technology, University of Agricultural Sciences and Veterinary Medicine, Cluj Napoca, Romania

**15.50 – 16.00**

**EVALUATING THE INFLUENCE OF OIL TYPE ON THE PROPERTIES OF OLEOGELS DEVELOPPED FROM K-CARAGENAN AND PEA INNER FIBER CRYOGELS**, Student: Răzvan ODOCHEANU, Faculty of Food science and technology, University of Agricultural Sciences and Veterinary Medicine, Cluj Napoca, Romania

**16.00 – 16.10**

***DESIGNING A NEW VARIETY OF HALVA FROM FAGUS SYLVATICA SEEDS***, Student: Bianca-Magdalena CILIBOAI, *Faculty of Food Science and Technology, University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca, Romania*

**16.10 – 16.20**

***DESIGNING NEW BIGELS FOOD SYSTEMS FOR REPLACING SATURATED AND TRANS FATS IN SOME CONFECTIONERY PRODUCTS***, Student: Anca-Alexandra CORNEA, Scientific Coordinators: PhD student Anda Elena TANISLAV, *Faculty of Food Science and Technology, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Romania*

**16.20 – 16.30**

***METHODS OF WATER PURIFICATION IN FIELD CONDITIONS***  
Students: Maksym ROMANOVSKYI, Bohdan VOLYK, *National University of Food Technologies, Kyiv, Ukraine*

**17.00 Awarding ceremony - ONLINE**  
**SECTIONS** <https://meet.google.com/ube-txfe-cdb>

## Poster session

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**EVALUATION OF  $\beta$ -CAROTENE CONTENT FROM DIFFERENT DRIED CARROT POMACES**, PhD Student: Marian – Ilie LUCA, Faculty of Food Engineering, Ștefan cel Mare University of Suceava, ROMANIA

**VALORIZATION OF THE POTENTIAL OF SORGHUM TO DESIGN NEW FOOD PRODUCTS**, Ph.D Student: Ana BATARIUC, Faculty of Food Engineering, Ștefan cel Mare University of Suceava, Romania

**EFFECTS OF SPENT GRAIN ADDITION ON THE QUALITY OF SPELT PASTA**, PhD Student: Ancuța CHETRARIU, Faculty of Food Engineering, Ștefan cel Mare University of Suceava, Romania

**COMPARATIVE STUDY ON QUALITY PROPERTIES OF GLUTEN-FREE BEER FROM MALTED AND UNMALTED SORGHUM**, PhD Students: Marius Eduard CIOCAN, Ancuța CHETRARIU, Faculty of Food Engineering, Ștefan cel Mare University of Suceava, Romania

**INFLUENCE OF FLOUR PROPERTIES ON QUALITY OF FROZEN BREAD DOUGH**, PhD Student: Ioana ISACHE, Faculty of Food Engineering, "Ștefan cel Mare" University of Suceava, Romania

**NEW APPROACHES TO MONITORING AND CONTROL OF LISTERIA MONOCYTOGENES IN DAIRY INDUSTRY**, PhD Student: Cristina Ștefania AFLOAREI, Faculty of Food Engineering, Ștefan cel Mare University of Suceava, Romania

**ICE CREAM ASSORTMENTS WITH PARTICULAR NUTRITIONAL USE**, PhD Student: Ionela IACOBAN, Faculty of Food Engineering, Ștefan cel Mare University of Suceava, Romania