



**Universitatea Tehnică a Moldovei  
Technical University of Moldova**

**Institutul de Microbiologie și Biotehnologie  
Institute of Microbiology and Biotechnology**

**Simpozion Științific Național cu Participare Internațională  
National Scientific Symposium with International Participation**

**„Biotehnologiile și Dezvoltarea Durabilă”  
“Biotechnologies and Sustainable Development”**



**PROGRAM**

**Chișinău, Republica Moldova, 12 mai 2026  
Chișinău, Republic of Moldova, May 12 2026**

**Tuesday, 12 May 2026**  
**Institute of Microbiology and Biotechnology of the Technical University of Moldova,**  
**Academiei str. 3/3, Conference Hall (4th floor)**  
**On-line participation: <https://calendar.app.google/VCcwHJCpxrjWXyL2A>**

|                      |                                            |
|----------------------|--------------------------------------------|
| <b>9.00 - 9.30</b>   | <b>Registration</b>                        |
| <b>9.30 – 9.45</b>   | <b>Opening</b>                             |
| <b>9.45 – 11.00</b>  | <b>Plenary session</b>                     |
| <b>11.00 – 11.30</b> | <b>Coffee break</b>                        |
| <b>11.30 – 13.00</b> | <b>Oral Presentation session (part I)</b>  |
| <b>13.00 – 14.00</b> | <b>Lunch break</b>                         |
| <b>14.00 – 15.30</b> | <b>Oral Presentation session (part II)</b> |
| <b>15.30 - 16.00</b> | <b>Coffee break</b>                        |
| <b>16.00 - 17.30</b> | <b>Poster Presentation Session</b>         |
| <b>17.30 -18.00</b>  | <b>Closing remarks, suggestions</b>        |

**9.45 Plenary session** Chair: **Prof. Rafik BALTI**, CentraleSupélec, France

**NANOBIOTECHNOLOGY OF PHOTOSYNTHETIC MICROORGANISMS FOR SUSTAINABLE DEVELOPMENT: CONTROLLED OXIDATIVE STRESS AND METABOLIC RESPONSES**, Liliana CEPOI, Ludmila RUDI, Tatiana CHIRIAC, Svetlana CODREANU, Institute of Microbiology and Biotechnology, Technical University of Moldova, Republic of Moldova

**PREDICTING TOMATO YIELD IN CENTRAL EUROPE THROUGH INTEGRATION OF FIELD EXPERIMENTS, DSSAT-CROPGRO-TOMATO SIMULATIONS AND MACHINE LEARNING**, Vera POTOPOVÁ, Tudor TRIFAN, Miroslav TRNKA, Pavel ZAHRAĐNÍČEK, Petr ŠTĚPÁNEK, Josef SOUKUP, Anxhela HAMETI, Czech University of Life Sciences Prague (ČZU); Global Change Research Institute of the Czech Academy of Sciences, Brno, Czech Republic

**SUBSTRATE INDUCED RESPIRATION RESPONSE AND SOIL ASSESSMENTS**, Sergiu CORCIMARU, Institute of Microbiology and Biotechnology, Technical University of Moldova, Republic of Moldova

**11.00 Coffee break**

**11.30 Oral presentation session (part I)** Chair: **Prof. Vera POTOPOVA**, Czech University of Life Sciences Prague, Czech Republic

**REMOTE SENSING-BASED ASSESSMENT OF LAND USE DYNAMICS AND ECOSYSTEM SERVICES IN ALBANIAN COASTAL LAGOONS: IMPLICATIONS FOR SUSTAINABLE TOURISM DEVELOPMENT**, Sonila PAPATHIMIU, Anxhela HAMETI, Vera POTOPOVÁ, University of Tirana, Tirana, Albania; Czech University of Life Sciences, Czechia

**CYANOBACTERIAL EXOPOLYSACCHARIDES: FROM PRODUCTION TO APPLICATIONS IN FOREST SEEDLING SUPPORT**, Iulia IATCO, Ana VALUȚA, Liliana ZOSIM, Alexandru SAINUS, Institute of Microbiology and Biotechnology, Technical University of Moldova Chisinau, Republic of Moldova.

**A COMPARATIVE STUDY OF THE GROWTH AND STRUCTURAL ORGANIZATION OF *GANODERMA LUCIDUM* AND *GANODERMA RESINACEUM* MYCELIA FOR BIOCOMPOSITE DEVELOPMENT,** Yasmine ALFEINE, Brahim MAZIAN, Rafik BALTI, Patrick PERRE, Université Paris-Saclay, CentraleSupélec, France

**IMMUNE DISORDERS IN PULMONARY TUBERCULOSIS AND CONCOMITANT SARS-CoV-2 INFECTION,** Evelina LESNIC, Serghei GHINDA, Nicolae Testemițanu State University of Medicine and Pharmacy, Republic of Moldova; Chiril Draganiuc Institute of Pneumology, Republic of Moldova

**INTENSIFICATION OF VIOLACEIN PRODUCTION FROM AGRO-INDUSTRIAL BY-PRODUCTS USING SOLID-STATE FERMENTATION BY *JANTHINOBACTERIUM LIVIDUM*,** Rihab RIAHI, Camille BENARD-PARDELL, Mourad JRIDI, Rafik BALTI, Université Paris-Saclay, Centrale Supélec, France; Higher Institute of Biotechnology of Beja, University of Jendouba, Tunisia

**INFLUENCE OF AGAR MEDIA ON THE ANTIBACTERIAL ACTIVITY ASSESSMENT OF *LACTOCOCCUS LACTIS* BY DIFFUSION ASSAY,** Nina BOGDAN-GOLUBI, Institute of Microbiology and Biotechnology, Technical University of Moldova, Republic of Moldova

**BIOTECHNOLOGICAL ASPECTS OF THE USE OF PHEROMONE TRAPS FOR MONITORING POPULATIONS OF *HALYOMORPHA HALYS* ON ORNAMENTAL PLANTS,** Maria ZAVATIN, Iuliana RUSU, Tudor NASTAS, Institute of Genetics, Physiology and Plant Protection of Moldova State University, Republic of Moldova

**THE YEAST *WICKERHAMOMYCES ANOMALUS* AS A PROMISING BIOCONTROL AGENT AGAINST *ASPERGILLUS* PLANT PATHOGENS,** Nadejda EFREMOVA, Natalia CHISELIȚA, Oleg CHISELIȚA, Cristina MOLDOVAN, Vladimir GRIBINCEA, Institute of Microbiology and Biotechnology, Technical University of Moldova; National Center for Seed Research and Production Republic of Moldova

**PHENOTYPIC CHARACTERIZATION OF THE LANDRACES FROM THE NATIONAL TOMATO, EGGPLANT, PEPPER COLLECTIONS OF ARMENIA,** Karine SARIKYAN, Gohar KIRAKOSYAN, Marine GRIGORYAN, Gayane SHABOYAN, Varduhi VARDANYAN, Centre of Vegetable and Industrial Crops, Armenia.

### **13.00 Lunch break**

**14.00 Oral presentation session (part II)** Chair: **Dr. Sergiu CORCIMARU**, Institute of Microbiology and Biotechnology of the Technical University of Moldova

**THE EFFECT OF UV RADIATION ON THE CONIDIA OF SOME NATIVE FUNGAL STRAINS FORMULATED WITH VEGETABLE OILS,** Ecaterina DONI, Anna MOLDOVAN, Institute of Zoology, Moldova State University, Republic of Moldova

**IN VITRO SENSITIVITY OF MICROFUNGAL STRAINS TO GLYPHOSATE,** Diana INDOITU, Inna RASTIMESINA, Vera MAMALIGA, Institute of Microbiology and Biotechnology, Technical University of Moldova, Republic of Moldova

**SURVEY OF 'CANDIDATUS PHYTOPLASMA SOLANI' PRESENCE IN SOME AGRICULTURAL CROPS,** Aighiuni BAHSIEV, Irina ZAMORZAEVA, Institute of Genetics, Physiology and Plant Protection, Moldova State University, Republic of Moldova

**EFFECT OF ALTERNATIVE NUTRIENT MEDIA ON BIOMASS AND ANTIOXIDANT STATUS OF *SACCHAROMYCES CEREVISIAE* STRAINS,** Pavel MAGAZ, Natalia CHISELIȚA, Oleg CHISELIȚA, Nadejda EFREMOVA, Elena TOFAN, Ana ROZLOVAN, Evelina ȚÎBÎRNAC, Institute of Microbiology and Biotechnology, Technical University of Moldova, Doctoral School of Natural Sciences, Moldova State University, Republic of Moldova

**USE OF *CHLORELLA VULGARIS* SUSPENSION AS BIOFERTILIZER IN SUNFLOWER CULTIVATION IN THE CONDITIONS OF THE REPUBLIC OF MOLDOVA.** Sergiu DOBROJAN, Gheorghe JIGĂU, Galina DOBROJAN, Victor MELNIC, Angela MELNIC, Moldova State University, Republic of Moldova

**CATALASE ACTIVITY OF FUNGAL STRAINS FROM THE GENERA *PENICILLIUM*, *ASPERGILLUS*, AND *TRICHODERMA*.** Cristina MOLDOVAN, Tamara SÎRBU, Maxim BÎRSA, Nadejda EFREMOVA  
Institute of Microbiology and Biotechnology, Technical University of Moldova, Republic of Moldova

**OPTIMIZATION OF MASS REARING TECHNOLOGY OF THE ENTOMOPHAGOUS *BRACON HEBETOR* Say. UNDER CONTROLLED LABORATORY CONDITIONS,** Corina GLIBICIUC, Tudor NASTAS, Institute of Genetics, Physiology and Plant Protection, Moldova State University, Republic of Moldova

**BIOREMEDIATION OF SOIL HEAVILY CONTAMINATED WITH ORGANOCHLORINE PESTICIDES: DDTs AND HCHs,** Inna RASTIMESINA, Oleg BOGDEVICI, Olga POSTOLACHI, Diana INDOITU, Elena CULIGHIN, Elena NICOLAU, Marina GRIGORAS, Institute of Microbiology and Biotechnology, Technical University of Moldova, Institute of Chemistry, Moldova State University, Republic of Moldova

**BIOCONTROL OF PHYTOPATHOGENIC FUNGI BY AQUATIC ACTINOBACTERIA,** Maxim BIRSA, Tamara SIRBU, Svetlana BURTEVA, Laurentia ARTIOMOV, Institute of Microbiology and Biotechnology, Technical University of Moldova, Republic of Moldova

### **15.30 Coffee break**

**16.00 Poster Presentation Session** Chair: **Dr.hab. Liliana CEPOI**, Institute of Microbiology and Biotechnology of the Technical University of Moldova

**INFLUENCE OF MANNOPROTEIN-BASED REACTIVATION MEDIA ON THE POST-LYOPHILIZATION VIABILITY OF *RHODOTORULA MUCILAGINOSA* CNMN-YS-10,** Ludmila BALAN, Nina BOGDAN-GOLUBI, Evelina TIBIRNAC, Ana ROZLOVAN, Institute of Microbiology and Biotechnology, Technical University of Moldova, Republic of Moldova

**IMPACT OF A CARBOHYDRATE-RICH DIET ON GUT MICROBIOTA COMPOSITION AND ENTEROCOCCAL DYNAMICS,** Victoria BOGDAN, Institute of Physiology and Sanocreatology of the State University of Moldova, Republic of Moldova

**EFFECT OF *ARTHROSPIRA PLATENSIS* ON ALLEVIATION OF DROUGHT STRESS IN *HELIANTHUS ANNUUS* L.,** Steliana CLAPCO, Maria DUCA, Alexandr ANTONOV, Rodica MARTEA, Sergiu DOBROJAN, Institute of Genetics, Physiology and Plant Protection, Center of Scientific Research in Integrated Natural Sciences, Moldova State University, Chisinau, Republic of Moldova

**EVALUATION OF THE BIOSTIMULATORY AND NEMATICIDAL EFFECTS OF *BACILLUS CEREUS* VAR. *FLUORESCENS* ON *SOLANUM TUBEROSUM*,** Olesia GLIGA, Maria MELNIC, Ștefan RUSU, Dumitru ERHAN, Ludmila BALAN, Valerina SLANINA, Vasile TODIRAȘ, Institute of Zoology, Moldova State University; Institute of Microbiology and Biotechnology, Technical University of Moldova, Republic of Moldova

**PULMONARY TUBERCULOSIS IN THE CONTEXT OF COVID-19. DEMOGRAPHIC CHARACTERISTICS AND RISK FACTORS IN MOLDOVA AND UKRAINE,** Evelina LESNIC, Lilia TODORIKO, Nicolae Testemițanu State University of Medicine and Pharmacy, Republic of Moldova; Bukovinian State Medical University, Ukraine

**THE IMPACT OF COVID-19 PANDEMIC ON THE DYNAMICS OF TUBERCULOSIS EPIDEMIOLOGICAL INDICATORS BEFORE AND DURING THE COVID-19 PANDEMIC IN THE REPUBLIC OF MOLDOVA AND UKRAINE,** Evelina LESNIC, Lilia TODORIKO, N.Testemițanu State University of Medicine and Pharmacy, Rep. of Moldova; Bukovinian State Medical University, Ukraine

**CLINICAL AND LABORATORY CHARACTERISTICS OF PULMONARY TUBERCULOSIS IN THE CONTEXT OF THE COVID-19 PANDEMIC IN THE REPUBLIC OF MOLDOVA AND UKRAINE,** Evelina LESNIC, Lilia TODORIKO, Nicolae Testemițanu State University of Medicine and Pharmacy, Republic of Moldova; Bukovinian State Medical University, Ukraine

**EVALUATION OF THE TOLERANCE OF *SESAMUM INDICUM* L. SAMPLES TO WATER STRESS UNDER CONTROLLED EXPERIMENTAL CONDITIONS**, Anatolii MOGÎLDA, Institute of Genetics, Physiology and Plant Protection, Moldova State University, Republic of Moldova

**VIABILITY OF FUNGAL AND BACTERIAL STRAINS AFTER LYOPHILIZATION IN AN OPTIMAL PROTECTIVE MEDIUM**, Tamara SÎRBU, Cristina MOLDOVAN, Valerina SLANINA, Institute of Microbiology and Biotechnology of Technical University of Moldova, Republic of Moldova

**EFFECT OF PRE-FREEZING REGIMES AND REACTIVATION CONDITIONS ON THE VIABILITY OF LYOPHILIZED *SACCHAROMYCES CEREVISIAE* STRAINS**, Ludmila BALAN, Valerina SLANINA, Svetlana CODREANU, Institute of Microbiology and Biotechnology, Technical University of Moldova, Republic of Moldova

**MICROBIOLOGICAL ASSESSMENT OF BACTERIAL CONTAMINATION IN BOAR SEMEN FROM PIETRAIN AND DUROC BREEDS**, Victoria BOGDAN, Institute of Physiology and Sanocreatology of the State University of Moldova, Republic of Moldova

**EFFECT OF PHYTOSUBTIL ON PHOTOSYNTHETIC PIGMENTS AND PRODUCTIVITY OF WHEAT UNDER FIELD CONDITIONS**, Mykhailo BOHDAN, Larysa SAFRONOVA, Zabolotny Institute of Microbiology and Virology of the NAS of Ukraine, Ukraine

**EFFECT OF B-GLUCAN ADDITION ON MICROBIOLOGICAL QUALITY AND STABILITY OF VEGAN SAUCE**, Alina BOISTEAN, Aurica CHIRSANOVA, Vladislav REȘITCA, Department of Food and Nutrition, Technical University of Moldova, Republic of Moldova

**EMULSION STABILITY OF B-GLUCANS ISOLATED FROM WINE LEES IN OIL-BASED SYSTEMS**, Alina BOISTEAN, Aurica CHIRSANOVA, Rodica SIMINIUC, Department of Food and Nutrition, Technical University of Moldova, Republic of Moldova

**ANTIOXIDANT BIOMARKERS IN ASSESSING MAIZE GERMINATION AND SEEDLING GROWTH FOLLOWING EXPOSURE TO NEGATIVE TEMPERATURE STRESS**, Maria CAUȘ, Pantelimon BOROZAN, Institute of Genetics, Physiology & Plant Protection, Moldova State University, Public Institution "National Center for Seed Research and Production", Republic of Moldova

**EFFECTS OF SILVER NANOPARTICLES ON BIOMASS, PROTEIN, AND CARBOHYDRATE ACCUMULATION IN *HAEMATOCOCCUS LACUSTRIS* DURING THE GREEN GROWTH PHASE**, Liliana CEPOI, Vera MISCU, Ana VALUȚA, Ecaterina PLÂNGĂU, Iulia IAȚCO, Valeriu RUDIC, Institute of Microbiology and Biotechnology, Technical University of Moldova, Republic of Moldova

**MICROALGAE-BASED BIOSTIMULANTS FOR ENHANCING TOMATO RESILIENCE UNDER CZECH CLIMATIC CONDITIONS**, Liliana CEPOI, Vera POTOPOVÁ, Tatiana CHIRIAC, Ludmila RUDI, Svetlana DJUR, Svetlana CODREANU, Ana VALUȚA, Institute of Microbiology and Biotechnology of the Technical University of Moldova, Republic of Moldova; Czech University of Life Sciences Prague, Czech Republic

**PROTEIN-ENRICHED *PORPHYRIDIVM PURPUREUM* BIOMASS VIA NITROGEN AND LIGHT MODULATION FOR BIOTECHNOLOGICAL APPLICATIONS**, Tatiana CHIRIAC, Ludmila RUDI, Liliana CEPOI, Svetlana DJUR, Irina NEGUȚ, Institute of Microbiology and Biotechnology, Technical University of Moldova; National Institute for Laser, Plasma and Radiation Physics, Magurele, Romania

**INTERACTION MODELS OF ZnO MULTIPOD NANOPARTICLES WITH CYANOBACTERIUM *ARTHROSPIRA PLATENSIS* AND RED MICROALGA *PORPHYRIDIVM PURPUREUM***, Tatiana CHIRIAC, Ludmila RUDI, Liliana CEPOI, Svetlana DJUR, Ana VALUȚA, Tudor BRANIȘTE, Institute of Microbiology and Biotechnology, Technical University of Moldova; National Center for Materials Study and Testing, Technical University of Moldova, Republic of Moldova

**AGRI-FOOD WASTES AS AN EFFICIENT SUBSTRATE FOR THE PIGMENTED YEAST CULTIVATION**, Natalia CHISELIȚA, Oleg CHISELIȚA, Nadejda EFREMOVA, Elena TOFAN, Ana ROZLOVAN, Evelina ȚÎBÎRNAC, Institute of Microbiology and Biotechnology, Technical University of Moldova, Republic of Moldova

**INITIATION OF *IN VITRO* CULTURES OF *HEUCHERA* × *HYBRIDA***, Raisa CHIȚAN, Maria TABĂRA, Melania GHERG, National Botanical Garden (Institute), Moldova State University, Republic of Moldova

**A NEW APPROACH FOR SELECTING BIOCONTROL BACTERIAL AGENTS AGAINST FUSARIUM**, Serghei CORCIMARU, Svetlana PRISACARI, Tamara ȘÎRBU, Valerina SLANINA, Vasile TODIRĂȘ, Institute of Microbiology and Biotechnology, Technical University of Moldova, Republic of Moldova

**BIOPROTECTIVE NON-SACCHAROMYCES YEASTS AS AN ALTERNATIVE TO SULFUR DIOXIDE IN WINEMAKING**, Nicolai CUPCEA, Rodica STURZA, Department of Oenology and Chemistry, Technical University of Moldova, Chisinau, Republic of Moldova

**SIMULATING WATER DEFICIT IN CULTIVATED FLAX (*LINUM USITATISSIMUM L.*)**, Doina CUȚITARU, Institute of Genetics, Physiology and Plant Protection, Moldova State University, Chisinau, Republic of Moldova.

**CHARACTERIZATION OF MICROORGANISMS ASSOCIATED WITH POTATO TUBER ROTS**, Angela DEAGHILEVA, Irina MITINA, Cristina GRĂJDIERU, Lolita MELIAN, Institute of Genetics, Physiology and Plant Protection, Moldova State University, Republic of Moldova

**EVALUATION OF YEAST STRAINS FOR BIOSTIMULANT POTENTIAL APPLICATIONS**, Nadejda EFREMOVA, Elena TOFAN, Natalia CHISELIȚA, Oleg CHISELIȚA, Evelina ȚÎBÎRNAC, Ana ROZLOVAN, Institute of Microbiology and Biotechnology, Technical University of Moldova, Republic of Moldova

**FEATURES OF WATER RELATIONS IN FRUIT TREES DEPENDING ON GROWING CONDITIONS AND GENOTYPE**, Ludmila GAVIUC, Nina BEJAN, Institute of Genetics, Physiology and Plant Protection, Moldova State University, Republic of Moldova

**NON-SACCHAROMYCES YEASTS IN FERMENTED BEVERAGES**, Roman GOLUBI, Boris MORARI, Silvia NEMȚEANU, Maria-Marcela BARBAROȘ, Elena ZÎREANOVA, National Institute for Applied Research in Agriculture and Veterinary Medicine, Republic of Moldova

**APPLICATION OF  $MgFe_2O_4$ /PVP NANOCOMPOSITE FOR LDPE FILMS TREATMENT**, Tatiana GUTSUL, Inna RASTIMESINA, Olga POSTOLACHI, Diana INDOITU, Vera MAMALIGA, Alexandr SIBAEV, Igori BELOTERCOVSCHI, Institute of Electronic Engineering and Nanotechnologies; Institute of Microbiology and Biotechnology, Technical University of Moldova, Republic of Moldova

**IMPACT OF A GREEN-SYNTHEZED NANOBIOCOMPLEX ON PHYSIOLOGICAL AND BIOCHEMICAL PARAMETERS OF JUVENILE WHEAT PLANTS**, Hanna HULIAIEVA, Danilo Zabolotny Institute of Microbiology and Virology, NAS of Ukraine, Ukraine

**COMPARATIVE ANALYSES OF CHEMICAL CONSTITUENTS FROM *Juniperus sabina* AND *Juniperus communis* FRUITS**, Raisa IVANOVA, Dina ELISOVETCAIA, Zara HARUTYUNYAN, Mikayel MIKAYELIAN, Margarita HARUTYUNYAN, Armen SOLOMONYAN, Elena LUTCAN, Mariam ZAKHARYAN, Institute of Genetics, Physiology and Plant Protection, Moldova State University, Republic of Moldova; Armenian National Agrarian University, Republic of Armenia

**IDENTIFICATION OF QUALITY PRODUCTIVE COMMON WHEAT VARIETIES IN UNFAVORABLE ENVIRONMENTAL CONDITIONS**, Natalia JELEV, Institute of Genetics, Physiology and Plant Protection, Moldova State University, Republic of Moldova

**IMPACT OF BIOREGULATOR ON CORN RESILIENCE TO NON-OPTIMAL TEMPERATURES**, Elena LUTCAN, Ala BOROVSKAIA, Dina ELISOVETCAIA, Natalia MASCENCO, Institute of Genetics, Physiology and Plant Protection, Moldova State University, Republic of Moldova

**EVALUATION OF CHANGES IN STARCH MOBILIZATION DURING CORN GERMINATION UNDER THE INFLUENCE OF NON-OPTIMAL TEMPERATURES**, Elena LUTCAN, Olga PROCA, Ala BOROVSKAIA, Natalia MASCENCO, Institute of Genetics, Physiology and Plant Protection, Moldova State University, Republic of Moldova

**FORMATION OF GENERATIVE ORGANS OF APPLE TREE UNDER WATER DEFICIENCY CONDITIONS**, Marina MARINESCU, Institute of Genetics, Physiology and Plant Protection, Moldova State University, Republic of Moldova

**THE BIOACTIVE POTENTIAL OF NATIVE AROMATIC HERBS USED IN FOOD**, Nina MIJA, Daniela PALADI, Department of Food and Nutrition, Technical University of Moldova, Republic of Moldova

**STUDY OF ANTIMICROBIAL ACTIVITY OF FUNGAL STRAINS FROM THE GENERA *PENICILLIUM* AND *TRICHODERMA* AGAINST CERTAIN PHYTOPATHOGENS**, Cristina MOLDOVAN, Tamara SÎRBU, Valerina SLANINĂ, Institute of Microbiology and Biotechnology, Technical University of Moldova, Republic of Moldova

**ALTERATION OF THE COUPLING BETWEEN PHOTOSYSTEM II ELECTRON TRANSPORT AND CO<sub>2</sub> ASSIMILATION IN *TRITICUM AESTIVUM* L. UNDER WATER DEFICIT**, Nicolai PLATOVSCHII, Nina ZDIORUK, Institute of Genetics, Physiology and Plant Protection, Moldova State University, Republic of Moldova

**LIPOSOMAL STABILIZATION OF SEA BUCKTHORN CAROTENOIDS FOR FUNCTIONAL FOOD APPLICATIONS**, Violina POPOVICI, Eugenia COVALIOV, Tatiana CAPCANARI, Oxana RADU, Alexandrina COJOCARI, Department of Food and Nutrition, Technical University of Moldova, Republic of Moldova

**LIPOSOMAL STABILIZATION OF GRAPE POMACE POLYPHENOLS FOR FUNCTIONAL FOOD MATRICES**, Violina POPOVICI, Rodica STURZA, Raisa DRUTA, Iurie SUBOTIN, Department of Food and Nutrition and Department of Oenology and Chemistry, Technical University of Moldova, Republic of Moldova

**ECOLOGICAL VULNERABILITY OF THE VILUNI LAGOON SYSTEM IN ALBANIA USING COPERNICUS SENTINEL-2 IMAGERY**, Vera POTOPOVÁ, Anxhela HAMETI, Tudor TRIFAN, Czech University of Life Sciences, Czech Republic

**ZooBioR-INDUCED CHANGES IN EGG PRODUCTION AND MORPHOMETRIC PARAMETERS OF QUAILS**, Liliana ROTARI, Ana MACARI, Vasile MACARI, Gheorghe PISTOL, Oleg RETS, Naim NAJAR, Natalia CHISELIȚA, Department of Food Safety and Public Health and Institute of Microbiology and Biotechnology, Technical University of Moldova, Republic of Moldova

**ZooBioR EFFECTS ON MUSCLE PROTEIN METABOLISM AND BODY WEIGHT DYNAMICS**, Liliana ROTARI, Vasile MACARI, Valeriana PANTEA, Ana MACARI, Gheorghe PISTOL, Oleg RETS, Oleg CHISELIȚA, Department of Food Safety and Public Health, Technical University of Moldova; Nicolae Testemițanu State University of Medicine and Pharmacy; Institute of Microbiology and Biotechnology, Technical University of Moldova, Republic of Moldova

**INCORPORATING PROBIOTICS IN FERMENTED LOW ALCOHOLIC BEVERAGES: BENEFITS, CHALLENGES AND TECHNOLOGICAL PERSPECTIVES**, Silvia RUBȚOV, Rodica STURZA, Eleonora MÎRZAC, Alexandra ARSENI, Department of Oenology and Chemistry, Technical University of Moldova, Republic of Moldova

**INHIBITORY EFFECT OF BIOACTIVE PREPARATIONS FROM MICROALGAE AND CYANOBACTERIA ON LDL OXIDATION**, Ludmila RUDI, Tatiana CHIRIAC, Liliana CEPOI, Liliana ZOSIM, Daniela ELENCIUC, Ion ROTARI, Institute of Microbiology and Biotechnology, Technical University of Moldova, Republic of Moldova

**EFFECTS OF  $\text{TiO}_2$ , Cu, AND CuO NANOPARTICLES ON BIOMASS ACCUMULATION AND BIOCHEMICAL COMPOSITION IN THE MICROALGA *PORPHYRIDIVM PURPUREUM***, Ludmila RUDI, Ion TAȘCĂ, Valentina TAȘCĂ, Lidia DENCICOV-CRISTEA, Viorica CHELMENCIUC, Institute of Microbiology and Biotechnology, Technical University of Moldova, Republic of Moldova

**GENETICALLY PREDICTED EFFECTS OF DHA AND EPA ON COGNITIVE PERFORMANCE: EVIDENCE FROM TWO-SAMPLE MENDELIAN RANDOMIZATION**, Rodica SIMINIUC, Dinu ȚURCANU, Faculty of Food Technology, Technical University of Moldova, Republic of Moldova

**ANTAGONISTIC EFFECTS OF FUNGAL AND ACTINOMYCETE STRAINS ON SELECTED PATHOGENS**, Tamara SÎRBU, Cristina MOLDOVAN, Maxim BÎRSA, Victoria BOGDAN, Oleg CHISELIȚA, Institute of Microbiology and Biotechnology of the Technical University of Moldova; Institute of Physiology and Sanocreatology of the State University of Moldova, Republic of Moldova

**ACTION OF  $\text{Fe}_2\text{O}_3$  AND  $\text{Fe}_2\text{ZnO}_4$  NANOPARTICLES ON STRAINS OF ACTINOBACTERIA AND FILAMENTOUS FUNGI**, Tamara SÎRBU, Cristina MOLDOVAN, Maxim BÎRSA, Viorina GORINCIOI, Institute of Microbiology and Biotechnology of the Technical University of Moldova; Institute of Chemistry of the State University of Moldova, Republic of Moldova

**A STUDY OF *BACILLUS THURINGIENSIS* VAR. *KURSTAKI* IN SUSTAINABLE BIOTECHNOLOGIES FOR APPLE AND WALNUT CROP PROTECTION**, Aurelia STINGACI, Grigorie STINGACI, Oleg Harciuc, Institute of Genetics, Physiology and Plant Protection, Moldova State University, Republic of Moldova

**IN VITRO PROPAGATION OF PLANTS AT THE “ALEXANDRU CIUBOTARU” NAȚIONAL BOTANICAL GARDEN (INSTITUTE)**, Maria TABĂRA, Nina CIORCHINĂ, Aliona GLIJIN, Alina CUTCOVSCHI-MUȘTUC, National Botanical Garden (Institute) “Alexandru Ciubotaru”, Moldova State University, Republic of Moldova

**MICROORGANISMS FOR MUSTARD GROWTH PROMOTION**, Vasile TODIRAS, Serghei CORCIMARU, Ludmila BALAN, Valerina SLANINA, Institute of Microbiology and Biotechnology, Technical University of Moldova, Republic of Moldova

**INITIATION OF MICROPROPAGATION OF THE FERN – *OSMUNDA REGALIS* L.**, Mariana TROFIM, Aliona GLIJIN, Maria TABĂRA, National Botanical Garden (Institute) „Al. Ciubotaru”, Moldova State University, Chișinău, Republic of Moldova

**PHYSIOLOGICAL AND BIOCHEMICAL RESPONSES OF SEEDS OF DIFFERENT *TRITICUM AESTIVUM* L. GENOTYPES TO OSMOTIC STRESS**, ZDIORUK Nina, PLATOVSCHII Nicolai, Institute of Genetics, Physiology and Plant Protection Moldova State University, Republic of Moldova

**INVESTIGATION OF NON-SACCHAROMYCES YEAST BIODIVERSITY AND THEIR PERSISTENCE ACROSS VINTAGES AND WINEMAKING STAGES IN MOLDOVAN VINEYARDS**, Dan ZGARDAN, Irina MITINA, Valentin MITIN, Cristina GRAJDIERU, Silvia RUBTOV, Anatol BALANUTA, Department of Oenology and Chemistry, Technical University of Moldova, Institute of Genetics, Physiology and Plant Protection, Moldova State University, Republic of Moldova