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**MOLDOVA STATE UNIVERSITY**  
**Center of Functional Genetics, Faculty of Biology and Geosciences,**  
**Doctoral School in Natural Sciences,**  
**Scientific Association of Geneticists and Breeders of the Republic of Moldova**

# **NATURAL SCIENCES IN THE DIALOGUE OF GENERATIONS**

*The National Conference with International Participation, edition VII*

*September 12-13, Chisinau, Republic of Moldova, 2024*

## **PROGRAMME**

*Chisinau, 2024*

Dear

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**We are pleased to invite you to the scientific conference  
„NATURAL SCIENCES IN THE DIALOGUE OF GENERATIONS”,  
which will take place on *September 12-13, 2024***

**Venue:**

**Moldova State University  
Conference Hall „Regina Maria”  
60 Alexei Mateevici str.**

## ORGANIZERS

Moldova State University  
Center of Functional Genetics, Institute of Genetics, Physiology and Plant Protection  
Doctoral School in Natural Sciences  
Faculty of Biology and Geosciences  
Scientific Association of Geneticists and Breeders of the Republic of Moldova

## SCIENTIFIC COMMITTEE

### Chair

**DUCA Maria**, *Doctoral School of Natural Sciences, Moldova State University*

### Members

**ARICU Aculina**, *Institute of Chemistry, MSU, Republic of Moldova*  
**BEJAN Iurie**, *Institute of Ecology and Geography, MSU, Republic of Moldova*  
**BEJENARU Luminita**, *„Alexandru Ioan Cuza” University of Iași, Romania*  
**CAPATANA Gheorghe**, *Faculty of Mathematics and Informatics, MSU, Republic of Moldova*  
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**CIOCHINA Valentina**, *Institute of Physiology and Sanocreatology, MSU, Republic of Moldova*  
**CLAPCO Steliana**, *Moldova State University, Republic of Moldova*  
**CRISTEA Stelica**, *University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania*  
**GACEU Ovidiu Razvan**, *University of Oradea, Romania*  
**GLADCHI Vioreca**, *Faculty of Chemistry and Chemical Technology, MSU Republic of Moldova*  
**HANCU Boris**, *Faculty of Mathematics and Informatics, MSU, Republic of Moldova*  
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**KAYA Yalcin**, *Plant Breeding Research Center, Trakya University, Turkey*  
**MEREUTA Ion**, *Institute of Physiology and Sanocreatology, MSU, Republic of Moldova*  
**PORT Angela**, *Center of Functional Genetics, MSU, Republic of Moldova*  
**ROSCA Ion**, *National Botanical Garden (Institute) “Alexandru Ciubotaru”, MSU, Republic of Moldova*  
**SHIKIMAKA Olga**, *Institute of Applied Physics, MSU, Republic of Moldova*  
**SOCHIRCA Vitalie**, *Faculty of Biology and Geosciences, MSU, Republic of Moldova*  
**UNGUREANU Laurentia**, *Institute of Zoology, MSU, Republic of Moldova*  
**VATAVU Sergiu**, *Faculty of Physics and Engineering, MSU, Republic of Moldova*  
**ZHAO Jun**, *Inner Mongolia Agricultural University, Hohhot, China*

## ORGANIZING COMMITTEE

### Chair

**DUCA Maria**, *Moldova State University*

### Members

**BILETCHI Lucia**, *Institute of Zoology, MSU*  
**BIVOL Ina**, *Center of Functional Genetics, MSU*  
**CLAPCO Steliana**, *Center of Functional Genetics, MSU*  
**COCU Maria**, *Institute of Chemistry, MSU*  
**MUTU Ana**, *Center of Functional Genetics, MSU*  
**PORT Angela**, *Center of Functional Genetics, MSU*  
**POTLOG Tamara**, *Faculty of Physics and Engineering, MSU*  
**SEVERIN Maricela**, *Doctoral School of Natural Sciences, MSU*  
**SMEREA Svetlana**, *Institute of Genetics, Physiology and Plant Protection, MSU*

# PROGRAMME

SEPTEMBER, 12

Moldova State University,

Conference Hall „Regina Maria”, 60 Alexei Mateevici Str.

09 <sup>15</sup> – 10 <sup>00</sup>	REGISTRATION
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## OPENING CEREMONY

Online connection link: <https://meet.google.com/kmu-xcah-wcw>

<b>Chairs: STEPANOV Georgeta, DUCA Maria</b> <i>Location: Conference Hall „Regina Maria”, 60 Alexei Mateevici Str.</i>	
10 <sup>00</sup> – 11 <sup>15</sup>	Greeting words
11 <sup>15</sup> – 11 <sup>30</sup>	Group photo
11 <sup>30</sup> – 12 <sup>00</sup>	Coffee break

## THEMATIC SESSION

13<sup>00</sup> - 16<sup>00</sup>

### A: BIOTECHNOLOGY AND ENVIRONMENTAL SCIENCE

<b>Section: Microbiology and Biotechnology</b> <b>Chairs: RUDIC Valeriu, CHIRIAC Tatiana</b> <i>Location: Institute of Microbiology and Biotechnology, 1 Academiei str., room 253</i> Online connection link: <a href="https://meet.google.com/zau-hanw-fqe">https://meet.google.com/zau-hanw-fqe</a>	
13 <sup>00</sup> – 13 <sup>15</sup>	<b>Chaligava Omari</b> ASSESSING AIR QUALITY THROUGH MOSS BIOMONITORING: INSIGHTS INTO HEAVY METAL POLLUTION AND ITS VARIABILITY ACROSS REGIONS. <i>MSU, Chisinau, Republic of Moldova; Joint Institute for Nuclear Research, Dubna, Russian Federation</i>
13 <sup>15</sup> – 13 <sup>30</sup>	<b>Gutu Nadejda</b> DYNAMICS OF THE SPREAD OF MICROORGANISMS FROM THE FAMILY ENTEROBACTERIACEAE WITH ETIOLOGICAL ROLE IN ACUTE DIARRHEA DISEASES. <i>MSU, Chisinau, Republic of Moldova;</i>
13 <sup>30</sup> – 13 <sup>45</sup>	<b>Yushin Nikita</b> , Zinicovscaia Inga, Cepoi Liliana, Chiriac Tatiana, Rudi Ludmila, Dmitrii Grozdov PRASEODYMIUM (III) REMOVAL FROM AQUEOUS SOLUTIONS USING LIVING AND NON-LIVING <i>ARTHROSPIRA PLATENSIS</i> BIOMASS. <i>MSU, Chisinau, Republic of Moldova; Joint Institute for Nuclear Research, Dubna, Russian Federation</i>
13 <sup>45</sup> – 14 <sup>00</sup>	<b>Lungu Andrei, Volosciuc Leonid</b> MANIFESTATION OF SYNERGISM BETWEEN RESEARCH AND EDUCATION IN PLANT PROTECTION. <i>MSU, Chisinau, Republic of Moldova</i>
14 <sup>00</sup> – 14 <sup>15</sup>	<b>Magaz Pavel</b> , Chiselita Natalia, Chiselita Oleg, Efremova Nadejda, Chiriac Tatiana MORPHO-CULTURAL CHARACTERS OF SOME BAKER'S YEAST STRAINS IDENTIFIED FROM DIFFERENT ISOLATES, MEDIA AND PRODUCTS. <i>MSU, Chisinau, Republic of Moldova</i>
14 <sup>15</sup> – 14 <sup>30</sup>	<b>Moldovan Cristina</b> , Sirbu Tamara, Turcan Olga OPTIMIZATION OF THE CULTIVATION CONDITIONS OF THE FUNGAL STRAIN <i>TRICHODERMA ATROBRUNEUM</i> . <i>MSU, Chisinau, Republic of Moldova</i>
14 <sup>30</sup> – 14 <sup>45</sup>	<b>Nemerenco Olesea</b> SEASONAL MONITORING OF AGROTHIS SEGETUM PEST DEVELOPMENT IN DIFFERENT AGRICULTURAL CROPS USING PHEROMONE TRAPS. <i>MSU, Chisinau, Republic of Moldova</i>

14 <sup>45</sup> – 15 <sup>00</sup>	<b>Peshkova Alexandra</b> , Zinicovscaia Inga, Cepoi Liliana INVESTIGATION OF METAL NANOPARTICLES UPTAKE IN <i>MENTHA SPICATA</i> L. AND THEIR TRANSFER IN HERBAL INFUSION. <i>MSU, Chisinau, Republic of Moldova; Joint Institute for Nuclear Research, Dubna, Russian Federation</i>
15 <sup>00</sup> – 15 <sup>15</sup>	<b>Rusu Iuliana</b> , Zavatin Maria, Nastas Tudor ASSESSMENT OF THE EFFECTIVENESS OF PHEROMONE AND LIGHT TRAPS FOR SEASONAL MONITORING OF THE <i>HALYOMORPHA HALYS</i> STINK BUG. <i>MSU, Chisinau, Republic of Moldova</i>
15 <sup>15</sup> – 15 <sup>30</sup>	<b>Vergel Konstantin</b> ASSESSMENT OF AIR POLLUTION IN AGRICULTURAL AREA USING MOSS BAGS TECHNIQUE. <i>MSU, Chisinau, Republic of Moldova; Joint Institute for Nuclear Research, Dubna, Russian Federation</i>
15 <sup>30</sup> – 16 <sup>00</sup>	<b>DISCUSSIONS</b>

<b>Section: Environment Protection and Natural Resources Management</b> <b>Chairs: BEJAN Iurie, CODREANU Igor, PUȚUNȚICĂ Anatolie</b> <i>Location: Biology and Geoscience Faculty, Kogălniceanu str. 65, room 332</i>	
13 <sup>00</sup> – 13 <sup>15</sup>	<b>Botnari Aliona</b> COMPARATIVE ANALYSIS OF INTERPOLATION METHODS SUITABLE FOR THE TERRITORY OF THE REPUBLIC OF MOLDOVA: APPLICATION TO DANGEROUS FROSTS. <i>MSU, Chisinau, Republic of Moldova</i>
13 <sup>15</sup> – 13 <sup>30</sup>	<b>Bejan Alexandru</b> ASSESSMENT OF CHANGES IN THE LANDSCAPE STRUCTURE WITHIN THE CUBOLTA HYDROGRAPHIC BASIN. <i>MSU, Chisinau, Republic of Moldova</i>
13 <sup>30</sup> – 13 <sup>45</sup>	<b>Grigoras Mihail</b> INCREASING ECOLOGICAL SECURITY AND RESILIENCE OF GEO-ECOSYSTEMS TO ACTUAL ENVIRONMENTAL CHANGES. <i>MSU, Chisinau, Republic of Moldova</i>
13 <sup>45</sup> – 14 <sup>00</sup>	<b>Isac Aliona</b> THE SCIENTIFIC-METHODICAL BASE FOR RESEARCH OF THE BOTNA HYDROGRAPHIC BASIN. <i>MSU, Chisinau, Republic of Moldova</i>
14 <sup>00</sup> – 14 <sup>15</sup>	<b>Melnicenco Ecaterina</b> APPLYING EARTH OBSERVATION DATA TO IDENTIFY DESERTIFICATION TRENDS IN MOLDOVA. <i>MSU, Chisinau, Republic of Moldova</i>
14 <sup>15</sup> – 14 <sup>30</sup>	<b>Portarescu Anastasiia</b> , Bulimaga Constantin THE CONTENT OF HUMUS IN THE SOILS OF BĂLȚI CITY, REPUBLIC OF MOLDOVA. <i>MSU, Chisinau, Republic of Moldova</i>
14 <sup>30</sup> – 14 <sup>45</sup>	<b>Eroshenkova Victoria</b> , Bulimaga Constantin, Grabco Nadejda FLORA OF THE COASTAL WATER STRIPE OF TRIBUTARIES IN THE TERRITORY OF THE REPUBLIC OF MOLDOVA. <i>MSU, Chisinau, Republic of Moldova</i>
14 <sup>45</sup> – 15 <sup>00</sup>	<b>Prodan Petru</b> , Bulimaga Constantin ASSESSMENT OF SURFACE WATER QUALITY: A CASE STUDY ON PONDS IN THE BĂLȚI URBAN ECOSYSTEM. <i>MSU, Chisinau, Republic of Moldova</i>
15 <sup>00</sup> – 15 <sup>15</sup>	<b>Postovan Ruslan</b> ASSESSMENT OF THE IMPACT RELATIONSHIPS BETWEEN THE ENVIRONMENTAL CONDITIONS IN THE RAUT BASIN AND THE ROAD INFRASTRUCTURE. <i>MSU, Chisinau, Republic of Moldova</i>
15 <sup>15</sup> – 16 <sup>00</sup>	<b>DISCUSSIONS</b>

## B: HUMAN AND ANIMAL BIOLOGY

### Section: Human Sciences

**Chairs: FURDUI Teodor, CIOCHINĂ Valentina, LEORDA Ana**

*Location: Institute of Sanocreatology, 1 Academiei str., room 352*

13 <sup>00</sup> – 13 <sup>15</sup>	<b>Babileva Anastasia</b> STUDY OF THE ACIDOPHOETIC FUNCTION AND THE MOTILITY OF THE STOMACH IN RELATION TO THE HYPERSTHENIC TYPE OF CONSTITUTION. <i>MSU, Chisinau, Republic of Moldova</i>
13 <sup>15</sup> – 13 <sup>30</sup>	<b>Bacu Gheorghe</b> , Balacci Sergiu, Cretu Roman THE IMPORTANCE OF BEEKEEPING IN THE RELATIONSHIP OF COMPONENTS OF THE NATURAL ENVIRONMENT. <i>MSU, Chisinau, Republic of Moldova</i>
13 <sup>30</sup> – 13 <sup>45</sup>	<b>Balacci Sergiu</b> , Cretu Roman, Bacu Gheorghe CORRELATION OF ENVIRONMENTAL FACTORS ADAPTIVE CAPACITY AND RESISTANCE OF CARP LARVAE. <i>MSU, Chisinau, Republic of Moldova</i>
13 <sup>45</sup> – 14 <sup>00</sup>	<b>Berezovscaia Elena</b> PECULIARITIES OF ORNITHINE METABOLISM IN PATIENTS WITH CHRONIC HEPATOPATHIES. <i>MSU, Chisinau, Republic of Moldova</i>
14 <sup>00</sup> – 14 <sup>15</sup>	<b>Dorif Alexandr</b> , Sacara Victoria COMPARISON OF AFLP AND REPEAT-PRIMED PCR IN PATHOGENIC STR EXPANSION RESEARCH. <i>Institute of Mother and Child, Chisinau MSU, Chisinau, Republic of Moldova</i>
14 <sup>15</sup> – 14 <sup>30</sup>	<b>Garbuzneac Anastasia</b> , Sheptitsky Vladimir FEATURES OF LEARNING AND MEMORY IN WHITE RATS IN THE MORRIS WATER MAZE UNDER THE INFLUENCE OF BIOMASS OF STREPTOMYCETES ISOLATED FROM SOILS OF THE REPUBLIC OF MOLDOVA. <i>MSU, Chisinau, Republic of Moldova</i>
14 <sup>30</sup> – 14 <sup>45</sup>	<b>Grosul-Raileanu Olesea</b> , Sheptitsky Vladimir ACTIVITY OF AMYLOLYTIC ENZYMES OF THE PANCREAS AND SMALL INTESTINE DEPENDING ON THE TYPE OF CONSTITUTIONAL STRESS REACTIVITY AND THE CALORIC DIET COMPOSITION. <i>MSU, Chisinau, Republic of Moldova</i>
14 <sup>45</sup> – 15 <sup>00</sup>	<b>Ratea (Pop) Camelia</b> IMPACT OF DIETARY INTERVENTION IN A PATIENT WITH REFSUM DISEASE: A CASE STUDY. <i>MSU, Chisinau, Republic of Moldova</i>
15 <sup>00</sup> – 15 <sup>15</sup>	<b>Septitchi Alexandr</b> , Ciocina Valentina BIOMARKERS OF LONGEVITY. <i>MSU, Chisinau, Republic of Moldova</i>
15 <sup>15</sup> – 15 <sup>30</sup>	<b>Tolstenco Dorina</b> , Leorda Ana PROSPECTS FOR THE DEVELOPMENT OF NUTRACEUTICALS BASED ON GUT MICROBIOTA AND LOCAL ANTICANCER MEDICINAL PLANTS. <i>MSU, Chisinau, Republic of Moldova</i>
15 <sup>30</sup> - 15 <sup>45</sup>	<b>Zainea Pușica</b> PSYCHO-EMOTIONAL STATUS, DEPRESSION AND ANXIETY IN SUBJECTS WITH CARDIOVASCULAR DISORDERS. <i>MSU, Chisinau, Republic of Moldova</i>
15 <sup>45</sup> -16 <sup>30</sup>	<b>DISCUSSIONS</b>

### Section: Animal Biology

**Chairs: UNGUREANU Laurenția, BUȘMACHIU Galina, NISTREANU Victoria**

*Location: Institute of Zoology, 1 Academiei str., room 321*

13 <sup>00</sup> – 13 <sup>15</sup>	<b>Avram Alexandru</b> TARANTULA <i>LYCOSA SINGORIENSIS</i> (LAXMANN, 1770) (ARANEAE) IN THE FAUNA OF THE REPUBLIC OF MOLDOVA. <i>MSU, Chisinau, Republic of Moldova</i>
13 <sup>15</sup> – 13 <sup>30</sup>	<b>Crețu Irina</b> , Bacal Svetlana, Bușmachi Galina PRELIMINARY DATA ON COLEOPTERA DIVERSITY (INSECT: COLEOPTERA) FROM RAPE CROP, REPUBLIC OF MOLDOVA. <i>MSU, Chisinau, Republic of Moldova</i>
13 <sup>30</sup> – 13 <sup>45</sup>	<b>Istrati Sorina</b> , Munteanu-Molotievskiy Natalia, Moldovan Anna A MALAISE TRAP SURVEY OF BEETLES IN STEPPE ECOSYSTEMS OF THE REPUBLIC OF MOLDOVA. <i>MSU, Chisinau, Republic of Moldova</i>

13 <sup>45</sup> – 14 <sup>00</sup>	<b>Romanovich Nicolai</b> FIRST RECORD OF THE DALMATIAN PELICAN (AVES: PELECANIFORMES) THE LOWER DNIESTER. <i>MSU, Chisinau, Republic of Moldova</i>
14 <sup>00</sup> – 14 <sup>15</sup>	<b>Zakharov Denis</b> <i>DRYOMIMUS ELIOMYOIDES</i> (GLIRIDAE, RODENTIA) FROM THE EARLY Pliocene LOCALITY PROIZERNOE. <i>MSU, Chisinau, Republic of Moldova</i>
14 <sup>15</sup> – 15 <sup>30</sup>	<b>DISCUSSIONS</b>

## C: PLANT BIOLOGY

<p style="text-align: center;"><b>Chairs : ANDRONIC Larisa, LUPAȘCU Galina, ROȘCA Ion</b> <i>Location: Institute of Genetics, Physiology and Plant Protection, MSU, Conference Hall, 20 Padurii str.</i></p>	
13 <sup>00</sup> – 13 <sup>15</sup>	<b>Brâza Tatiana</b> THE BIOECOLOGICAL PECULIARITIES OF THE REPRESENTATIVES OF THE GENUS <i>BUDDLEJA</i> L. IN THE REPUBLIC OF MOLDOVA. <i>MSU, Chisinau, Republic of Moldova</i>
13 <sup>15</sup> – 13 <sup>30</sup>	<b>Buldumac Ana</b> PECULIARITIES OF THE MALE GAMETOPHYTE IN THE SCREENING OF TOMATO GENOTYPES TO THE ACTION OF PHYTOPATHOGENS AND ABIOTIC STRESS FACTORS. <i>MSU, Chisinau, Republic of Moldova</i>
13 <sup>30</sup> – 13 <sup>45</sup>	<b>Cristea Nicolae</b> , Lupascu Galina , Gavzer Svetlana VARIABILITY AND HERITABILITY OF WHEAT RESISTANCE TO <i>FUSARIUM LATERITUM</i> NEES. <i>Doctoral School of Natural Sciences, Moldova State University</i>
13 <sup>45</sup> – 14 <sup>00</sup>	<b>Grabovschi Vasile</b> THE STATUS OF FOREST CROPS OF <i>ROBINIA PSEUDOACACIA</i> (ALACACIA) IN THE REPUBLIC OF MOLDOVA CREATED ON THE LANDS OF THE MUNICIPALITIES AFTER THE YEAR 2000. <i>MSU, Chisinau, Republic of Moldova</i>
14 <sup>00</sup> – 14 <sup>15</sup>	<b>Gropa Tatiana</b> INTRODUCTION AND ACCLIMATIZATION OF ORNAMENTAL EVERGREEN BROADLEAF TAXA, <i>MSU, Chisinau, Republic of Moldova</i>
14 <sup>15</sup> – 14 <sup>30</sup>	<b>Mitu Vitalie</b> , Roșca Ion BIOLOGICAL PECULIARITIES OF DEVELOPMENT OF THE SPECIES <i>AMELANCHIER ALNIFOLIA</i> NUTT. UNDER THE CONDITIONS OF THE REPUBLIC OF MOLDOVA. <i>MSU, Chisinau, Republic of Moldova</i>
14 <sup>30</sup> – 14 <sup>45</sup>	<b>Sfeclă Victor</b> , Pînzaru Pavel <i>BROMUS RAMOSUS</i> HUDS. (POACEAE) IN THE FLORA OF THE "DOBRUȘA" LANDSCAPE RESERVE. <i>MSU, Chisinau, Republic of Moldova</i>
14 <sup>45</sup> – 15 <sup>30</sup>	<b>DISCUSSIONS</b>

## D: CHEMISTRY AND PHYSICS

<p style="text-align: center;"><b>Section: Chemistry and Technological Chemistry</b> <b>Chairs: GLADCHI Viorica, CIOCÎRLAN Alexandru, POVAR Igor</b> <i>Location: Moldova State University, 60 Alexei Mateevici str., b. IV, room 317</i></p>	
13 <sup>00</sup> – 13 <sup>15</sup>	<b>Zveaghintseva Marina</b> , Stingaci Eugenia, Sucman Natalia, Macaeu Fluur 3,3-DIMETHYL-1-(1H-1,2,4-TRIAZOL-1-YL)BUTAN-2-ONE IN THE SYNTHESIS OF DERIVATIVES OF THE 2H-CHROMEN-2-OL. <i>MSU, Chisinau, Republic of Moldova</i>
13 <sup>15</sup> – 13 <sup>30</sup>	<b>Cisteacov Maxim</b> , Blonschi Vladislav, Gladchi Viorica COMPARISON OF THE INTENSITY OF PHOTOLYSIS OF SOME B VITAMINS IN AQUEOUS SYSTEMS. <i>MSU, Chisinau, Republic of Moldova</i>
13 <sup>30</sup> – 13 <sup>45</sup>	<b>Cojocari Sergiu</b> , Bilan Dmitri, Sucman Natalia, Macaeu Fluur OBTAINING HETEROCYCLIC COMPOUNDS FROM THE CARAN SERIES. <i>MSU, Chisinau, Republic of Moldova</i>
13 <sup>45</sup> – 14 <sup>00</sup>	<b>Grigoras Carolina</b> , Gonța Maria, Ciocârlan Alexandru

	ANTIOXIDANT ACTIVITY OF PROPOLIS EXTRACTS OBTAINED BY DIFFERENT METHODS OF EXTRACTION. <i>MSU, Chisinau, Republic of Moldova</i>
14 <sup>00</sup> – 14 <sup>15</sup>	<b>Neguta Andrei</b> NEW, INNOVATIVE PRODUCTS WITH OUTSTANDING PERFORMANCES IN MEDICINE AND AGRICULTURE BASED ON THE COMPLEXES OF SOME 3D METALS WITH THIOSEMICARBAZONES. <i>MSU, Chisinau, Republic of Moldova</i>
14 <sup>15</sup> – 14 <sup>30</sup>	<b>Vişnevschi Alexandru</b> THE ANTHROPOGENIC IMPACT ON WASTEWATER CHARACTERISTICS IN THE REPUBLIC OF MOLDOVA. <i>MSU, Chisinau, Republic of Moldova</i>
14 <sup>30</sup> – 15 <sup>15</sup>	<b>DISCUSSIONS</b>

### **Section: Physics Science**

**Chairs: VATAVU Sergiu, ŞIKIMAKA Olga, POTLOG Tamara**

*Location: Moldova State University, 60 Alexei Mateevici str., b. IV, room 222*

13 <sup>00</sup> – 13 <sup>15</sup>	<b>Alsheikh Hanan</b> DISTRIBUTION OF MICROHARDNESS VALUES IN Zr2.5Nb SPECIMENS SUBJECTED TO EQUAL-CHANNEL ANGULAR PRESSING. <i>MSU, Chisinau, Republic of Moldova</i>
13 <sup>15</sup> – 13 <sup>30</sup>	<b>Batir Valentin</b> , Zalamai Victor, Arushanov Ernest OPTICAL PROPERTIES OF Cu2ZnSnS4 AND Cu2CdSnS4 QUATERNARY COMPOUNDS. <i>MSU, Chisinau, Republic of Moldova</i>
13 <sup>30</sup> – 13 <sup>45</sup>	<b>Costişen Igor</b> , Sergiu Bizgan, Nicolae Enaki THE INFLUENCE OF ULTRAVIOLET AND RED RADIATION ON THE VIABILITY OF SACCHAROMYCES CEREVISIAE. <i>MSU, Chisinau, Republic of Moldova</i>
13 <sup>45</sup> – 14 <sup>00</sup>	<b>Druta Alexandrina</b> , Lungu Ion, Potlog Tamara CHARACTERIZATION OF SYSTEMS BASED ON TETRA CARBOXY SUBSTITUTED ZnPc-POLYMERS. <i>MSU, Chisinau, Republic of Moldova</i>
14 <sup>00</sup> – 14 <sup>15</sup>	<b>Gadiac Ivan</b> , Lungu Ion, Potlog Tamara FABRICATION AND CHARACTERIZATION OF ZINC SELENIDE THIN FILMS. <i>MSU, Chisinau, Republic of Moldova</i>
14 <sup>15</sup> – 14 <sup>30</sup>	<b>Ghileţchii Gheorghe</b> , Narolschi Igor, Rusu Marin, Vatavu Sergiu TRENDS AND CHALLENGES IN THE SYNTHESIS AND CHARACTERIZATION OF II-IV-N2 THIN FILMS. <i>MSU, Chisinau, Republic of Moldova</i>
14 <sup>30</sup> – 14 <sup>45</sup>	<b>Losmanschii Constantin</b> , Abaskin Vladimir, Achimova Elena ENHANCED DIFFRACTION EFFICIENCY IN PEPC-SY3:AU: POLARIZATION AND CONCENTRATION DEPENDENCE ANALYSIS. <i>MSU, Chisinau, Republic of Moldova</i>
14 <sup>45</sup> – 15 <sup>00</sup>	<b>Lupu Maria</b> ELEMENTS OF THE ARTIFICIAL NEURON NETWORK BASED ON JOSEPHSON NANOSTRUCTURES. <i>MSU, Chisinau, Republic of Moldova</i>
15 <sup>00</sup> -15 <sup>30</sup>	<b>DISCUSSIONS</b>

## **E: MATHEMATICS AND COMPUTER SCIENCE**

**Chairs: HÎNCU Boris, SÂRBU Parascovia**

*Location: Moldova State University, 60 Alexei Mateevici str., b. IV, room 213*

13 <sup>00</sup> – 13 <sup>15</sup>	<b>Andronache Ion</b> THE USE OF SUCCOLARITY IN THE ANALYSIS OF FOREST CONNECTIVITY IN THE EASTERN CARPATHIANS, <i>University of Bucharest, Romania; Gymnasial School "Vasile Alecsandri", Brăila, Romania</i>
13 <sup>15</sup> – 13 <sup>30</sup>	<b>Andruh Vasili</b> ADAPTIVE ENVIRONMENTAL MODELING APPLICATIONS FOR DATA ANALYSIS AND INTERPRETATION OF MONITORING RESULTS. <i>MSU, Chisinau, Republic of Moldova</i>
13 <sup>30</sup> – 13 <sup>45</sup>	<b>Brănoaea Gabriela Cristina</b> BENEFITS OF USING INTELLIGENT E-LEARNING PLATFORMS IN MATHEMATICS LEARNING. <i>MSU, Chisinau, Republic of Moldova</i>



13 <sup>45</sup> – 14 <sup>00</sup>	<b>Cernov Vladimir</b> DEVELOPMENT AND RESEARCH OF HASH FUNCTIONS, INCLUDING QUASIGROUP-BASED. <i>MSU, Chisinau, Republic of Moldova</i>
14 <sup>00</sup> – 14 <sup>15</sup>	<b>Cuznetov Elena</b> RECURSIVELY DIFFERENTIABLE FINITE QUASIGROUPS. <i>MSU, Chisinau, Republic of Moldova</i>
14 <sup>15</sup> – 14 <sup>30</sup>	<b>Ieşeanu Dumitru</b> OPTIMIZING THE LEARNING DEGREE BY INTEGRATING CALCULATED ITEMS. <i>MSU, Chisinau, Republic of Moldova</i>
14 <sup>30</sup> – 14 <sup>45</sup>	<b>Muşinschi Lidia</b> FUNCTIONAL BASES OF COMITANTS FOR TERNARY DIFFERENTIAL SYSTEM AND THEIR CONNECTION WITH POLYNOMIAL BASES. <i>MSU, Chisinau, Republic of Moldova</i>
14 <sup>45</sup> – 15 <sup>00</sup>	<b>Radilov Piotr</b> OUASISGROUPS IN CRYPTOLOGY. <i>MSU, Chisinau, Republic of Moldova</i>
15 <sup>00</sup> – 15 <sup>15</sup>	<b>Turcanu Călin</b> PARALLEL ALGORITHM TO SOLVING BLOCK PARTITIONED BIMATRIX GAMES. <i>MSU, Chisinau, Republic of Moldova</i>
15 <sup>15</sup> – 15 <sup>45</sup>	<b>DISCUSSIONS</b>

**SEPTEMBER, 13**  
**POSTER SESSION**  
**9<sup>00</sup> - 10<sup>00</sup>**

**Chairs: CRIVOI Aurelia, CHERDIVARĂ Ala, MUTU Ana, RUDACOVA Angela**

*Location: Biology and Geoscience Faculty, Kogălniceanu str. 65, foyer of the 2<sup>nd</sup> floor*

8 <sup>30</sup> – 9 <sup>00</sup>	<b>Installation of printed posters</b>
9 <sup>00</sup> – 10 <sup>00</sup>	<b>Printed posters presentation</b> Digital posters will be presented during online poster presentation in the thematic sessions, maximum 3 minutes.

**THEMATIC SESSION**  
**10<sup>00</sup> - 14<sup>00</sup>**

**A: BIOTECHNOLOGY AND ENVIRONMENTAL SCIENCE**

**Chairs: CEPOI Liliana, CLAPCO Steliana, SOCHIRCĂ Vitalie**

*Location: Biology and Geoscience Faculty, Kogălniceanu str. 65, room 332*

**Online connection link: <https://meet.google.com/zau-hanw-fge>**

10 <sup>00</sup> – 10 <sup>15</sup>	<b>Băncilă Ioana-Cristina</b> HYDROGELS WITH BIOMEDICAL APPLICATIONS - TISSUE ENGINEERING OF SOFT TISSUES. <i>Vienna University of Technology, Vienna, Austria</i>
10 <sup>15</sup> – 10 <sup>30</sup>	<b>Bîrsa Maxim</b> , Burţeva Svetlana PLANT GROWTH PROMOTION PROPERTIES OF STREPTOMYCETES ISOLATED FROM MOLDOVAN SOILS. <i>Technical University of Moldova, Chisinau, Republic of Moldova</i>
10 <sup>30</sup> – 10 <sup>45</sup>	<b>Dudnicenco Tatiana</b> MUNICIPAL SOLID WASTE LANDFILLS – ONE OF THE BIGGEST ENVIRONMENTAL PROBLEMS OF THE IALOVENI DISTRICT. <i>MSU, Chisinau, Republic of Moldova</i>
10 <sup>45</sup> – 11 <sup>00</sup>	<b>Gaceu Ovidiu</b> , Baias Ştefan, Morar Cezar MASS MEDIA AND CLIMATE CHANGES. <i>University of Oradea, Oradea, Romania</i>
11 <sup>00</sup> – 11 <sup>15</sup>	<b>Jigău Gheorghe</b> , Stădnic Angela, Dobrojan Sergiu, Dobrojan Galina, Turchin Boris, Plăcintă Nina, Moşoi Iurie

	THE GENETIC-FUNCTIONAL ASPECTS OF ARABLE CHERNOZEMS IN THE AREA BETWEEN THE PRUT AND DNIESTER RIVERS IN THE CONTEXT OF SUSTAINABLE MANAGEMENT OF ORGANIC CARBON, <i>Moldova State University</i>
11 <sup>15</sup> – 11 <sup>30</sup>	<b>Mihășan Marius</b> ; Boiangiu Răzvan-Ștefan; Popa Laura Nicoleta IMPACT OF 3D-PRINTED MOLECULAR MODELS ON TEACHING PROTEIN AND DNA STRUCTURE. „Alexandru Ioan Cuza” University of Iași, Iași, Romania
11 <sup>30</sup> – 11 <sup>45</sup>	<b>Sirbu Tamara</b> , Cristina Moldovan, Robert Ruginescu, Madalin Enache POTENTIAL AQUATIC FUNGI PRODUCERS OF BIOACTIVE SUBSTANCES. <i>Technical University of Moldova, Chisinau, Republic of Moldova</i>
11 <sup>45</sup> – 12 <sup>00</sup>	<b>Sochircă Vitalie, Ciubuc Natalia</b> THE ROLE OF BLENDED LEARNING IN TEACHING NATURAL AND ENVIRONMENTAL SCIENCES. <i>MSU, Chisinau, Republic of Moldova</i>
12 <sup>00</sup> – 12 <sup>15</sup>	<b>Sochircă Vitalie, Nagacevski Tatiana</b> ANTHROPOGENIC PHENOMENA IN THE IRON AGE SOIL PROFILES. <i>MSU, Chisinau, Republic of Moldova</i>
12 <sup>15</sup> – 12 <sup>30</sup>	<b>Tudor Alina-Adriana</b> EXPLORING WETLAND AREAS IN THE CARPATHIAN REGION: CHARACTERISTICS, DISTRIBUTION, AND ECOLOGICAL SIGNIFICANCE. „Vasile Alecsandri” Secondary School, Braila, Romania
12 <sup>30</sup> – 12 <sup>45</sup>	<b>Vlășceanu G.</b> , Apetrei A., Bica M., Petculescu N., Nicolae F. ELEMENTS OF CIRCULAR BIO-ECONOMY - FULL VALORIZATION OF BLUEBERRIES AND CURRANTS FROM ECOLOGICAL CERTIFICATION, <i>Bioterra University from Bucharest, Romania</i>
12 <sup>45</sup> – 13 <sup>30</sup>	<b>ON-LINE POSTER PRESENTATION</b>
13 <sup>30</sup> – 13 <sup>45</sup>	<b>DISCUSSIONS</b>

## B: HUMAN AND ANIMAL BIOLOGY

<p><b>Chairs: UNGUREANU Laurenția, MEREUȚĂ Ion, BILETCHI Lucia</b>  <i>Location: Biology and Geoscience Faculty, Kogălniceanu str. 65, room 221</i>  <b>Online connection link: <a href="https://meet.google.com/fah-myai-rvz">https://meet.google.com/fah-myai-rvz</a></b></p>	
10 <sup>00</sup> – 10 <sup>15</sup>	<b>Boiciuc Chiril</b> , Blanita Daniela, Lefeber Dirk, Usurelu Natalia ISOELECTRIC FOCUSING OF SERUM TRANSFERRIN IN SCREENING OF CDG. <i>IMSP Institute of Mother and Child, Chisinau, Moldova</i>
10 <sup>15</sup> – 10 <sup>30</sup>	<b>Brinza Ion</b> , Boiangiu Razvan Stefan, Dumitru Gabriela, Hritcu Lucian EXPLORING THE THERAPEUTIC POTENTIAL OF CORIANDRUM SATIVUM ESSENTIAL OIL IN MITIGATING COGNITIVE IMPAIRMENT AND OXIDATIVE STRESS: INSIGHTS FROM A ZEBRAFISH MODEL. „Alexandru Ioan Cuza” University of Iași, Iași, Romania
10 <sup>30</sup> – 10 <sup>45</sup>	<b>Burlui Ecaterina</b> , Burlui Vasile, Ciobica Alin INTEGRATING DENTAL CARE IN SCHIZOPHRENIA TREATMENT: THE IMPACT OF DENTAL IMPLANTS AND OXIDATIVE STRESS MARKERS. „Alexandru Ioan Cuza” University of Iași, Iași, Romania
10 <sup>45</sup> – 11 <sup>00</sup>	<b>Corlăteanu Alexandr</b> INFLUENCE OF ACUTE CHRONIC STRESS OF VARIOUS NATURE ON THE BEHAVIOR OF RATS IN OPEN FIELD, <i>Technical University of Moldova, Chisinau, Republic of Moldova</i>
11 <sup>00</sup> – 11 <sup>15</sup>	<b>Hritcu Lucian</b> , Boiangiu Razvan Stefan, Honceriu Iasmina, Brinza Ion, Mihășan Marius 6-HYDROXY-L-NICOTINE ALLEVIATES COGNITIVE IMPAIRMENT IN 5XFAD TRANSGENIC MICE. „Alexandru Ioan Cuza” University of Iași, Iași, Romania
11 <sup>15</sup> – 11 <sup>30</sup>	<b>Hritcu Lucian</b> , Brinza Ion, Boiangiu Razvan, Todirascu-Ciornea Elena, Dumitru Gabriela <i>FOENICULUM VULGARE</i> MILL REDUCES MEMORY IMPAIRMENT IN SCOPOLAMINE ZEBRAFISH MODEL. „Alexandru Ioan Cuza” University of Iași, Iași, Romania
11 <sup>30</sup> – 11 <sup>45</sup>	<b>Ionescu Cătălina</b> , Ciobică Alin, Burlui Vasile, Rarincă Viorica THE BENEFITS OF USING ZEBRAFISH IN CANCER RESEARCH: AN INNOVATIVE MODEL FOR THERAPEUTIC DISCOVERIES. „Alexandru Ioan Cuza” University of Iași, Iași, Romania; <i>Apollonia University, Iași, Romania</i>

11 <sup>45</sup> – 12 <sup>00</sup>	<b>Iurcu-Străistaru Elena</b> , Bivol Alexei, Rusu Ștefan, Gliga Olesea, Railean Nadejda RESULTS OF COMPARATIVE ENTOMOLOGICAL RESEARCH ON INVASIVE INSECT PEST COMPLEXES IN OPEN FIELD POTATO CROPS. <i>MSU, Chisinau, Republic of Moldova</i>
12 <sup>00</sup> – 12 <sup>15</sup>	<b>Larion Alina</b> , Nistoreanu Victoria INFLUENCE OF CLIMATE FACTORS ON THE POPULATION OF THE SPECIES MUS SPICILEGUS PETENYI ( <i>RODENTIA, MURIDAE</i> ) IN DIFFERENT TYPES OF AGROECOSYSTEMS. <i>MSU, Chisinau, Republic of Moldova</i>
12 <sup>15</sup> – 12 <sup>30</sup>	<b>Petreanu Ionuț-Cătălin</b> EXPLORING COLOR ABERRATIONS: THREE CASES OF ABNORMAL PIGMENTATION IN FREE-RANGING REPTILES FROM ROMANIA. „Alexandru Ioan Cuza” University of Iasi, Iasi, Romania
12 <sup>30</sup> – 12 <sup>45</sup>	<b>Nistoreanu Victoria</b> , Larion Alina, Burlacu Victoria INSECTIVOROUS MAMMALS ( <i>MAMMALIA: EULIPOTYPHILA</i> ) FROM THE URBAN ECOSYSTEMS OF CHISINAU CITY. <i>MSU, Chisinau, Republic of Moldova</i>
12 <sup>45</sup> – 13 <sup>00</sup>	<b>Rarinca Viorica</b> , Nicoara Mircea, Burlui Vasile, Ciobica Alin, Ionescu Catalina THE IMPACT OF AMPICILLIN AND QUERCETIN ON ZEBRAFISH SOCIAL BEHAVIOR: A COMPARATIVE STUDY OF THE SINGLE AND COMBINED EFFECTS. „Alexandru Ioan Cuza” University of Iasi, Iasi, Romania
13 <sup>00</sup> – 13 <sup>15</sup>	<b>Secu Doina</b> , Blăniță Daniela, Ușurelu Natalia, Dorif Alexandr, Sacară Victoria BIOCHEMICAL AND MOLECULAR EVALUATION IN 100 PATIENTS WITH SUSPECTED MITOCHONDRIAL DISORDER. <i>IMSP Institute of Mother and Child, Chisinau, Moldova</i>
13 <sup>15</sup> – 13 <sup>30</sup>	<b>Spaseni Petrone</b> , Gherghel Iulian, Sahlean Tiberiu, Strugaru Alexandru TESTING THE THERMAL MELANISM HYPOTHESIS FOR ADDERS ( <i>VIPERA BERUS</i> ) USING CITIZEN SCIENCE. „Alexandru Ioan Cuza” University of Iasi, Iasi, Romania
13 <sup>30</sup> – 13 <sup>45</sup>	<b>ON-LINE POSTER PRESENTATION</b>
13 <sup>45</sup> – 14 <sup>00</sup>	<b>DISCUSSIONS</b>

## C: PLANT BIOLOGY

<p style="text-align: center;"><b>Chairs: ANDRONIC Larisa, PORT Angela, SMEREA Svetlana</b>  <i>Location: Biology and Geoscience Faculty, Kogălniceanu str. 65, room 229</i>  <b>Online connection link: <a href="https://meet.google.com/phm-ziqz-vhw">https://meet.google.com/phm-ziqz-vhw</a></b></p>	
10 <sup>00</sup> – 10 <sup>15</sup>	<b>Cojocari Dumitru</b> , Băfiru Grigorii, Comarova Galina EVALUATION OF SOME PRODUCTIVITY INDICATORS OF DIPLOID AND TETRAPLOID FORMS OF MAIZE. <i>Technical University of Moldova, Chisinau, Republic of Moldova</i>
10 <sup>15</sup> – 10 <sup>30</sup>	<b>Joita-Pacureanu Maria</b> , Popescu Gabriel, Anton Florin Gabriel, Petcu Victor, Todirica Ioana, Simion Simona NEW CHALLENGES FOR SUNFLOWER IDEOTYPING IN CLIMATE CHANGE CONDITIONS AND MORE ECOLOGICAL CROPPING SYSTEM. <i>Center for Studies and Research for Agroforestry Biodiversity, Romanian Academy; National Agricultural Research and Development Institute Fundulea, Bucharest, Romania</i>
10 <sup>30</sup> – 10 <sup>45</sup>	<b>Plyhun Viktoriia</b> , Antonyuk Maksym, Iefimenko Tetiana, Ternovska Tamara DEVELOPMENT AND EVALUATION OF PRIMERS TO CONSERVED REGIONS OF Pm WITH THE INVOLVEMENT OF INTROGRESSIONS FROM WILD SPECIES TRITICINAE. <i>National University of Kyiv-Mohyla Academy</i>
10 <sup>45</sup> – 11 <sup>00</sup>	<b>Vus Nadiia</b> , Vasylenko Antonina, Raievska Irina, Besuhla Olha PRELIMINARY EVALUATION OF CHICKPEA COLD TOLERANCE. <i>French National Institute for Agriculture, Food, and Environment (INRAE)</i>
11 <sup>30</sup> – 12 <sup>00</sup>	<b>ON-LINE POSTER PRESENTATION</b>
12 <sup>00</sup> – 12 <sup>15</sup>	<b>DISCUSSIONS</b>

## D: CHEMISTRY AND PHYSICS

### Section: Physics Science

**Chairs: VATAVU Sergiu, ŞIKIMAKA Olga, POTLOG Tamara**

*Location: Moldova State University, 60 Alexei Mateevici str., b. IV, room 222*

Online connection link: <https://meet.google.com/iez-dahp-njk>

10 <sup>00</sup> – 10 <sup>15</sup>	<p><b><u>Micu Alexandru</u></b> DEVELOPMENT OF TECHNOLOGY FOR GROWING LAYERED SEMICONDUCTORS USING CHEMICAL VAPOR TRANSPORT TECHNIQUE TO OBTAIN 2D-FLAKES OF TRANSITION METAL DICHALCOGENIDES WITH REPRODUCIBLE PHYSICO-CHEMICAL PROPERTIES. <i>MSU, Chisinau, Republic of Moldova</i></p>
10 <sup>15</sup> – 10 <sup>30</sup>	<p><b><u>Munteanu, Ion</u></b> Nelly Ciobanu; Enachi Nicolae NEW METHODS OF PATHOGEN INACTIVATION USING UV-C RADIATION. <i>MSU, Chisinau, Republic of Moldova</i></p>
10 <sup>30</sup> – 10 <sup>45</sup>	<p><b><u>Podoleanu Diana</u></b> THE COOPERATIVE EFFECTS OF RADIATION ON MOLECULES AND CELLULAR PROCESSES. <i>MSU, Chisinau, Republic of Moldova</i></p>
10 <sup>45</sup> -11 <sup>00</sup>	<p><b><u>Rusnac Dumitru</u></b> THE IMPACT OF CHEMICAL TRANSPORT REACTIONS ON CERAMICS SINTERING AND MAGNETRONIC DEPOSITION OF ZnO THIN LAYERS. <i>MSU, Chisinau, Republic of Moldova</i></p>
11 <sup>00</sup> -11 <sup>15</sup>	<p><b><u>Statii Dumitru</u></b> MULTIFUNCTIONAL METAL-ORGANIC MATERIALS BASED ON CARBOXYLATE AND HOMOMETALLIC Co(II,III) AND HETEROMETALLIC COORDINATIVE POLYMERS CLUSTERS, <i>MSU, Chisinau, Republic of Moldova</i></p>
11 <sup>15</sup> -11 <sup>30</sup>	<p><b><u>Suman Victor</u></b>, Lidia Ghimpu, EVALUATION OF THE COLLOIDAL SILVER SOLUTION NANOPARTICLES SYNTHESIZED FROM GLUCOSE-CHONDROITIN - SILVER NITRATE SOLUTIONS THROUGH THE CHEMICAL REDUCTION METHOD. <i>MSU, Chisinau, Republic of Moldova</i></p>
11 <sup>30</sup> -11 <sup>45</sup>	<p><b><u>Varzari Alexandru</u></b>, Cliucanov Alexandr, Vatavu Sergiu PHOTOLUMINESCENCE SPECTRA OF II-VI AND II-IV-N2 TYPE SEMICONDUCTORS. <i>MSU, Chisinau, Republic of Moldova</i></p>
11 <sup>45</sup> -12 <sup>00</sup>	<b>ON-LINE POSTER PRESENTATION</b>
12 <sup>00</sup> -12 <sup>15</sup>	<b>DISCUSSIONS</b>

14 <sup>00</sup> – 14 <sup>30</sup>	<b>Coffee break</b>
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## CLOSING REMARKS

14 <sup>30</sup> -15 <sup>30</sup>	<p><b>Chair: DUCA Maria</b> <i>Moldova State University, 65 M. Kogălniceanu str., room 333</i></p>
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## POSTERS

A. BIOTECHNOLOGY AND ENVIRONMENTAL SCIENCE	
1.	<b>Artiomov L.</b> ACTINOMYCETES - POTENTIAL BIOCONTROL AGENTS AND PLANT GROWTH PROMOTERS
2.	<b>Balan L., Slanina V., Bogdan-Golubi N.</b> EFFECT OF THE IRON SALTS ON THE GROWTH RATE OF BACTERIA
3.	<b>Slanina V., Balan L., Bogdan-Golubi N.</b> THE INFLUENCE OF ZINC SALTS ON THE GROWTH RATE OF BACTERIA STRAINS
4.	<b>Bilynska O.V., Bohuslavskiy R.L.</b> VERNALIZATION REQUIREMENT OF <i>HORDEUM SPONTANEUM</i> ACCESSIONS AND THEIR DERIVATIVES
5.	<b>Boian I.</b> THE IMPACT OF THE UNUSUAL AGROMETEOROLOGICAL CONDITIONS OF THE WINTER 2023-2024 ON THE WINTERING OF THE MAIN AGRICULTURAL CROPS
6.	<b>Bogdan-Golubi N., Balan L., Slanina V.</b> THE EFFECT OF COPPER SALT ON THE GROWTH OF <i>BACILLUS</i>
7.	<b>Cepoi L., Tașcă I., Valuța A., Iațco I., Chelmenciuc V.</b> ANTIOXIDANT ACTIVITY OF SOME EXTRACTS OBTAINED FROM NATIVE AND PRETREATED BIOMASS OF <i>ARTHROSPIRA PLATENSIS</i>
8.	<b>Chiriac T., Rudi L., Djur S., Rotari I., Zosim L., Rudic V.</b> SOME SPIRULINA BIOMASS TREATMENT TECHNIQUES AND THE EFFICIENCY OF THE PROCESS FOR OBTAINING A VALUABLE BIOLOGICAL ACTIVE EXTRACTS
9.	<b>Ciloci A., Clapco S., Dvornina E., Labliuc S., Bulimaga V.</b> CHARACTERIZATION OF AMILOLYTIC PREPARATIONS PRODUCED BY THE MICROMYCETE <i>ASPERGILLUS NIGER</i> CNMN FD 06
10.	<b>Ciobanu N., Macaev F.</b> SELECTION OF THE OPTIMAL METHOD FOR SYNTHESIS OF DIHYDROPYRIMIDIN-2-ONES(THIONES) USING VARIOUS CATALYSTS
11.	<b>Ciobotaru A. M.</b> THE GEOMORPHOLOGICAL IMPACT OF DEFORESTATION ON THE STABILITY OF THE GEOGRAPHICAL ENVIRONMENT
12.	<b>Ciocarlan N.</b> <i>ORIGANUM TYTTANTHUM</i> GONTSCH. – BIOLOGICAL PECULIARITIES UNDER <i>EX SITU</i> CONDITIONS
13.	<b>Ciurlic M. P., El-Sabeh A., Munteanu I. T., Mihășan M.</b> RECOVERING A LOST SEQUENCE - PH6EX3
14.	<b>Colesnicova V.</b> THE ROLE OF DIGITAL TEHNOLOGIES IN THE DEVELOPMENT OF THE TOURISM SECTOR IN THE REPUBLIC OF MOLDOVA
15.	<b>Coretchi L., Ababii A., Raileanu V., Romanciuc P., Capatina A.</b> CONTRIBUTIONS TO THE RESEARCH OF RADON EXPOSURE UNDER THE CONDITIONS OF THE REPUBLIC OF MOLDOVA IN RELATION TO THE IMPLEMENTATION OF EC DIRECTIVE 2013/59/
16.	<b>Coronovschi A., Prepeliță D., Isac Aliona.</b> ANALYSIS OF THE INFLUENCE OF THE HYDRO POWER COMPLEX ON THE HYDROLOGICAL REGIME OF THE DNIESTER RIVER
17.	<b>Curiev L., Pinzaru B.</b> BIOLOGICAL PRODUCTS IMPACT ON POWDERY MILDEW INTENSITY AND PROGRESS ON APPLE
18.	<b>Dobrojan S., Jigău G., Dobrojan G., Melnic C., Ciolacu T., Ciobanu E.</b> ALGAE OF THE NOSTOC GENUS AS STIMULATORS FOR GERMINATION OF <i>ECHINACEA PURPUREA</i> L. SEEDS
19.	<b>Dobrojan S., Jigău G., Dobrojan G., Melnic V., Melnic C., Ciolacu T., Ciobanu E.</b> ALGAE - NATURAL SOLUTIONS FOR MITIGATING CLIMATE CHANGE
20.	<b>Domenco R.</b> ASPECTS OF THE RELATIONSHIP BETWEEN MAXIMUM AIR TEMPERATURES AND SUNFLOWER CROP YIELD

21.	<b>Dudnicenco N.</b> THE USE OF THE MAPLE TREE BY THE ROMANIAN PEOPLE
22.	<b>Dudnicenco N.</b> THE USE OF THE POPLAR TREE BY THE ROMANIAN PEOPLE
23.	<b>Dudnicenco T.</b> ALGAE FOR LIVESTOCK WASTEWATER TREATMENT
24.	<b>Efremova N., Chiselita N., Chiselita O., Magaz P., Rozlovan A.</b> REGULATION OF ANTIOXIDANT ENZYMES AT SACCHAROMYCES BY THE INDUCED OXIDATIVE STRESS
25.	<b>Erhan D., Rusu S., Gherasim E., Zamornea M.</b> ECOLOGICAL PROBLEMS OF THE CURRENT PARASITOLOGY
26.	<b>Erhan T., Jalbă S., Odobescu V.</b> <i>CYDIA POMONELLA</i> – SWITCHING FROM MONITORING TO MASS CAPTURE OF THIS PEST
27.	<b>Frunze N.</b> <i>ARCHAEA</i> - THE NEW DOMAIN OF LIFE – COMPONENT PART OF THE PROKARYOTIC COMMUNITIES OF THE TYPICAL CHERNOSEM IN THE REPUBLIC OF MOLDOVA
28.	<b>Glavan-Caranghel T., Nistreanu V., Sitnic V.</b> POPULATION DYNAMICS OF RED AND SIKA DEER FROM THE "CODRII" RESERVE, MOLDOVA
29.	<b>Golosna L., Holubec V.</b> GERMINATION OF COMPONENTS OF LAWN GRASS MIXTURES
30.	<b>Gorincioi E., Ciobanu N., Macaev F.</b> LOW-ESTER PECTIN AS RECYCLABLE GREEN CATALYST FOR ECO-FRIENDLY SYNTHESIS OF ( $\pm$ )-MONASTROL
31.	<b>Grajdieru C., Bilici E., Mitina I., Mitin V., Tumanova L.</b> ASSESSING THE RESISTANCE OF MOLDAVIAN INBRED MAIZE LINES TO <i>FUSARIUM</i> SPP.
32.	<b>Hutiianskyi R., Suprun O.</b> CONTENT OF OLEIC ACID IN HIGH-OLEIN SUNFLOWER OIL DEPENDS ON FERTILIZERS
33.	<b>Ignatova Z., Cuznețova I.</b> ASSESSING THREE TRITICALE CULTIVARS BASED ON THEIR RESISTANCE TO FUNGAL PATHOGENS
34.	<b>Jigău G., Dobrojan S., Dobrojan G., Turchin B., Stadnic A., Plăcintă N., Moșoi I.</b> INDICES OF ORGANIC CARBON SEQUESTRATION IN THE STRUCTURAL AGGREGATES OF ARABLE CHERNOZEMS, PRINCIPLES OF SUSTAINABILITY
35.	<b>Kozub N., Sozinova O., Sozinov I., Bidnyk H., Demianova N., Blume Y.</b> POPULATION STRUCTURE OF UKRAINIAN COMMON WHEAT VARIETIES BASED ON MARKER LOCI
36.	<b>Kupriianova T., Kupriianov S.</b> INFLUENCE OF TEMPERATURE AND LIGHT CONDITIONS ON TUBERISATION OF POTATO <i>IN VITRO</i>
37.	<b>Kyrychenko S.O., Sozinov I.O., Bondus R.O., Kozub N.O.</b> IDENTIFICATION OF <i>Ryadg</i> AND <i>Rychc</i> GENES IN UKRAINIAN POTATO VARIETIES AND LINES
38.	<b>Lis A., Gladchi V., Panainte V.</b> FORMULATION AND PRODUCTION OF AN EMULGEL WITH ANTIOXIDANT PROPERTIES UTILIZING ALOE VERA
39.	<b>Lisova H., Rymar Yu., Morgun B.</b> WHEAT GENOME AND RESISTANCE TO POWDERY MILDEW AND SEPTORIA LEAF SPOT
40.	<b>Lisova H., Konovalova S., Kyrylenko V.</b> RESISTANCE OF WINTER WHEAT VARIETIES ON ENHANCED ARTIFICIAL INFECTION BACKGROUNDS
41.	<b>Lupascu L., Lupascu G., Fliur M.</b> ANTIFUNGAL ACTIVITY OF SOME VINYL-TRIAZOLE DERIVATIVES
42.	<b>Makovei M.</b> ADAPTABILITY OF MUTANT FORMS OF TOMATO TO ABIOTIC STRESSES ON MICROGAMETOPHYTE
43.	<b>Mazur Z.</b> SELECTION OF NUTRITIONAL MEDIUM FOR INDUCTION OF NEOPLASMS IN THE CULTURE OF ISOLATED ANTHERS OF WINTER RYE

44.	<b>Milovanović D., Žilić S., Niković V., Simić M., Sarić B.</b> APPLICATION OF CORN SILK FOR PHARMACEUTICAL PURPOSE: PAIRING HEALTH BENEFITS WITH POTENTIAL AGRICULTURAL WASTE UTILIZATION
45.	<b>Mitina I., Mitin V., Curşunji D.</b> DETECTION OF POTENTIALLY MYCOTOXIGENIC FUNGI IN CHICKPEA BEANS
46.	<b>Mleşniță A. M., Petrila D. B., Mihăşan M.</b> WHOLE-CELL PROTEIN PROFILE ANALYSIS OF PAENARTHROBACTER NICOTINOVORANS GROWN ON RELATED MEDIA
47.	<b>Mocanu L., Gonta M.</b> CATALYTIC OXIDATION OF GALLIC ACID UTILIZING FENTON AND PHOTO-FENTON REACTIONS
48.	<b>Mohamed A. E. E., Boiu-Suciu O.A., Cornea C.P.</b> MYCOTOXIN CONTAMINATION IN SUDANESE POULTRY FEED: A COMPREHENSIVE REVIEW
49.	<b>Morgun B., Sandetska N., Velykozhon L.</b> EFFECT OF <i>GPC-B1</i> GENE ON PROTEIN CONTENT OF WINTER BREAD WHEAT GRAINS
50.	<b>Munteanu I. T., Mihăşan M.</b> APPLICATION OF CRISPR SYSTEM TO A PROMISING ACTINOBACTERIUM, <i>PAENARTHROBACTER NICOTINOVORANS</i> ATCC 49919
51.	<b>Narozhnyi S., Golosna L., Sevastianov S., Bobrova O.</b> ENCAPSULATION OF ESSENTIAL OIL IN ALGINATE MICROCAPSULES BY ELECTROSPRAY METHOD
52.	<b>Nikolić V., Simić M., Žilić S., Perić V., Milovanović D., Sarić B., Sarić J.</b> A STEP TOWARDS ZERO WASTE FOOD PROCESSING: USING SOYBEAN AND MAIZE BY-PRODUCTS IN FUNCTIONAL FOODS
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## NOTES