



## Section 1

# **AGRONOMY**

## SCIENTIFIC COMMITTEE

- Sinisa BERJAN – University of East Sarajevo, Bosnia and Herzegovina
- Dimitrios BILALIS – Agricultural University of Athens, Greece
- Iovu-Adrian BIRIȘ – University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania
- Lancelot BUTTERS – University of Central Lancashire, United Kingdom
- Raimundo CABRERA – University of La Laguna, Phytopathology Unit, Spain
- Costică CIONTU – University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania
- Sorin Mihai CÎMPEANU – University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania
- Stelica CRISTEA – University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania
- Ionela DOBRIN – University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania
- Mihail DUMITRU – Research and Development Institute for Soil Science, Agrochemistry and Environmental Protection of Bucharest, Romania
- Lenuța Iuliana EPURE – University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania
- Senol Zafer ERDOGAN – Konya Food and Agriculture University, Turkey
- André FALISSE – University of Liège, Gembloux Agro-Bio Tech, Belgium
- Cristian HERA – Romanian Academy
- Beatrice-Michaela IACOMI – University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania
- Cristian IACOMI – University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania
- Leonard ILIE – University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania
- Florin IMBREA – University of Life Sciences "King Mihai I" from Timisoara, Romania
- Viorel ION – University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania
- Mohsen JANMOHAMMADI – University of Maragheh, East Azarbaijan, Iran
- Gheorghe JIGĂU – State University of Moldova, Republic of Moldova
- Gerard JITĂREANU – University of Life Sciences "Ion Ionescu de la Brad" from Iași, Romania
- Maria JOIȚA-PĂCUREANU – National Agricultural Research and Development Institute Fundulea, Romania
- Yalcin KAYA – Trakya University, Plant Breeding Research Center, Turkey
- Roxana Maria MADJAR – University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania
- Doru Ioan MARIN – University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania
- Mircea MIHALACHE – University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania
- Ioan PĂCURAR – University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Romania

- Aurelian PENESCU – University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania
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- Gheorghe Valentin ROMAN – University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania
- Mihail RURAC – State Agrarian University of Moldova, Republic of Moldova
- Teodor RUSU – University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca, Romania
- Dumitru Ilie SÂNDOIU – University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania
- Philippe SIMONEAU – University of Angers, France
- Vasilica STAN – University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania
- Lizica SZILAGYI – University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania
- Marin ȘTEFAN - University of Craiova, Romania
- David C. WEINDORF – Texas Tech University, USA
- Hristina YANCHEVA – Agricultural University of Plovdiv, Bulgaria

#### **ORGANIZING COMMITTEE**

- Costică CIONTU
- Lenuța Iuliana EPURE
- Mircea MIHALACHE
- Viorel ION
- Doru Ioan MARIN
- Leonard ILIE
- Adrian Gheorghe BĂȘA

## SECTION 1 – AGRONOMY

*Agronomy Section Chairman:*

*Prof. Dr. Viorel ION*

*Prof. Dr. Mircea MIHALACHE*

*Prof. Dr. Costică CIONTU*

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**University of Agronomic Sciences and Veterinary Medicine of Bucharest**  
**Faculty of Agriculture**

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**Web:** <http://agricultureforlife.usamv.ro>; <http://agro-bucuresti.ro>

## THURSDAY, 8<sup>TH</sup> OF JUNE, 2023

*Building A - Faculty of Agriculture  
Third Floor, Gheorghe Ionescu-Șișești Amphitheatre*

- 14:00 – 14:15 *Conference Section Opening*
- 14:15 – 16:00 *Session 1 - Third Floor, Gheorghe Ionescu-Șișești Amphitheatre*
- 16:00 – 16:30 *Coffee break - Third Floor, Central Hall*
- 16:30 – 17:30 *Posters display and viewing – Third Floor, Central Hall*
- 19:00 – 21:30 *Official Gala Dinner – Cultural Event (Ceres Restaurant) – USAMV Campus*

### SESSION 1

**Time: 14:15 – 16:00**

*Third Floor, Gheorghe Ionescu-Șișești Amphitheatre*

**Session Moderators:** *Prof. Dr. Viorel ION*  
*Assoc. Prof. Dr. Lenuța Iuliana EPURE*

Time	Authors	Paper Title
14:15 – 14:30	Önder ÖZAL, Ali COŞKAN	SEARCHING POSSIBLE PGPR FROM NATURAL ECOSYSTEM
14:30 – 14:45	Cemal KURT, Faheem Shahzad BALOCH	DETERMINATION OF VARIATION IN THE FATTY ACID COMPOSITION OF DIFFERENT FAR EASTERN WILD SOYBEAN ACCESSIONS AND IDENTIFICATION OF SUPERIOR GENOTYPES WITH OLEIC ACID CONTENT AS HIGH OLEIC POTENTIAL
14:45 – 15:00	Angela CANTÎR, Tatiana CIOLACU	EVALUATION OF THE MORPHOMETRIC PARAMETERS OF THE CUBOLTA RIVER BASIN WITH THE GIS SUPPORT
15:00 – 15:15	Tamara MYSLYVA, Petro NADTOCHIY, Yurii BILYAVSKYI, Petro TROFYMENKO	INTRA-FIELD SPATIAL HETEROGENEITY PREDICTION FOR THE PURPOSES OF PRECISION FARMING: COMPARISON OF FREQUENCY RATIO AND SHANNON'S ENTROPY MODELS

<b>Time</b>	<b>Authors</b>	<b>Paper Title</b>
15:15 – 15:30	George HARGREAVES, Adam ECKERSLEY, Philip BOYLE, Lancelot BUTTERS	AN INVESTIGATION OF THE EFFECTS OF INTRODUCING AN ALTERNATIVE CATTLE FEEDING METHOD ON A DAIRY FARM
15:30 – 15:45	Florența (JAFRI) PARASCHIV, Elena Mirela DUȘA, Vasilica STAN	BENEFITS OF ORGANIC FERTILIZERS RESULTED FROM DIFFERENT ORGANIC WASTE CO-COMPOSTING: A REVIEW
15:45 – 16:00	<i>Discussions</i>	
16:00 – 16:30	<i>Coffee break - Third Floor, Central Hall</i>	
16:30 – 17:30	<i>Posters display and viewing – Third Floor, Central Hall</i>	
19:00 – 21:30	<i>Official Gala Dinner – Cultural Event (Ceres Restaurant, USAMV Campus)</i>	

## **FRIDAY, 9<sup>TH</sup> OF JUNE, 2023**

*Building A - Faculty of Agriculture  
Third Floor, Gheorghe Ionescu-Șișești Amphitheatre*

08:00 – 09:00	<i>Arrival and registration of participants – Third Floor, Central Hall</i>
09:00 – 11:00	<i>Session 2 – Third Floor, Gheorghe Ionescu-Șișești Amphitheatre</i>
11:00 – 11:30	<i>Coffee break – Third Floor, Central Hall</i>
11:30 – 13:30	<i>Session 3 – Third Floor, Gheorghe Ionescu-Șișești Amphitheatre</i>
13:30 – 14:30	<i>Lunch – Third Floor, Central Hall</i>

## SESSION 2

Time: 09:00 – 11:00

Building A - Faculty of Agriculture

Third Floor, Gheorghe Ionescu-Șișești Amphitheatre

Session Moderators: Prof. Dr. Costică CIONTU

Prof. Dr. Leonard ILIE

Time	Authors	Paper Title
09:00 – 09:15	Emil GEORGESCU, Maria TOADER, Lidia CANĂ, Roxana ZAHARIA, Andrei TEODORU	RESEARCHES CONCERNING THE EVOLUTION OF THE WESTERN CORN ROOTWORM ( <i>Diabrotica virgifera virgifera</i> Leconte) IN THE SOUTH-EAST OF ROMANIA
09:15 – 09:30	Luiza Silvia CHIRIAC, Dumitru T. MURARIU	REVIEW OF EX-SITU RESEARCH METHODS REGARDING THE PLANT – SOIL FAUNA RELATIONSHIP
09:30 – 09:45	Pavlina NASKOVA, Boyka MALCHEVA, Dragomir PLAMENOV, Dimitar NIKOLOV	EFFECT OF CORIANDER ( <i>Coriandrum</i> <i>sativum</i> L.) ESSENTIAL OIL CULTURE ON SOIL BIOGENICITY AND DETERMINATION OF ITS ANTIMICROBIAL ACTIVITY AGAINST <i>Escherichia coli</i>
09:45 – 10:00	Nicolae IONESCU, Oana Daniela BADEA, Diana Maria POPESCU, Mariana Cristina NICOLAE	DRY PERIODS INFLUENCE UPON MORPHOLOGICAL CHARACTERS OF TURDA 248 MAYZE HYBRID COBS
10:00 – 10:15	Oana Daniela BADEA, Diana Maria POPESCU, Nicolae IONESCU, Cristina Mariana NICOLAE	INFLUENCE OF CaCO <sub>3</sub> WORDINGS BY NP DOSES ON SOYBEAN YIELDS
10:15 – 10:30	Iryna HASANOVA, Marharyta YERASHOVA, Nataliia NOZDRINA, Oleksandr PEDASH, Alla KULYK	EFFICIENCY OF WINTER WHEAT CULTIVATION AFTER SPRING BARLEY IN THE NORTHERN STEPPE OF UKRAINE

Time	Authors	Paper Title
10:30 – 10:45	Diane YIMTA YOUNBI, Pierre EKE, Vanessa NYA DINANGO, Beatrice IACOMI	BIOLOGICAL POTENTIAL OF ENDOPHYTIC BACTERIA AGAINST LATE BLIGHT CAUSED BY PHYTOPHTORA INFESTANS (MONT. DE BARRY) ON TOMATO ( <i>Solanum lycopersicum</i> L.)
10:45 – 11:00	<i>Discussions</i>	
11:00 – 11:30	<i>Coffee break - Third Floor, Central Hall</i>	

### SESSION 3

**Time: 11:30 – 13:30**

*Building A - Faculty of Agriculture*

*Third Floor, Gheorghe Ionescu-Șișești Amphitheatre*

**Session Moderators:** *Prof. Dr. Doru Ioan MARIN*  
*Lecturer Mirela Elena DUȘA*

Time	Authors	Paper Title
11:30 – 11:40	Marilena ONETE, Luiza-Silvia CHIRIAC, Roxana-Georgiana NICOARĂ, Florian Paul BODESCU, Minodora MANU	<i>Agrostis capillaris</i> L. – A REVIEW OF THE DISTRIBUTION, CHARACTERISTICS, ECOLOGICAL AND AGRONOMIC ASPECTS AND USAGE
11:40– 11:50	Vladimir ROTARU, Vladimir TODIRAȘ	EFFECTS OF BIOPESTICIDE CARBECOL, FUNECOL AND BIOFERTILIZER ECOLIT ON PHOTOSYNTHETIC PIGMENTS AND HYDROGEN PEROXIDE CONTENTS IN TOMATO ( <i>Solanum lycopersicum</i> L.) PLANTS
11:50 – 12:00	Raisa VOZHEHOVA, Tetiana MARCHENKO, Yurii LAVRYNENKO, Olena PILIARSKA, Viktor SHARII, Vira BOROVIK, Andrii TYSHCHENKO, Liubov KOBYZIEVA, Olga GORLACHOVA, Serhii MISHCHENKO	MODELS OF QUANTITATIVE ASSESSMENT OF THE INFLUENCE OF ELEMENTS OF TECHNOLOGY ON SEED YIELD OF PARENTAL COMPONENTS OF MAIZE HYBRIDS UNDER IRRIGATION CONDITIONS



Time	Authors	Paper Title
12:00 – 12:10	Georgiana-Andreea IGNAT, Mirela DUȘA, Nicoleta VRÎNCEANU	BIOWASTE COMPOST – AN ALTERNATIVE SOURCE OF NUTRIENTS FOR AGRICULTURAL CROPS
12:10 – 12:20	Vladyslava FOMENKO, Alla KAZIUTA	INFLUENCE OF BIODESTRUCTOR ON DECOMPOSITION OF CROP RESIDUES AND HUMUS CONDITION OF TYPICAL CHERNOZEM
12:20 – 12:30	Oleksandr KAZIUTA, Alla KAZIUTA, Nataliia PALAMAR	REDOX REGIME OF ALLUVIAL SOILS IN THE SIVERSKY DONETS BASIN
12:30 – 12:40	Cristinel FERTU, Zanet VITALII, Daniela Lavinia BALASAN, Silviu STANCIU, Daniela NENCIU (COADA), Raluca-Beatrice COSTEA (VOINEA)	THE IMPACT OF MONITORING THE STATE OF VEGETATION OF LAVENDER CROPS USING ANALYSIS DRONES
12:40 – 12:50	Alina ȘIMON, Adrian CECLAN, Voichița HAȘ, Andrei VARGA, Florin RUSSU, Felicia CHEȚAN, Marius BĂRDAȘ	EVALUATION OF THE IMPACT OF SOWING SEASON AND WEATHER CONDITIONS ON MAIZE YIELD
12:50 – 13:00	Anișoara Claudia DUMA COPCEA, Casiana Doina MIHUȚ, Lucian Dumitru NIȚĂ, Daniela Nicoleta SCEDEI, Okros DALBERT, Sorin BUNGESCU, Lia Sanda ROTARIU, Constanța Corina ȘÎRBU	STUDIES ON THE DYNAMICS OF THRESHING APPLIANCES OF CEREAL HARVESTING COMBINES
13:00 – 13:10	Thobile Perseverance MKHWANAZI, Rivoningo UBISI, Mmagadima SEBATI, Zakheleni DUBE, Terence SUINYUY, Abby MASENYA	SYMBIOTIC PLANT GROWTH-PROMOTING MICROORGANISMS ASSOCIATED WITH CACER BUSH IN LIMPOPO PROVINCE
13:10 – 13:30	<i>Final Discussions and Concluding Remarks</i>	
13:30 – 14:30	<i>Lunch – Third Floor, Central Hall</i>	

## POSTER SESSION

Time: 8:00 – 17:30

Building A - Faculty of Agriculture; Third Floor – Central Hall

**Session Moderators: Assoc. Prof. Dr. Adrian Gheorghe BĂȘA**  
**Lecturer Dr. Mihaela NICHITA**

No.	Authors	Paper Title
<b>SOIL SCIENCES</b>		
1.	Angela Cristina AMUZA, Leonard ILIE	RESEARCH ON EARTHWORM COMMUNITY IN MAIZE CROP IN DOBROGEA PLATEAU
2.	Octavian BERCHEZ, Olimpia Smaranda MINTAȘ, Alina Ștefania STANCIU	THE DEGRADATION OF THE FERTILITY POTENTIAL OF THE SOILS IN THE CRISURILOR PLAIN
3.	Zamble Bi Irie Abel BOLI	STUDY OF THE PATHOGENICITY OF FUNGAL CONTAMINANTS ON GROUNDNUT SEEDS ( <i>Arachis hypogaea</i> L.) -
4.	Valerian CERBARI, Tamara LEAH	ALLUVIAL SOILS OF THE LOWER DNIESTER MEADOW - GENETIC FEATURES AND CLASSIFICATION PRINCIPLES
5.	Olesea COJOCARU, Sergiu STANILĂ	THE STATE AND PROTECTION OF LAND RESOURCES AND DEPOSITS IN THE LEOVA DISTRICT
6.	Olesea COJOCARU, Alexandru VERBIȚCHI	EXPLOITATION OF AGRICULTURAL LAND - RESULT OF THE INTENSIFICATION OF LAND SUBJECT TO DEGRADATION IN THE NISPORENI DISTRICT
7.	Andriana DANILOV, Irina SENICOVSCAIA	<i>Lumbricidae</i> FAMILY IN BROWN FOREST SOILS: ABUNDANCE, BIOMASS, PROFILE DISTRIBUTION
8.	Andrei DANILOV, Irina SENICOVSCAIA	ABUNDANCE AND DIVERSITY OF <i>Carabidae</i> FAMILY IN SOILS OF THE REPUBLIC OF MOLDOVA

No.	Authors	Paper Title
9.	Yurii DEHTIAROV	FORMATION OF SOIL STRUCTURE OF CHERNOZEMS IN DIFFERENT AGROECOSYSTEMS
10.	Ilie Cătălin DINUȚĂ, Doru Ioan MARIN	RESEARCH ON THE INFLUENCE OF THE CONSERVATIVE TILLAGE SYSTEM ON MAIZE CULTURE, AN AGROTECHNICAL AND ECONOMIC ALTERNATIVE FOR SUSTAINABLE AGRICULTURE, UNDER THE CONDITIONS OF A.R.D.S. PITESTI - ALBOTA
11.	Marina Alina DRAGOTA, Stefana JURCOANE	DEVELOPMENT OF A BIOFERTILIZATION TECHNOLOGY BASED ON MYCHORIZAE
12.	Andrei-Mihai GAFENCU, Andreea-Mihaela FLOREA, Florin-Daniel LIPȘA, Eugen ULEA	INFLUENCE OF CROP SPECIES ON SOIL MICROBIAL ABUNDANCE AND DIVERSITY
13.	Andrei-Mihai GAFENCU, Andreea-Mihaela FLOREA, Florin-Daniel LIPȘA, Eugen ULEA	INFLUENCE OF DIFFERENT AGRICULTURAL MANAGEMENT PRACTICES ON SOIL MICROBIOME
14.	Robert Marian GHEORGHE, Cristina Mariana NICOLAE	CHARACTERISTICS OF SOME NEW VARIETIES AND LINES OF WHEAT UNDER THE YEAR 2021-2022 CONDITIONS
15.	Goji GYŐZŐ, Ioana Andra VLAD, Bartha SZILÁRD	THE CHARACTERISTICS OF THE ADSORPTIVE COMPLEX AND THE REACTION OF SOILS SUBJECTED TO HIGH ANTHROPOGENIC PRESSURE FROM THE COPȘA MICĂ AREA
16.	Gheorghe JIGĂU, Boris TURCHIN, Sergiu DOBROJAN, Tatiana CIOLACU, Galina DOBROJAN	AGRO-CLIMATOGENIC NEOHYDROMORPHISM: PLACE IN THE EVOLUTION OF ARABLE CHERNOZEMS
17.	Gheorghe JIGAU, Tatiana CIOLACU, Boris TURCHIN, Sergiu DOBROJAN, Galina DOBROJAN	COMPACTION OF ARABLE CHERNOZEMS: PEDOFUNCTIONAL AND AGROTECHNOLOGICAL CONSIDERATIONS

No.	Authors	Paper Title
18.	Svetla KOSTADINOVA	CONTENT OF MACRONUTRIENTS OF MALTING BARLEY IN DEPENDENCE OF NITROGEN NUTRITION LEVEL
19.	Tamara LEAH, Goshgar MAMMADOV, Turan MAMMADOV	LEACHING OF THE BASIC NUTRIENTS FROM IRRIGATED SOILS OF THE DRY SUBTROPICAL ZONE OF AZERBAIJAN
20.	Nicoleta MARIN, Paul KURTINETZ, Carmen SIRBU, Patrick URSAN, Lavinia BURTAN	THE EFFECTS OF THE APPLICATION OF ORGANIC AND MINERAL FERTILIZERS IN LONG-TERM EXPERIMENTS
21.	Nicoleta MARIN, Dumitru MIHAIL, Sirbu CARMEN	MODIFICATION OF THE LIMIT VALUES FOR SOIL LOADING WITH PETROLEUM HYDROCARBONS – A REVIEW
22.	Casiana MIHUȚ, Anișoara DUMA COPCEA, Lucian NIȚĂ, Adalbert OKROS, Simona NIȚĂ, Daniel POPA, Vlad MIRCOV, Corina SÎRBU	ECONOMIC EFFICIENCY OF SOILS FROM BANAT'S VINEYARDS
23.	Irina-Ramona MORARU, Andrei VRÎNCEANU, Mihaela LUNGU, Anca-Rovena LĂCĂTUȘU	BIOFORTIFICATION OF MAIZE WITH ZINC
24.	Iulian Bogdan MUȘAT, Valentina Mihaela VASILE, Mircea MIHALACHE	INFLUENCE OF APPLIED TECHNOLOGIES ON THE PHYSICO-CHEMICAL PROPERTIES OF SOILS IN PERIȘORU AREA, CĂLĂRAȘI COUNTY
25.	Sorina NIȚU (NASTASE), Răzvan-Damian NIȚU, Emilia CONSTANTINESCU	RESEARCHERS ON THE INFLUENCE OF THE SOWING TIME ON THE BIOLOGY AND CULTIVATION TECHNOLOGY OF THE <i>Dracocephalum moldavica</i> SPECIES, UNDER THE CONDITIONS OF INCDSCZ BRASOV
26.	Yuriy OLIFIR, Anna HABRYEL, Oleh HAVRYSHKO, Tetiana PARTYKA, Hryhoriy KONYK, Nadiia KOZAK	THE INFLUENCE OF LONG-TERM ANTHROPOGENIC LOAD ON THE MIGRATION OF MOBILE ALUMINUM COMPOUNDS, PHYSICAL AND CHEMICAL PROPERTIES OF ALBIC STAGNIC LUVISOL

No.	Authors	Paper Title
27.	Maria JOIȚA-PĂCUREANU, Gabriel POPESCU, Luxița RÎȘNOVEANU, Laurențiu CIORNEI, Ancuța BĂRBIERU, Daniela OPREA, Daniela TRIFAN, Claudia DUNĂREANU, Victor PETCU	SUNFLOWER AND SOYBEAN CROPS CULTIVATED IN A MIXED INTERCROPPING SYSTEM, IN THE 2022
28.	Irina PLISKO, Tatiana BYNDYCH	MODERN APPROACHES FOR THE IMPLEMENTATION OF BACKGROUND SOIL MONITORING
29.	Daniela RĂDUCU, Anca-Rovena LĂCĂTUȘU, Irina CALCIU, Alina GHERGHINA, Alexandrina MANEA, Olga VIZITIU	THE DEGREE OF DEPENDENCY OF SOIL ECOSYSTEM SERVICES ON THE SOIL MICROBIOTA ACTIVITY
30.	Valentina SAMOKHVALOVA, Victor BUBLYK, Yana POGROMSKA	SMARAGD AS NEW CHELATED- GUMATIC PREPARATION FOR IMPROVING THE ENVIRONMENTAL STATE OF THE SOIL - PLANT SYSTEM
31.	Irina SENICOVSCAIA, Andriana DANILOV, Andrei DANILOV	MICROBIAL BIOMASS IN FOREST SOILS OF NATURAL AND AGRICULTURAL ECOSYSTEMS
32.	Yevhen SKRYLNYK, Kateryna ARTEMIEVA, Iryna KHYZHNIK	CURRENT APPROACHES TO CARBON MANAGEMENT FOR INCREASING ITS BUDGET IN SOILS
33.	Krasimir TRENDABILOV, Violeta VALCHEVA, Mladen ALMALIEV, Nedialka YORDANOVA	SPATIAL DISTRIBUTION OF PHOSPHORUS ON THE SOIL CATENA OF CHROMIC CAMBISOLS COMPLEX
34.	Ioana Andra VLAD, Goji GYOZO, Szilard BARTHA	SUPPLY AND DISTRIBUTION DEGREE OF SOME MACRONUTRIENTS IN SOILS POLLUTED WITH HEAVY METALS NEARBY THE CITY OF COPȘA MICĂ
35.	Cristinel Relu ZALĂ, Mali-Sanda MANOLE, Rada ISTRATE, Emilia CIOCOIU, Daniel ȚURCAN	PRELIMINARY RESEARCH ON SOIL MICROFLORA AND MACROFAUNA IN THE EXPERIMENTAL FIELD MOARA DOMNEASCĂ

No.	Authors	Paper Title
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### CROP SCIENCES

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| 1. | Lorena ADAM,<br>Manuela HERMEZIU,<br>Andreea TICAN   | PRODUCTIVITY OF SOME ROMANIAN POTATO VARIETIES IN THE AGROCLIMATIC CONTEXT OF THE BÂRSA COUNTRY  |
| 2. | Florin Gabriel ANTON,<br>Laura CONTESCU,<br>Luxița RÎȘNOVEANU,<br>Maria JOIȚA- PĂCUREANU,<br>Daniela OPREA, Mihaela ȘERBAN | SUNFLOWER GENOTYPES IN FIELD INFESTED WITH BROOMRAPE IN BRAILA LOCATION, IN YEAR 2022  |
| 3. | Andrei BĂNICĂ,<br>Doru Ioan MARIN  | THE INFLUENCE OF SOIL TILLAGE SYSTEM AND FERTILIZATION ON THE DEVELOPMENT AND YIELD OF GRAIN SORGHUM IN THE CONDITIONS OF SĂRĂȚENI, IALOMIȚA                         |
| 4. | Teodora BARAKOVA,<br>Grozi DELCHEV   | SELECTIVITY AND STABILITY OF SOME HERBICIDES FOR ANNUAL GRAMINACEOUS WEED CONTROL APPLIED DURING STEM ELONGATION STAGE OF DURUM WHEAT ( <i>Triticum durum</i> Desf.) |
| 5. | Alexei BIVOL, Serghei BĂDĂRĂU,<br>Elena IURCU-STRĂISTARU,<br>Ion TODERAȘ,<br>Natalia CÎRLIG, Eliza BIVOL                   | RESEARCH ON TESTING NEW REMEDIES WITH SYSTEMIC FUNGICIDAL ACTION IN THE CHEMICAL MANAGEMENT OF WINTER WHEAT, CENTRAL AREA, REPUBLIC OF MOLDOVA                       |
| 6. | Letiția Adriana BOCOȘ,<br>Antonia ODAGIU,<br>Camelia OROIAN,<br>Cristian IEDERAN,<br>Petru BURDUHOS                        | PRODUCTION AND SUGAR CONTENT OF FOUR SUGAR BEET HYBRIDS FUNCTION OF ENVIRONMENTAL TEMPERATURE, PRECIPITATIONS AND AGRICULTURAL KEY INPUTS                            |
| 7. | Elena BONCIU,<br>Elena ROȘCULETE,<br>Gabriela PĂUNESCU,<br>Cătălin Aurelian ROȘCULETE,<br>Rodica SOARE                     | RESULTS REGARDING VARIABILITY OF PRODUCTION AND SOME ELEMENTS OF PRODUCTIVITY TO FOUR PEA ( <i>Pisum sativum</i> ) GENOTYPES AT DIFFERENT SOWING TIMES               |

No.	Authors	Paper Title
8.	Dorina BONEA, Mihai CICHI	SEED GERMINATION AND EARLY SEEDLING GROWTH OF PEA <i>Pisum sativum</i> L.) IN RESPONSE TO SEED PRIMING
9.	Tatyana BOZHANSKA, Magdalena PETKOVA, Biser BOZHANSKI, Minko ILIEV	CRUDE PROTEIN YIELD AND ENERGY NUTRITIONAL VALUE OF FODDER OF PERENNIAL GRASS MIXTURES
10.	Biser BOZHANSKI, Minko ILIEV, Magdalena PETKOVA, Tatyana BOZHANSKA	IMPACT OF CONVENTIONAL AND ORGANIC FERTILIZATION ON THE QUALITY AND NUTRITIONAL VALUE OF DEGRADED MOUNTAIN PASTURES
11.	Liana Dănuța BUTTA, Alina NEACȘU, Laura Iosefina SMULEAC, Raul PASCALAU, Florin IMBREA, Ștefan Laurențiu BĂTRÎNA, Ilinca Merima IMBREA	ANTIFUNGAL AND ANTI-MYCOTIC PROPERTIES OF ESSENTIAL OILS EXTRACTED FROM DIFFERENT PLANTS ON PATHOGENIC FUNGI THAT BIOSYNTHESIZE MYCOTOXINS
12.	Ciprian BUZNA, Marinel Nicolae HORABLAGA, Florin SALA	STUDY ON SUNFLOWER PRODUCTION ESTIMATION BASED ON AERIAL IMAGES (UAV)
13.	Alin CARABET, Ioana GROZEA, Dan MANEA, Otilia COTUNA, Ramona ȘTEF, Daniela SCEDEI	<i>Pyrenophora teres</i> , HOST-PATHOGEN INTERACTION IN BARLEY UNDER SOME SEED TREATMENT CONDITIONS
14.	Mihaela CIOLOCA, Andreea TICAN, Monica POPA, Nina BĂRĂSCU, Carmen Liliana BĂDĂRĂU, Valentina ȘERBAN	EVALUATION OF TUBER YIELD AND CULINARY QUALITY FOR TRUE POTATO SEED GENOTYPES GROWN UNDER DROUGHT STRESS FIELD CONDITIONS
15.	Valentin-Marius CIONTU, Daniel JALOBĂ, Raluca Monica CRISTEA, Marga GRĂDILĂ	THE EFFICACY OF A FUNGICIDE MIXTURE IN CONTROLLING BLACK LEG AND STEM ROT IN WINTER OILSEED RAPE
16.	Natalia CÎRLIG, Elena IURCU-STRĂISTARU, Victor ȚÎȚEL, Serghei COZARI, Ana GUȚU, Alexandru TELEUȚĂ, Alexei BIVOL	ASSESSMENT OF THE SPECIFIC DISEASES IN <i>Reynoutria sachalinensis</i> (F. Schmidt) NAKAI UNDER THE INFLUENCE OF ENVIRONMENTAL CONDITIONS OF THE REPUBLIC OF MOLDOVA

No.	Authors	Paper Title
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19.	Zinaida DEHTIAROVA, Sergii KUDRIA, Yurii DEHTIAROV, Nadiia KUDRIA	INFLUENCE OF SATURATION OF SHORT-TERM CROP ROTATIONS WITH SUNFLOWER ON SOME AGROPHYSICAL PARAMETERS OF TYPICAL CHERNOZEM
20.	Vanya DELIBALTOVA, Velika KUNEVA, Manol DALLEV, Dimitar RAZPOPOV, Svetlana MANHART, Ivan YORDANOV	COMPARATIVE STUDY OF PRODUCTIVE AND QUALITY INDICATORS OF WHEAT VARIETIES IN NORTH - EASTERN BULGARIAN REGION
21.	Milica DIMA, Reta DRĂGHICI, Gheorghe COTEȚ, Florentina NETCU, Maria-Florentina BĂJENARU	RESEARCH ON THE INFLUENCE OF HARVEST TIME ON YIELD IN GROUNDNUTS GROWN ON SANDY SOILS
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23.	Valentina DIMITROVA, Minka KOLEVA	INHERITANCE AND COMBINING ABILITY FOR FIBER LENGTH IN F <sub>1</sub> DIALLEL COTTON CROSSES ( <i>Gossypium hirsutum</i> L.)
24.	Reta DRĂGHICI, Milica DIMA, Alina Nicoleta PARASCHIV, Maria Florentina BĂJENARU, Cristina BÎRSOGHE	THE BEHAVIOR OF SOME LOCAL AND FOREIGN COWPEA GENOTYPES IN THE CONDITIONS OF CLIMATE CHANGES IN THE SOUTH OF OLTENIA
25.	Stanimir ENCHEV, Tzvetan KIKINDONOV	BREEDING OF THE FIRST BULGARIAN VARIETY OF SWEET SORGHUM SHUMEN SWEET



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