



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
- Marin DUMBRAVĂ – University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania
- Mihail DUMITRU – Research and Development Institute for Soil Science, Agro-chemistry 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 – “King Mihai I of Romania” Banat University of Agricultural Sciences and Veterinary Medicine of Timișoara, 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 JIȚĂREANU – „Ion Ionescu de la Brad” University of Agricultural Sciences and Veterinary Medicine of Iași, Romania
- Maria JOIȚA-PĂCUREANU – National Agricultural Research and Development Institute Fundulea, Romania
- Yalcin KAYA – Trakya University, Plant Breeding Research Center, Turkey
- 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

- Mihai NICOLESCU – „Gheorghe Ionescu-Șișești” Academy of Agricultural and Forestry Sciences, 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
- Françoise PICARD-BONNAUD – University of Angers, France
- Teodor ROBU – „Ion Ionescu de la Brad” University of Agricultural Sciences and Veterinary Medicine of Iași, Romania
- 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 Cluj-Napoca, Romania
- Dumitru Ilie SĂNDOIU – University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania
- Philippe SIMONEAU – University of Angers, France
- Gheorghe SIN – „Gheorghe Ionescu-Șișești” Academy of Agricultural and Forestry Sciences, Romania
- 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

Agronomy Section Rapporteur:

Prof. Dr. Mircea MIHALACHE

Prof. Dr. Costică CIONTU

Venue:

University of Agronomic Sciences and Veterinary Medicine of Bucharest
Faculty of Agriculture, Building A (University Main Building)

THURSDAY, 6TH OF JUNE, 2019

*Building A - Faculty of Agriculture
Ground Floor, P.S. Aurelian Aula Magna*

- 14:30 – 14:40 *Conference Section Opening*
- 14:40 – 16:30 *Session 1*
- 16:30 – 17:00 *Coffee break - Ground Floor, Central Hall*
- 17:00 – 18:00 *Posters display and viewing – Ground Floor, Soil Sciences; First Floor*
- 19:30 – 21:30 *Official Gala Dinner – Cultural Event (Ceres Restaurant, USAMV Campus)*

SESSION 1

Time: 14:40 – 16:30

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

Time	Authors	Paper Title
14:40 – 15:00	Renata KONGOLI, Luziana HOXHA, Gheorghe Valentin ROMAN, Maria TOADER, Petros CHONDROS, Vassiliki CHATZIPETROU	The importance of sustainable food production systems in helping to face today challenges in agricultural production and rural development
15:00 – 15:20	Daniel ALEXANDRU, Elena MATEESCU, Rodica TUDOR, Ilie LEONARD	Analysis of agroclimatic resources in Romania in the current and foreseeable climate change - concept and methodology of approaching
15:20 – 15:40	Dumitru MANOLE, Vasile JINGA, Marga GRĂDILĂ, Ioan RADU, Stefan IORDACHE, Sergiu SOARE	Edition on sunflower crop – Romanian technology under climate change conditions in Dobrogea

Time	Authors	Paper Title
15:40 – 16:00	Kevin SHUTTLEWORTH, Lancelot BUTTERS, Ian TAYLOR	An investigation regarding the effects of acceleration produced by cabin suspension systems fitted to agricultural tractors upon the operator, in terms of operator health
16:00 – 16:20	Emil GEORGESCU, Maria TOADER, Lidia CANĂ, Luxița RÎȘNOVEANU	Researches concerning european corn borer (<i>Ostrinia nubilalis</i> BBN) control, in South-East of the Romania
16:20 – 16:30	<i>Discussions</i>	
16:30 – 17:00	<i>Coffee break - Ground Floor, Central Hall</i>	
17:00 – 18:00	<i>Posters display and viewing – Ground Floor, Soil Sciences; First Floor</i>	
19:30 – 21:30	<i>Official Gala Dinner – Cultural Event (Ceres Restaurant, USAMV Campus)</i>	

FRIDAY, 7TH OF JUNE, 2019

Building A - Faculty of Agriculture

08:00 – 09:00	<i>Arrival and registration of participants – Third Floor, Central Hall Poster display and viewing – Ground Floor, Soil Sciences; First Floor</i>
09:00 – 11:00	<i>Session 2 – Third Floor, Gheorghe Ionescu-Șișești Amphitheatre Session 3 – Third Floor, A.III.134</i>
11:00 – 11:30	<i>Coffee break – Third Floor, Central Hall</i>
11:30 – 13:30	<i>Session 4 – 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. Aurelian PENESCU
Assoc. Prof. Dr. Nicoleta Alina UDROIU

Time	Authors	Paper Title
09:00 – 09:12	Andrei MOȚ, Roxana Maria MADJAR, Mircea MIHALACHE	Spatial distribution of heavy metals in agricultural soils of Romania: review of the current situation
09:12 – 09:24	Vladimir FILIPCIUC, Iurie ROZLOGA, Olessea COJOCARU, Lilia BOAGHE	Study of pedogenetic processes in soils long irrigated - monitoring and projecting their evolution
09:24 – 09:36	Daniel DUNEA, Ștefania IORDACHE, Virgil IORDACHE, Larisa PURCOI, Laurențiu PREDESCU	Monitoring of the evapotranspiration processes in riparian grasslands
09:36 – 09:48	Elena DELEANU, Monica IONESCU, Dora LUCACI	The characterisation of forest soils from Ialomița County
09:48 – 10:00	Elena DELEANU, Monica IONESCU, Maria DINCĂ	Describing the <i>Ranunculus</i> genus based on the plants present in Alexandru Beldie Herbarium
10:00 – 10:12	Vladimir ROTARU	Rhizobacteria effects on photosynthetic pigments and nitrogen contents of soybean plants cultivated under low phosphorus and water limited conditions
10:12 – 10:24	Attila TAMÁȘ, Nicoleta VRÎNCEANU, Mirela Elena DUȘA, Vasilica STAN	Steps in organic fraction of municipal solid waste composting and compost quality evaluation
10:24 – 10:36	Lucian-Constantin HARAGA, Lizica SZILAGYI	The effects of micro-granulated fertilization on pollination and yield of hybrid seed corn

Time	Authors	Paper Title
10:36 – 10:48	Valerian CERBARI, Olesea COJOCARU	Evaluation of quality amendments in ordinary chernozem after incorporation in the soil a harvest of intermediate culture the vetch as a green mass
10:48 – 11:00	<i>Discussions</i>	
11:00 – 11:30	<i>Coffee break - Third Floor, Central Hall</i>	

SESSION 3

Time: 09:00 – 11:00

Building A - Faculty of Agriculture

Third Floor, A.III.134

Session Moderators: *Prof. Dr. Marin DUMBRAVĂ*
Prof. Dr. Ionela DOBRIN

Time	Authors	Paper Title
09:00 – 09:12	Ioannis ROUSSIS, Antigolena FOLINA, Ioanna KAKABOUKI, Varvara KOUNELI, Stella KARIDOGIANNI, Maria CHRONI, Dimitrios BILALIS	Effect of organic and inorganic fertilization on yield and yield components of Teff (<i>Eragrostis tef</i> (Zucc.) Trotter) cultivated under mediterranean semi-arid conditions
09:12 – 09:24	Antigolena FOLINA, Ioannis ROUSSIS, Varvara KOUNELI, Ioanna KAKABOUKI, Stella KARIDOGIANNI, Dimitrios BILALIS	Opportunities for cultivation of medical cannabis (<i>Cannabis sativa</i> L.) in Greece
09:24 – 09:36	Edward MUNTEAN, Camelia URDĂ, Alina SIMON, Raluca REZI	Quality parameters and grain yields of soybean varieties produced at ARDS Turda: a chemometric approach
09:36 – 09:48	Reşat ESGİCİ, F. Göksel PEKİTKAN, Abdullah SESSİZ	Shear force and energy requirement of rice stem
09:48 – 10:00	Asli TOKYOL, Ece TURHAN	Heat stress tolerance of some green bean (<i>Phaseolus vulgaris</i> L.) genotypes

Time	Authors	Paper Title
10:00 – 10:12	Halil BOLU, Hasan MARAL	An evaluation about orthoptera (<i>Acridoidea</i>) species determined in Southeastern Anatolia Region
10:12 – 10:24	Halil BOLU, Vedat KARACA, Hasan MARAL	An evaluation about orthoptera (<i>Grylloidea</i> , <i>Pyrgomorphoidea</i> , <i>Tettigonioidea</i>) species determined in Southeastern Anatolia Region
10:24 – 10:36	Nicolae IONESCU, Aurelian PENESCU, Mihaela Ioana GEORGESCU	Aspects of winter wheat hybrid-variety by morphological characters
10:36 – 10:48	Nicolae IONESCU, Aurelian PENESCU, Marian Robert GHEORGHE	Aspects of barley physiology treated with <i>ALS</i> herbicides
10:48 – 11:00	<i>Discussions</i>	
11:00 – 11:30	<i>Coffee break - Third Floor, Central Hall</i>	

SESSION 4

Time: 11:30 – 13:30

Building A - Faculty of Agriculture

Third Floor, Gheorghe Ionescu-Șișești Amphitheatre

Session Moderators: *Prof. Dr. Stelica CRISTEA*
Assoc. Prof. Dr. Lizica SZILAGYI

Time	Authors	Paper Title
11:30 – 11:45	Victor ȚÎȚEL, Sergiu COȘMAN	Some biological features and biomass quality of <i>Sorghum almum</i> under the conditions of Moldova
11:45 – 12:00	Victor ȚÎȚEL	Evaluation of the biomass quality of cardoon, <i>Cynara cardunculus</i> , and prospects of its use in Moldova

Time	Authors	Paper Title
12:00 – 12:15	Mihaela Ioana GEORGESCU, Nicolae IONESCU, Aurelian PENESCU, Florentina Cezarina VRABIE, Elena SĂVULESCU, Vasilica LUCHIAN, Vlad Ioan POPA	Some observations on the morphology and germination of <i>Bromus secalinus</i> L. caryopsis
12:15 – 12:30	Nadire Pelin BAHADIRLI, Filiz AYANOĞLU	Preliminary results: assessment of new salvia chemotypes for herbal tea industry by hybridization
12:30 – 12:45	Hassan Huseyin OZTURK, Zinnur GOZUBUYUK, Mesut C. ADIGUZEL	Comparison of energy consumption in cultivation operations for wheat production in Turkey
12:45 – 13:00	Vasilica LUCHIAN, Mihaela Ioana GEORGESCU, Elena SĂVULESCU, Vlad POPA	Some aspects of morpho-anatomical features of the invasive species <i>Eleusine indica</i> (L.) GAER
13:00 – 13:15	Assan NDIMBALLAN, Adebayo Abdulateef ODEYEMI, Serkan GURLUK	Determinants of agricultural exports performance: evidence from the Gambia
13:15 – 13:30	<i>Discussions</i>	
13:30 – 14:30	<i>Lunch – Third Floor, Central Hall</i>	

POSTER SESSION

Time: 08:00 – 16:30

Building A - Faculty of Agriculture

Session Moderators: *Prof. Dr. Doru Ioan MARIN*
Assoc. Prof. Dr. Leonard ILIE
Lecturer Dr. Adrian Gheorghe BĂŢA

Paper ID	Authors	Paper Title
SOIL SCIENCES <i>Ground Floor, Soil Sciences</i>		
1.	Valerian CERBARI	Patterns of soil formation and distribution in arid mountains of the Pamir
2.	Felicia CHEŢAN	The influence of the tillage system and the crop rotation on the soil availability in the main nutrients and the yields obtained in Turda area
3.	Simona Gabriela CIOCAN, Dragoş MOŢCO, Simina-Mirela RĂILEANU, Daniel BUCUR	Evolution of land use categories and the erosion degradation state of the agricultural lands in the Suceava County
4.	Tatiana CIOLACU, Eugeniu CIOLACU, Marina LUNGU	Site selection for manure storage facilities using GIS technologies
5.	Olesea COJOCARU	Destruction of inter-aggregate relations between particles of soil in the process of water erosion
6.	Olesea COJOCARU	Comparative evaluation of the agregative structure of ordinary chernozems with different degree of erosion from the Negrea Village
7.	Aurora DOBRIN, Andrei MOŢ, Marian MUŞAT, Roxana CICEOI, Roxana Maria MADJAR	Assessment of soil nutrients availability of an experimental field used in organic vegetable crops from Buzau County, Romania

Paper ID	Authors	Paper Title
8.	Cristian Mihai ENESCU, Lucian DINCĂ	Main characteristics of forest soils across Getic Piedmont (South-Western Romania)
9.	Vladimir FILIPCIUC, Iurie ROZLOGA, Olesea COJOCARU, Lilia BOAGHE	Study of pedogenetic processes in soils long irrigated - monitoring and projecting their evolution
10.	Viorel ILIE, Mircea MIHALACHE	Vermicompost production and its importance for soil and agricultural production
11.	Gheorghe JIGĂU, Elena TOFAN, Nina PLĂCINTĂ, Ana BÂRSAN, Cristian JIGĂU, Natalia BORȘ, Dumitrița COJOCARU, Grigore COJOCARU	Sustainability models of formation process and accumulation of humus in conditions of adaptive - landscape - ameliorative agricultural biotechnology
12.	Lucia MACRII, Rodica MELNIC, Olesea COJOCARU, Oxana POPA	The cellulolytic activity depending on soil tillage and influence of forest strip under winter wheat agrocoenoses
13.	Mihai-Avram MAXIM, Teodor RUSU, Ludger LINNEMANNSTÖNS, Ileana BOGDAN, Adrian Ioan POP, Paula Ioana MORARU, Ovidiu MAXIM	Influence of plastic mulch system on agro-climatic factors and strawberries diseases in organic system
14.	Emilian MOCANU, Ion BACEAN, Nicolai CAZMALÎ, Olesea COJOCARU, Rodica MELNIC, Oxana POPA, Maria LUPAȘCU	Evaluation of precious ecological conditions for fruit trees plantation in the middle farm field
15.	Marian MUȘAT, Vlad Ioan POPA, Iulian Bogdan MUȘAT, Roxana CICEOI	Calcaric alluvial soil characteristics at submicroscopic scale using SEM
16.	Radu OPREA, Minodora AILENEI (RADU), Daniel CUREA	Limitation of agricultural production in the River Jijia Meadow, Iasi County
17.	Nicoleta Luminița PARASCHIV, Elena Liliana CHELARIU, Mariana VOLF	Soil degradation – a primary factor in the decline of fertility and ways to recover it

Paper ID	Authors	Paper Title
18.	Szarita PASKUCZA, Rahela CARPA, Carla Andreea CULDA, Teodor RUSU	Physico-chemical parameters and enzymatic activities on tilled soils from Jibou area, Romania
19.	Vera PETROVA, Milena YORDANOVA, Tsvetelina NIKOLOVA	Evaluation of bulk density and soil water dynamics after biochar application
20.	Alin POPA, Teodor RUSU, Mirela COMAN, Alina ŞIMON, Laura ŞOPTERAN	Influence of the tillage system and foliar fertilizations on yield and <i>Fusarium</i> ear rot manifestation in maize crop in the Transilvania Plain
21.	Simina-Mirela RĂILEANU, Simona-Gabriela CIOCAN, Daniel BUCUR	Engineering measures for landslide preventing and mitigation in Rediu-Aldei area, Iasi County
22.	Teodor RUSU, Bogdan Matei DUDA, Paula Ioana MORARU, Ileana BOGDAN, Lech Wojciech SZAJDAK, Adrian Ioan POP, Mihai Avram MAXIM, Ioan Aurel CHERECHES	Agrotechnical characterization of lands from the Someşan Plateau for agricultural sustainability
23.	Victor ŞALARU, Gheorghe JIGĂU, Elena TOFAN, Sergiu DOBROJAN, Nina PLĂCINTĂ, Eugeniu CIOBANU	Pedofunctional effects induced by algalization of typical chernozem humus moderated with cyanophyta algae nitrogen fixators under irrigation
24.	Irina SENICOVSCAIA, Valerian CERBARI	Influence of <i>no-tillage</i> practices and green manure treatment on soil biota of the ordinary chernozem in the Southern zone of the Republic of Moldova
25.	Florina ŞERBAN (COJOCARU), Cristian Andrei GEORGESCU, Ciprian BOLOHAN, Costică CIONTU	The effect of some <i>ALS</i> inhibiting herbicides in chamic chernozem soil
26.	Ionut Cosmin SFETCU, Elena Loredana SFETCU, Doru Ioan MARIN	Influence of soil tillage and hybrid maturity group upon the maize grain yield from Moara Domnească - Ilfov
27.	Andrei SIURIS, Olesea COJOCARU	Supplying soil in humus application of waste from the production of alcoholic beverages

Paper ID	Authors	Paper Title
28.	Mala-Maria STAVRESCU-BEDIVAN, Gina VASILE SCĂEȚEANU, Roxana Maria MADJAR	Soil requirements and environmental considerations for pennyroyal (<i>Mentha pulegium</i> L.): a case study from Romania
29.	George TOADER, Constantin CHIURCIU, Paul CHIȚONU, Nistor MAIEREAN, Floarea BURNICHI, Constantin PETRE, Aurelia DIACONU, Milica DIMA, Leonard ILIE	Research on the action of Rom-Agrobiofertil NP biofertilizer on agricultural crops
30.	Krasimir TRENDAFILOV, Violeta VALCHEVA, Mladen ALMALIEV	Ameliorative, technical and operational solution of vineyard in the conditions of a various soil cover and complex relief
31.	Violeta VALCHEVA, Nedialka YORDANOVA, Krasimir TRENDAFILOV	Research of terrains in karnobat plain and assessment of their suitability for perennial plantation growth
32.	Ivan VELINOV, Zhivko TODOROV, Svetla KOSTADINOVA	Accumulation and distribution of dry mass and nitrogen in sorghum plants grown at different nutritional level
33.	Mihai VOEVOD, Călin Gheorghe TOPAN, Marcel DÎRJA, Maria-Olivia MOLDOVAN, Svetlana MICU, Iulia-Diana ARION	Specific investment for growing the <i>Hedera helix</i> L. variety used to improve degraded land
34.	Mariana VOLF, Nicoleta Luminița PARASCHIV, Elena Liliana CHELAR	Influence of fertilization on soil fertility and production on land affected by degradation

CROP SCIENCES

First Floor

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| 1. | Florin Gabriel ANTON,
Maria JOIȚA-PĂCUREANU,
Danil STANCIU, Luxița RÎȘNOVEANU,
Alexandru BRAN,
Eliza SAVA, Mihaela DAN | Preliminary results about experimental sunflower hybrids resistant herbicides |
| 2. | Adriana AURORI,
Elena RAKOSY-TICAN | Simple method for sunflower <i>in vitro</i> regeneration starting from meristematic tissues |

Paper ID	Authors	Paper Title
3.	Elena BONCIU, Dorina BONEA	The mitodepressive and genotoxic effect of some food colorants on the meristematic cells to <i>Allium cepa</i>
4.	Dorina BONEA, Elena BONCIU	Relationships between yield and associated traits of maize hybrids under drought stress and non-drought environments
5.	Elisa-Maria CHELBEA, Aurelia DOBRESCU, Monica BADEA, Daniela BĂLAN, Gabriela LUȚĂ, Evelina GHERGHINA	The influence of the reserve lipids content on seed germination at sunflower hybrids
6.	Steliana CLAPCO, Ion GISCA, Aliona CUCEREAVII, Maria DUCA	Analysis of yield and yield related traits in some sunflower (<i>Helianthus annuus</i> L.) hybrids under conditions of the Republic of Moldova
7.	Grozi DELCHEV	Efficacy of herbicides and herbicide combinations at maize (<i>Zea mays</i> L.)
8.	Grozi DELCHEV	Efficacy of herbicides and their tank mixtures at sunflower (<i>Helianthus annuus</i> L.)
9.	Vanya DELIBALTOVA, Manol DALLEV, Ilian ZHELYAZK	Investigation of the production possibility of early maize hybrids, cultivated for grain under non – irrigation in North-East Bulgaria
10.	Maya DIMITROVA, Nikolay MINEV, Nedyalka YORDANOVA, Violeta VALCHEVA, Mariyan YANEV	Effect of planting density of different maize hybrids on crop growth and yield
11.	Șerban Cătălin DOBRE, Doru Ioan MARIN	Rsearch regarding influence of fertilization on sunflower crops in the Southern part of Romania
12.	Cristian Laurențiu DRAGOMIR	Effect of different nitrogen doses different winter wheat production
13.	Alina FILIP (FEDOT), Doru Ioan MARIN	Grain yield of maize hybrids from different maturity groups influenced by nitrogen and phosphorus fertilisation

Paper ID	Authors	Paper Title
14.	Tonya GEORGIEVA, Plamen ZOROVSKI	Relationship between yield and grain quality in perspective winter oat lines
15.	Radko HRISTOV, Tanko KOLEV	Effect of leaf treatment products on some structural components in the yield of common wheat
16.	Paula IANCU, Marin SOARE, Ovidiu PĂNIȚĂ	Comparative study concerning the variability of few quantitative characters of some new wheat germplasm
17.	Radka IVANOVA, Zhivko TODOROV	Influence of foliar fertilization on the phenological development of rapeseed
18.	Tanko KOLEV, Zhivko TODOROV, Zhanar ERALIEVA	Influence of growth regulators on the durum wheat yield
19.	Svetla KOSTADINOVA, Zhivko TODOROV, Ivan VELINOV	Grain protein of sorghum depending on nitrogen rates
20.	Roxana Maria MADJAR, Gina VASILE SCĂEȚEANU, George Mădălin MIHĂILĂ	Impact of preceding crop and variety on grain yield and quality parameters in winter wheat cultivated in Dâmbovița County
21.	Andreea-Mădălina MALANCU, Gheorghe ȘTEFANIC, Costică CIONTU	Fertilization of sweet sorghum with compost from waste wool
22.	Traian MANOLE	Review of molecular identification of species with DNA barcoding tool
23.	Ivan MANOLOV, Yonko STAMENOV, Nely VALEVA, Margarita NIKOLOVA, Svetla KOSTADINOVA	Yield and nutrient use efficiency of field crops grown in the Region of Sadievo, South Bulgaria
24.	Nikolay MINEV, Nedialka YORDANOVA, Maya DIMITROVA, Mladen ALMALIEV	Agrochemical study on maize (<i>Zea mays</i> L.) grown under different variants of nitrogen fertilization
25.	Viorel MIRCEA, Celzin AEDIN, Doru Ioan MARIN	Researches about the influence of the hybrid and the irrigation regime on the size features of the maize cob

Paper ID	Authors	Paper Title
26.	Anyo MITKOV, Mariyan YANEV, Nesho NESHEV, Miroslav TITYANOV, Tonyo TONEV	Herbicide control of the weeds in maize (<i>Zea mays</i> L.)
27.	Mihaela NICHITA, Ciprian BOLOHAN, Costică CIONTU, Aurelian PENESCU, Mihai GÎDEA, Tudor ŞCHIOPU, Costel MIHALAŞCU, Mădălin RADU	Maize yield recorded in rainfed conditions of Southeastern Romania as influenced by fertilization rates and hybrid
28.	Galia PANAYOTOVA, Svetla KOSTADINOVA	Macronutrients concentration in durum wheat varieties grown at different nitrogen rates
29.	Elena PETCU, Matilda CIUCĂ, Daniel CRISTINA, Cătălin LAZĂR, Steliana BARBU	Use of growth angle of seminal roots as trait to improve the drought tolerance in winter wheat (<i>Triticum aestivum</i> L.)
30.	Eugen PETCU, Liliana VASILESCU, Viorel ION	Barley varieties created and registered in Romania during 1921-2018 period
31.	Victor PETCU, Ion TONCEA	Identification of variability in vegetative growth of some winter wheat varieties under ecological agriculture with NDVI
32.	Florentina SAUCĂ, Florin Gabriel ANTON	New sources for genetic variability with resistance at drought obtained by interspecific hybridization between cultivated sunflower and the annual wild species <i>Helianthus argophyllus</i>
33.	Atanas SEVOV, Lyubka KOLEVA-VALKOVA, Adelina HARIZANOVA	Productivity and quality parameters on perspective alfalfa varieties in sandy soil conditions
34.	Aleksandra STANOJKOVIĆ-SEBIĆ, Zoran DINIĆ, Stevan ČANAK, Jelena MAKSIMOVIĆ, Radmila PIVIĆ	Chemical composition and yield of swiss chard as influenced by metallurgical slag and fish fertilizer addition to marginal soil
35.	Antoniya STOYANOVA, Gancho GANCHEV, Velika KUNEVA	Assess of the impact of fertilization on wheat protein and energy nutrition
36.	Maria TOADER, Emil GEORGESCU, Paula Ionela NĂSTASE, Alina Maria IONESCU	Some aspects of bakery industry quality for organic and conventional wheat

Paper ID	Authors	Paper Title
37.	Zhivko TODOROV, Radka IVANOVA	Influence of sowing period and treatment with various foliar fertilizers on the productivity of rapeseed
38.	Mitka TODOROVA, Lyubka KOLEVA-VALKOVA, Zhivko TODOROV, Tanko KOLEV	Influence of leaf fertilizers on the chemical composition of the grain of solid durum
39.	Valentin-Teodor TUDORACHE, Mihai TĂLMACIU, Nela TĂLMACIU, Monica HEREA	Observations regarding the useful entomofauna of some apple orchards and cabbage crop
40.	Valentin-Teodor TUDORACHE, Mihai TĂLMACIU, Nela TĂLMACIU, Monica HEREA	Researches regarding the entomofauna of some agricultural crops from N-E Moldavia
41.	Viorica URECHEAN, Ioana Claudia BORLEANU, Florica COLĂ	Response of some corn hybrids to drought stress
42.	Mihaela-Daniela URSAN, Oana-Alina BOIU-SICUIA, Călina Petruța CORNEA	<i>Bacillus amyloliquefaciens</i> strains with biocontrol potential against <i>Fusarium</i> spp. wheat pathogens
43.	Liliana VASILESCU, Olga STAN, Eugen PETCU, Alexandrina SÎRBU, Alexandru BUDE, Victor PETCU	Seed vigour index estimation of some Romanian winter barley breeding lines
44.	Sesilia Anita WANGET, Neni ROSTINI, Agung KARUNIAWAN	Genetic diversity of local groundnut varieties based on agronomic characters
45.	Plamen ZOROVSKI, Velichka GOCHEVA	Yield and quality of grain in perspective wintering oats lines

MISCELLANEOUS

First Floor

1. Omar AL-GBURI,
Mohammed Naithel RADHI,
Ioan ROȘCA
Studies on diaporthe eres (*Phomopsis oblonga*) as a new pathogen of water hyacinth (*Eichhornia crassipes*) in Romania
2. Adelina HARIZANOVA,
Lyubka KOLEVA-VALKOVA,
Atanaska STOEVA,
Atanas SEVOV
Effect of silicon on the activity of antioxidant enzymes and the photosynthetic rate of cucumber under mite infestation

Paper ID	Authors	Paper Title
3.	Daniel JALOBĂ, Vasile JINGA, Stelica CRISTEA	Research on effectiveness of some fungicides treatments on Jonathan apple variety for apple scab control in Voinești area
4.	Andreea-Mădălina MALANCU, Gheorghe ȘTEFANIC, Costică CIONTU	Biodegradation of wool waste: theory and practical aspects
5.	Iuliana MANDRU, Marcel COSTACHE, Gabriela ȘOVĂREL, Mihaela CROITORU, Dorel HOZA, Stelica CRISTEA	Research on fruits quality of different tomato (<i>Lycopersicon esculentum</i> Mill.) cultivars in Vidra area, Ilfov County
6.	Amalia Carmen MITELUT, Elisabeta Elena POPA, Paul Alexandru POPESCU, Maria RAPA, Mona Elena POPA	Soil ecotoxicity assessment after biodegradation of some polymeric materials
7.	Mariana NICULESCU, Florin Dorian COJOACĂ	Variation of the coefficient of expansion in the turkey oak stands of Oltenia Plain from Romania
8.	Victor ȚÎȚEL, Ivan MUNTEAN, Igor PASAT, Andrei GUDÎMA	The quality of biomass and fuel pellets from <i>Jerusalem artichoke</i> stalks and wheat straw