

UNIVERSITY OF AGRONOMIC SCIENCES
AND VETERINARY MEDICINE OF BUCHAREST
FACULTY OF AGRICULTURE

The International Conference
“Agriculture for Life, Life for Agriculture”

CONFERENCE PROGRAMME
SECTION 1. AGRONOMY

June 5 – 7, 2014

BUCHAREST

The third edition of the International Conference
"Agriculture for Life, Life for Agriculture"

June 5 - 7, 2014, Bucharest, Romania

Organized by:



University of Agronomic Sciences and
Veterinary Medicine of Bucharest

In collaboration with:



MINISTERUL
EDUCAȚIEI
NAȚIONALE

Ministry of National Education (Romania)



Ministry of Agriculture and Rural Development
(Romania)



Academy of Agricultural and Forestry Sciences
(Romania)



Romanian Academy

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- Teodor RUSU – Faculty of Agriculture, USAMV Cluj-Napoca, Romania
- Dumitru Ilie SANDOIU – Faculty of Agriculture, USAMV Bucharest, Romania
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VENUE

University of Agronomic Sciences and Veterinary Medicine of Bucharest

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CONFERENCE PROGRAMME

Day 1 – Thursday, 05 June 2014

Venue: *University of Agronomic Sciences and Veterinary Medicine of Bucharest*
Building P

08:00 – 09:00	Registration of participants	Ground floor, Main hall
09:00 - 10:30	PLENARY SESSION I Opening	First Floor, P.33
Welcome by	Sorin Mihai CÎMPEANU , <i>Rector, University of Agronomic Sciences and Veterinary Medicine of Bucharest</i>	
Opening Address	<i>Representative of Municipal Authorities</i> <i>Representative of the Minister for Higher Education, Scientific Research and Technological Development</i> <i>Representative of the Minister of Agriculture and Rural Development</i> Acad. Cristian HERA , <i>Vice-President of the Romanian Academy</i>	
Keynote Speaker	Dr. Antonio DI GIULIO , <i>DG Research, Biotechnologies, Agriculture and Food Directorate, EU commission</i> "Research and Innovation Policies in the Field of Agriculture, Rural Development and Bioeconomy"	
10:00-10:30		
10:30-11:00	Coffee break & Press Conference	First Floor, Main hall
11:00 - 12:30	PLENARY SESSION II Research&Innovation challenges for agriculture and rural development	First Floor, P.33
Chair	Cristian PÂRVAN , <i>The Businessmen' Association of Romania</i>	
Moderators	Gina FÎNTÎNERU , <i>UASVM Bucharest Vice-rector for Research & Innovation</i> Toma Adrian DINU , <i>Dean, Faculty of Management, Economic Engineering in Agriculture and Rural Development</i>	

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Speakers	<p>Stefan TOEPFER, <i>CABI</i> "International collaborative research and plant health service developments for combatting invasive alien pest species and other plant health problems: the CABI approach"</p> <p>Justus WESSELER, <i>Wageningen University, The Netherlands</i> "The Economics of Coexistence in the EU"</p> <p>Cristian PÂRVAN, <i>The Businessmen' Association of Romania</i> "Automation/robotics in the agricultural industry" / "Mass Production vs. BIO Production"</p> <p>Discussions</p>	
12:30 - 14:30	<p>HORTINVEST OPENING CEREMONY <i>Lunch and Networking Activities</i></p>	<p>Hortinvest Buiding Ceres Restaurant</p>
14:30 - 16:30	<p>PLENARY SESSION III Key enabling technologies for a sustainable agriculture</p>	<p>First Floor, P 33</p>
Chair	<p><i>Dr. Delia Dimitriu, Manchester Metropolitan University, Manchester, UK</i></p>	
Moderators	<p>Florin STĂNICĂ, <i>UASVM Bucharest</i> <i>Vice-Rector for International Relations</i></p> <p>Petruța CORNEA, <i>Dean, Faculty of Biotechnologies</i></p>	
Speakers	<p>Dr. Petru Alexe, <i>Dunarea de Jos University of Galati</i> "Microencapsulation in food industry"</p> <p>Dr. Franco Famiani, <i>University of Perugia, Italy</i> "Organic acids in fruits: contents, metabolism, functions and influence of environmental and agronomical factors"</p> <p>Dr. Jean Luck Hornick, <i>Belgium</i> "Livestock farming on the cardinal points: can we learn from each others' practices?"</p> <p>Dr. Medana Zamfir, <i>Institute of Biology - Romanian Academy – Bucharest</i> "Biodiversity and biotechnological potential of lactic acid bacteria"</p>	

Obs.

Dr. Judith Barrette, Manchester Metropolitan University, Manchester, UK

"Degraded and contaminated land: Remediation and use"

Dr. Christoph Winckler, University of Natural Resources and Applied Life Sciences (BOKU), Vienna

"On-farm animal welfare assessment and welfare improvement in dairy cattle"

Discussions

16:30 - 17:00	Coffee break	First Floor, Main hall
17:00 - 18:00	Workshop CABI "CABI applied life sciences databases: Knowledge for Life", "Live demos and search tips"	First Floor, P.33
Speaker	Dr. Krassimira Anguelova, Manager, Central & Eastern Europe, CIS and Middle East CABI	
18:00 - 19:00	Keynote Speakers Dialogue with Specialty Media and USAMV Rectorate	
19:30 - 21:30	Official Gala Dinner - Cultural Event	Ceres Restaurant

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Day 2 – Friday, 06 June 2014

SECTION 1 – AGRONOMY

*Venue: University of Agronomic Sciences and Veterinary Medicine of Bucharest
Faculty of Agriculture – University Main Building (Building A)*

Time	Activity	Venue
08:00 – 09:00	Arrival and registration of participants Poster display	Ground Floor, Main Hall
09:00 – 09:20	Opening Section 1 – Agronomy	Amphitheatre A.p.a “Ion Ionescu de la Brad”
09:20 – 11:00	Paper presentations – First Session	Amphitheatre A.p.a “Ion Ionescu de la Brad”
11:00 – 11:30	<i>Coffee break</i> Viewing posters and discussions	Ground Floor, Main Hall
11:30 – 13:30	Paper presentations – Second Session	Amphitheatre A.p.a “Ion Ionescu de la Brad”
	Paper presentations – Third Session	Ground Floor, A.p.3
13:30 – 14:30	<i>Lunch and Networking Activities</i>	Ground Floor, Main Hall
14:30 – 16:00	Paper presentations – Fourth Session	Amphitheatre A.p.a “Ion Ionescu de la Brad”
	Paper presentations – Fifth Session	Ground Floor, A.p.3
16:00 – 16:30	<i>Coffee break</i> Viewing posters and discussions	Ground Floor, Main Hall
16:30 – 18:30	Paper presentations – Sixth Session Final discussions and conclusions	Amphitheatre A.p.a “Ion Ionescu de la Brad”

Day 3 – Saturday, 07 June 2014

Conference Visits

- 08:30 – 18:00 **Conference visit 1:** Istrița Nursery and Fruit Farm & Pietroasa Viticulture and Oenology Research and Development Station
- 08:30 – 20:00 **Conference visit 2:** Bran Castle (Dracula’s Castle) – Predeal – Peleş Castle

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DETAILED PROGRAM

SECTION 1 – AGRONOMY

Venue:

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

First Session

Amphitheatre A.p.a "Ion Ionescu de la Brad"

Chair: Prof. Dr. D.h.c. Gheorghe Valentin ROMAN

Co-Chair: Prof. Dr. Dumitru Ilie SĂNDOIU

Time: 09:20 – 11:00

Paper ID	Authors	Paper Title
1.	Salvador Sanchez, Enayat Rajabi	Is it possible to transform education in Europe? An overview on ODS and other EU eLearning related initiatives
2.	Vicente Castell-Zeising	Organic Medicinal and Aromatic Plants in Spain: main species, cultivation and uses
3.	Marta di Pierro	Organic Medical and Aromatic Plants (MAPs) Commercialization in Italy
4.	Victor Gonzalvez	An innovative and integrated e-learning program about organic medicinal and aromatic plants in Mediterranean countries
5.	Vassilis Protonotarios, Andreas Drakos, Maria Toader, Anastasios Koutoumanos	Seeding organic agriculture courses on Moodle: the agriMoodle case

Discussions

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Second Session
Amphitheatre A.p.a "Ion Ionescu de la Brad"

Chair: *Assoc. Prof. Dr. Viorel ION*

Co-Chair: *Assoc. Prof. Dr. Cristian IACOMI*

Time: 11:30 – 13:30

Paper ID	Authors	Paper Title
6.	Adam ECKERSLEY, Lancelot BUTTERS	The influence of modern day tractor cab ergonomics on productivity
7.	Ali Husain JASIM, Qais Lamy MHANNA	Effect of some organic fertilizers treatments on dry seed yield of broad bean (<i>Vicia faba</i> L.)
8.	Taher ABUNAMA	Influence of treated wastewater irrigation on white-corn plant
9.	Abdulla I. SHAHEED, Farah A. ABASS	Biochemical changes during accelerated ageing conditions of mung bean seeds and their field performance
10.	Esmail NABIZADEH	The effects of foliar application of ABA and cytokinin in different reproductive growth stages of maternal wheat plants on the seed traits under saline conditions
11.	Hristo P. STOYANOV	New amphidiploid wheat species (Nothosp. Nov.) as a result of artificial hybridisation
12.	Hristo P. STOYANOV	Representatives of genus <i>Aegilops</i> as a source of pathogens resistance

Obs.

- 13. Amjed ALI, Ashfaq AHMAD,
Tasneem KHALIQ Oilcrop-Sun model application for agronomic
strategies of sunflower crop

- 14. Mahmoud HOZAYN,
Amany Attia ABD EL MONEM,
Tarek ABD EL-FATAH ELWIA,
Maha Mohamed EL-SHATAR Future of magnetic agriculture in arid and
semi arid regions (case study)

Discussions

Third Session

Ground Floor, A.p.3

Chair: *Assoc. Prof. Dr. Mircea MIHALACHE*

Co-Chair: *Prof. Dr. Doru Ioan MARIN*

Time: 11:30 – 13:30

Paper ID	Authors	Paper Title
15.	Irina SENICOVSCAIA	Evaluation of organic amendments effects on soil microorganisms and enzymatic activities of degraded chernozem
16.	Hamid MADANI, Amir SHARIFI	Effects of irrigation halt on yield and yield components of three sunflowers (<i>Helianthus annuus</i>) cultivars in Iranian semi-arid environment
17.	Hamid MADANI, Saeid BORJI, Noor-Ali SAJEDI	Effects of zinc and phosphorus fertilizers on sugar beet (<i>Beta vulgaris</i> cv. SBSI005 Crouse) yield in Iranian high zinc alkaline soil condition
18.	Hamzeh RAWASHDEH, Florin SALA	Influence of iron foliar fertilization on some growth and physiological parameters of wheat at two growth stages

Obs.

Paper ID	Authors	Paper Title
19.	Gheorghe PRIPA	Processing of animal manure, obtained from cattle, pigs and chicken with red California worms
20.	Akas Pinarigan SUJALU, Ismail, Sigit HARDWINARTO, Chandradewana BOER, Sumaryono	Analysis of water balance for determine cropping patterns for food crops in watershed Karangmumus - The Province of East Kalimantan
21.	Andrei PALII, Grigorii BATIRU, Alexandr ROTARI, Eugen ROTARI, Galina COMAROV, Vasile ȚIGANAȘ	The dosage effect of the opaque-2 gene on the amino acid composition of protein from tetraploid maize grain
22.	Alexandru TELEUȚĂ, Victor ȚÎȚEI	Biological peculiarities and forage value of the species of the genus <i>Astragalus</i> L. in the Republic of Moldova
23.	Victor ȚÎȚEI, Alexandru TELEUȚĂ	Agro biological peculiarities of giant knotweed and cup plant after fertilization with sewage sludge

Discussions

Fourth Session

Amphitheatre A.p.a "Ion Ionescu de la Brad"

Chair: *Assoc. Prof. Dr. Marin DUMBRAVĂ*

Co-Chair: *Assoc. Prof. Dr. Ionela DOBRIN*

Time: 14:30 – 16:00

Paper ID	Authors	Paper Title
24.	Mustapha Alhaji MUHAMMAN, Bindawa Mohammed AUWALU, Sanusi Gaya MOHAMMED	Response of maize (<i>Zea mays</i> L.) to aqueous extract of moringa (<i>Moringa oleifera</i> Lam.) and nitrogen rates. Part II

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Paper ID	Authors	Paper Title
25.	Mustapha Alhaji MUHAMMAN, Sanusi Gaya MOHAMMED	Effects of aqueous extract of moringa (<i>Moringa oleifera</i> Lam.) and nitrogen rates on the contribution of some physiological and yield attributes to grain yield of sesame (<i>Sesamum indicum</i> L.) II
26.	Abbas Fallah TOOSI, Mehdi AZIZI	Effect of different sources of nitrogen fertilizer on yield & yield components of sunflower (<i>Helianthus annuus</i> L.)
27.	Abbas Fallah TOOSI, Baki Bin BAKAR, Mehdi AZIZI	Effect of drought stress by using PEG 6000 on germination and early seedling growth of <i>Brassica juncea</i> Var. Ensabi
28.	Hassan SULE, Rita MUHAMAD	Dynamics and distribution of <i>Diaphorina citri</i> (Hemiptera: Psyllidae) in a citrus orchard in Terengganu, Malaysia
29.	Vida JODAIAN, Narges SAMADANI LANGEROODI, Sepideh MEHRANI, Behzad SANI	Study of the effective parameters on the adsorption of malonic acid from aqueous solutions by rice (<i>Oryza sativa</i> L.) bran
30.	Hamid MADANI, Agnieszka STOKLOSA , Jafar ZAREI, Zahra USEFI	Alfalfa (<i>Medicago sativa</i> L.) forage yield responses to triple super phosphate, phosphate solubilizing bacteria and gibberlic acid foliar application
31.	Olivera NIKOLIC, Snezana ZIVANOVIC-KATIC, Milivoje MILOVANOVIC, Milanko PAVLOVIC	Interrelationships between grain protein content and indicators of nitrogen status of wheat plant

Discussions

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Fifth Session

Ground Floor, A.p.3

Chair: Prof. Dr. Aurelian PENESCU

Co-Chair: Lecturer Dr. Leonard ILIE

Time: 14:30 – 16:00

Paper ID	Authors	Paper Title
32.	Nicolai IONESCU, Aurelian PENESCU, Sorin Gabriel IONESCU	The weeds control by mechanical and manual management practices
33.	Nicolai IONESCU, Sorin Gabriel IONESCU	Study about biodiversity of <i>Raphanus raphanistrum</i> petals color
34.	Liviu DINCĂ, Dumitru Ilie SĂNDOIU, Wilson Pedro ANTONIO, Marin NICOLETA, Victor Adrian MATEI, Cosmin Cătălin CALOTĂ	Influence of organic and mineral fertilization on some agrochemical modification of chromic luvisol from Romanian Plain
35.	Liviu DINCĂ, Gheorghe ȘTEFANIC, Dumitru Ilie SĂNDOIU, Costică CIONTU, Wilson Antonio PEDRO, Alexandru Nicolae ANDREESCU	The influence of some plant species and soil tillage, on fertility level of the chromic luvisol from Romanian Plain
36.	Marian GHEORGHE, Mihai GIDEA, Ioan ROSCA, Kostas DIMASIS	Research regarding the treatments with bio-stimulator at maize crop
37.	Alexandru Gheorghe BĂLAȘU, Stelica CRISTEA, Cristinel Relu ZALĂ, Antonio Romeo LOMBARDI	Research on the behavior of soybean varieties to bacterial attack caused by <i>Pseudomonas savastanoi</i> pv. <i>Glycinea</i>

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Paper ID	Authors	Paper Title
38.	Mariana GROZA, Stela LAZAROVA, Ioan ROSCA, Vlada PENEVA	Morphology and distribution of <i>Longidorus euonymus</i> (Nematoda) from Romania
39.	Ioana Liane GEORGESCU, Florentin BERCU	Collective action for an equitable food production system
	<i>Discussions</i>	

Sixth Session

Amphitheatre A.p.a "Ion Ionescu de la Brad"

Chair: Prof. Dr. Costică CIONTU

Co-Chair: Assoc. Prof. Dr. Lizica SZILAGYI

Time: 16:30 – 18:30

Paper ID	Authors	Paper Title
40.	Viorica BĂLAN, Valerica TUDOR, Oana MENCINICOPSCHI, Carmen MANOLE, Ecaterina ȘTEFAN	Suitability for urban agriculture and permaculture of some biotypes and new varieties of species with sanogene characteristics and qualities
41.	Viorel ION, Georgeta DICU, Marin DUMBRAVĂ, Adrian Gheorghe BĂȘA, Georgeta TEMOCICO, Daniel STATE, Lenuța Iuliana EPURE	Results regarding biomass yield at sunflower under different planting patterns and growing conditions
42.	Marin DUMBRAVĂ, Adrian Gheorghe BĂȘA, Viorel ION, Lenuța Iuliana EPURE, Niculae DINCĂ, Dumitru ȘTEFAN	Results regarding yield and yield components at different triticale varieties

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Paper ID	Authors	Paper Title
43.	Marian POPA	Wheat efficiency use of climate resources in Găvanu-Burdea Plain
44.	Daniel DUNEA, Nicolae DINCĂ, Ștefania IORDACHE	Spatio-temporal characterization of natural grasslands from Bucegi Natural Park using remote sensing resources
45.	Mihaela Ioana GEORGESCU, Elena SĂVULESCU	Aspects of floristic diversity in the community Topolog (Tulcea county): II – Grasslands flora
46.	Emil GEORGESCU, Maria TOADER, Lidia CANA, Radu GARGARITA	Draught influence concerning maize leaf weevil (<i>Tanymecus dilaticollis</i> GYLL) attack on maize crops at NARDI Fundulea
47.	Mirela CEAN	<i>Holocacista rivillei</i> (Stainton, 1855) (Lepidoptera Heliozidae) – A leafminer species recorded on <i>Vitis vinifera</i> L. from Southern Romania
48.	Elena NISTOR, Elena-Loredana SFETCU, Ionuț-Cosmin SFETCU	‘Our daily bread’: History... and stories

Discussions

Concluding Remarks

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Poster Session

Paper ID	Authors	Paper Title
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SOIL SCIENCES

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| 49. | Mehdi AZIZI, Mona SHEKARI | Water stress and K nutrition effects on growth indices and seed yield of sunflower |
| 50. | Mehdi AZIZI, Danial SOROURI | Effect of potassium, zinc and manganese on agronomic traits of soybean |
| 51. | Gheorghe JIGAU | Elements of evolution for typical chernozem humus moderated under various tillage conditions |
| 52. | Gheorghe JIGAU, Elena TOFAN | The agrogen evolution of chernozems under Prut and Dniester space (Republic of Moldova) |
| 53. | Mustafa Ali KAPTAN, Mehmet AYDIN, Zeynel DALKILIÇ | Evaluation of boron toxicity in fig (<i>Ficus carica</i> L.) cultivars |
| 54. | Nicolai LEAH | Soil nitrogen content and effectiveness of nitrogen fertilizers for winter wheat in Moldova |
| 55. | Tamara LEAH | Natural conditions contributing to appearance and development of soil degradation in Moldova |
| 56. | Roxana MADJAR, Gina VASILE SCĂEȚEANU, Adrian PETICILĂ, Mircea Ștefăniță TUDOR | Evaluation of nutrients availability by applying fertilizer at different doses in soil column |

Obs.

Paper ID	Authors	Paper Title
57.	Mircea MIHALACHE, Leonard ILIE, Daniela MIHALACHE, Ana Maria GHINEA	Evaluation of chernozems from Balta Alba area, Buzau County
58.	Victor PETCU, Liviu DINCĂ, Ion TONCEA	The effect of crops and farming systems on soil quality
59.	Gina VASILE SCĂEȚEANU, Roxana Maria MADJAR, Aurelian PENESCU, Emanuel Petre DINCĂ, Iulica Alexandra TERZEA	Nitrate monitoring in private wells from Prahova District
60.	Andrei SIURIS, Tudor BOUNEGRU, Vasile PLAMADEALA	Research regarding the possibility of use the wine yeast as fertilizer

CROP SCIENCES

61.	Hasan BAYDAR, Sabri ERBAŞ	Estimates for broad sense heritability and heterosis of agronomic and quality characters of safflower (<i>Carthamus tinctorius</i> L.)
62.	Adrian Gheorghe BĂȘA, Viorel ION, Marin DUMBRAVĂ, Georgeta TEMOCICO, Georgeta DICU, Lenuța Iuliana EPURE, Daniel STATE	Above-ground biomass of sunflower plant under different planting patterns and growing conditions
63.	Abbas BIABAN, Lynne Carpenter BOGGS, Hosein SABOURY	Effects of seed deterioration and inoculation with <i>Mesorhizobium ciceri</i> on chickpea plant performance under laboratory conditions

Obs.

Paper ID	Authors	Paper Title
64.	Victor BURDUJAN, Mihail RURAC, Angela MELNIC	Productivity and quality of winter triticale (x <i>Triticosecale</i> Wittmack) in multifactorial experiments
65.	Gheorghe-Laurențiu BURICESCU, Gheorghe MOTCĂ, Ricuța-Vasilica DOBRINOIU, Silvana DĂNĂILĂ-GUIDEA, Luminița VIȘAN	Genotype and conditioning method influence on sowing material quality for sunflower
66.	Gheorghe-Laurențiu BURICESCU, Gheorghe MOTCĂ, Ricuța-Vasilica DOBRINOIU, Silvana DĂNĂILĂ-GUIDEA, Luminița VIȘAN	Genotype and conditioning method influence on sowing material quality for winter wheat
67.	Öner CANAVAR, Mustafa Ali KAPTAN	Changes in macro and micro plant nutrients of sunflower (<i>Helianthus annuus</i> L.) under drought stress
68.	Andrei CHIRILOAIE, Christos ATHANASSIOU, Thomas VASSILAKOS, Viorel FĂȚU, Sonica DROSU, Maria CIOBANU	Influence of grain type on the efficacy of some formulations of diatomaceous earth against the rice weevil (<i>Sitophilus oryzae</i> L.)
69.	Florica CONSTANTINESCU, Oana –Alina SICUIA, Cristina FĂȚU, Mihaela Monica DINU, Ana-Maria ANDREI, Carmen MINCEA	In vitro compatibility between chemical and biological products used for seed treatment
70.	Mădălina Ecaterina CUCU (POIDA)	Research regarding oilseeds crops species growing in ecologic agriculture production system, in North Dobrudja

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Paper ID	Authors	Paper Title
71.	Niculae DINCĂ, Ionela BARBU, Daniel DUNEA	An inventory of floristic composition in permanent grasslands of Rucăr-Bran Corridor: Application and perspectives of melliferous potential
72.	Iulian DRAGHICI, Reta DRAGHICI, Mihaela CROITORU	Researches on the effect of phytosanitary treatments to grain sorghum in sandy soil conditions
73.	Reta DRAGHICI, Iulian DRAGHICI, Milica DIMA	Vulnerability to contamination with plant pathogens and pests in specific crop rotations of agroforestry holdings on sandy soils
74.	Yakup Onur KOCA, Öner CANAVAR	The effect of sowing date on yield and yield components and seed quality of corn (<i>Zea mays</i> L.)
75.	Svetla KOSTADINOVA	Grain yield and protein of barley in dependence of phosphorus and potassium nutrition
76.	Antonio-Romeo LOMBARDI, Lenuța Iuliana EPURE, Gheorghe Valentin ROMAN	Experimental results on non-GMO soybean varieties productivity in Tulcea County conditions
77.	Lucian Ciprian MELUȚ, Vasile VÎNTU, Costel SAMUIL, Iulian Constantin POPOVICI, Mihai STAVARACHE	Influence of organic and mineral fertilization on grassland of <i>Dichanthium ischaemum</i> L. Roberty in the Moldavian steppe
78.	Milena MOTEVA, Valentin KAZANDJIEV, Zhivko ZHIVKOV, Rумыana KIREVA, Bozhidara MLADENOVA, Alexander MATEV, Radost KALAYDZHIEVA	Estimation of crop evapotranspiration in Bulgarian climate conditions

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Paper ID	Authors	Paper Title
79.	Silviu Gabriel MURESEANU, Doru Ioan MARIN, Ciprian BOLOHAN	Fresh biomass production of double crop maize (<i>Zea mays</i> L.) hybrids cultivated in Moara Domneasca, Ilfov
80.	Teodor ROBU, Creola BREZEANU, Petre Marian BREZEANU, Silvica AMBARUS	Assessment of mung bean yield potential production in the North Eastern region of Romania
81.	Vladimir ROTARU, Simion TOMA, Ana BIRSAN	The effects of phosphorus deficiency and rhizobacteria on phosphorus contents of two soybean (<i>Glycine max</i> L.) cultivars grown at low water supply
82.	Florentina SAUCĂ, Daniela LAZĂR, Cătălin LAZĂR	Preliminary results on creating new sunflower (<i>Helianthus annuus</i> L.) with resistance to drought based on interspecific hybridation with wild silverleaf sunflower (<i>Helianthus argophyllus</i> Torr. & A. Gray)
83.	Lizica SZILAGYI1, Bjarne JØRNSGÅRD	Preliminary agronomic evaluation of <i>Chenopodium quinoa</i> Willd. under climatic conditions of Romania
84.	Mohammad Reza TOOKALLOO	Effect of planting date and application of nitrogen on yield related traits of forage sorghum cultivars
85.	Daniela TRIFAN, Marcel BULARDA, Ioan VIȘINESCU	Studies regarding dynamics of water and nutrients absorption in winter barley and wheat
86.	Daniela TRIFAN, Ioan VIȘINESCU, Marcel BULARDA	Research about influence of sowing density and sowing time for production level of winter barley in North Baragan Plain conditions

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Paper ID	Authors	Paper Title
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88.	Ciprian BOLOHAN, Doru Ioan MARIN, Mircea MIHALACHE, Leonard ILIE, Andreea Cristina OPREA	Total biomass and grain yield of <i>Cynara cardunculus</i> L. species grown under the conditions of southeastern Romania
89.	Aurelian PENESCU, Mihaela NICHITA, Costică CIONTU, Dumitru Ilie SĂNDOIU, Nicolaie IONESCU, Tudor ȘCHIOPU, Mihai GÎDEA, Doru Ioan MARIN	Researches on the influence of post-emergent herbicides applied at different ages on weeds and Olt and Generos corn hybrids under the conditions of Moara Domneasca
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MISCELANEOUS

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93.	Emilia Brîndușa SĂNDULESCU, Mala-Maria STAVRESCU-BEDIVAN, Gina VASILE SCĂEȚEANU, Tudor ȘCHIOPU	Morpho-anatomic features and chemical compounds in some aquatic plant species – Preliminary data
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