



PROGRAM-INVITATION

INTERNATIONAL SCIENTIFIC SYMPOSIUM “*CONSERVATION OF PLANT DIVERSITY*”

5th edition

1-3 June 2017

Botanical Garden of ASM
Chișinău, Republic of Moldova

Dear _____

We are honoured to invite you to the International Scientific Symposium “*Conservation of Plant Diversity*”, which will take place from 01 to 03 June 2017, at the Central Scientific Library “A.Lupan” of the Academy of Sciences of Moldova, Chişinău, 5A Academy Street.

Organized by:

- Botanical Garden (Institute) of ASM;
- Association of Botanical Gardens from Romania
- Forest Research and Management Institute

In collaboration with:

- Ministry of Environment of the Republic of Moldova;
- “Moldsilva” Agency;

Under the patronage of:

- Academy of Sciences of Moldova;
- Department of Natural and Exact Sciences of the ASM.

The international scientific symposium will take place at the Central Scientific Library “A.Lupan” of the ASM. Chişinău, str. Academiei, 5A. (02.06.2017) and the Botanical Garden (Institute) of the ASM (03.06.2017).

Regulations:

- plenary session presentation - 15 min.
- section presentation - 10 min.
- discussions - 5 min.

PROGRAM COMMITTEE:

- Gheorghe DUCA, acad., president of the Academy of Sciences of Moldova
- Aurelian GULEA, acad. coord. of the Department of Natural and Exact Sciences of the ASM
- Alexandru TELEUȚĂ, PhD, director of the Botanical Garden (Institute) of the ASM
- Cătălin TĂNASE, PhD, Prof., „Anastase Fătu” Botanic Garden, „Alexandru Ioan Cuza” University from Iași, Romania
- Valeriu MUNTEANU, Minister of Environment
- Ion ROȘCA, PhD, vice-director of the Botanical Garden (Institute) of the ASM
- Constantin TOMA, acad., Prof., „Alexandru Ioan Cuza” University from Iași, Romania
- Vasile CRISTEA, PhD, Prof., “Alexandru Borza” Botanical Garden, “Babes-Bolyai” University, Cluj-Napoca, Romania
- Natalia ZAIMENKO, PhD,m.c., director of the “N.Grishko” National Botanical Garden, Kiev, Ucraina
- Ion CEBANU, director of “Moldsilva” Agency

ORGANIZING COMMITTEE:

- Alexandru TELEUȚĂ, PhD, director of the Botanical Garden (Institute) of the ASM
- Dumitru GALUPA, PhD, director of Forest Research and Management Institute
- Ion ROȘCA, PhD, vice-director of the Botanical Garden (Institute) of the ASM
- Alina CUTCOVSCHI-MUȘTUC, PhD, scientific secretary of the Botanical Garden (Institute) of the ASM
- Vitalie MÎȚU, vice-director of the Botanical Garden (Institute) of the ASM
- Vasile BUCAȚEL, PhD, head of Dendrology Laboratory
- Gheorghe POSTOLACHE, dr. hab., head of Geobotany and Forestry Laboratory
- Nina CIORCHINA, PhD, head of Embryology and Biotechnology Laboratory
- Victor ȚÎȚEI, PhD, head of Vegetal Resources Laboratory
- Veaceslav GHENDOV, PhD, head of Spontaneous Flora and Herbarium Laboratory
- Valentina ȚÎMBALÎ, PhD, head of Tropical Plants Laboratory
- Tatiana SÎRBU, PhD, head of Floriculture Laboratory
- Maricica COLȚUN, PhD, Vegetal Resources Laboratory

SYMPOSIUM AGENDA

01 June 2017

Arrival and accommodation of the participants

02 June 2017

09.00 – 10.00 - registration of the participants

10.00 – 11.30 - welcome speech, plenary session

welcome speech

- Academy of Sciences of Moldova;
- Ministry of Environment;
- “Moldsilva” Agency;
- University of Iasi, Romania;
- Delegates.

plenary session

1. *Teleuță Alexandru*. MANAGEMENT OF THE BOTANICAL GARDEN (INSTITUTE) OF THE ACADEMY OF SCIENCES OF MOLDOVA
2. *Tănase Cătălin*. CONSERVATION OF PLANT DIVERSITY IN “ANASTASIE FĂTU” BOTANIC GARDEN OF “ALEXANDRU IOAN CUZA” UNIVERSITY FROM IAȘI
3. *Palancean Alexei*. NATIONAL FOREST FUND - CURRENT STATE AND PROBLEMS OF DEVELOPMENT

Discussions.

11.30 – 12.00 - Coffee break

Section no. I. Plant conservation; forest ecosystems. (Small Hall of the Central Scientific Library “A. Lupan” of the ASM)

12.00 – 13.30 Section programme

Moderators:

Cătălin Tănase, PhD, “Anastase Fătu” Botanic Garden, “Alexandru Ioan Cuza” University from Iași, Romania
Veaceslav Ghendov, PhD, Botanical Garden (Institute) of the ASM

1. *Galupa Dumitru*. ASPECTS OF PLANT BIODIVERSITY IN FOREST ECOSYSTEMS
2. *Cantemir Valentina* RARE SPECIES OF BORAGINACEAE IN THE FLORA OF THE REPUBLIC OF MOLDOVA

3. Copaci Cristina, Szatmari Paul-Marian, Sicora Oana, Chende Diana, Căprar Marin, Pocol Ioana, Şuteu Roxana, Sicora Cosmin. **DNA ISOLATION FROM XEROTHERMIC PLANT SPECIES USING AN IMPROVED PROTOCOL**
4. Ghendov Veaceslav, Izverscaia Tatiana. **RARE VASCULAR FLORA OF DNIESTER RIVER BASIN IN REPUBLIC OF MOLDOVA**
5. Sămărghiţan Mihaela, Oroian Silvia, Hiriţiu Mariana, Calalb Tatiana, Tanase Corneliu. **CONTRIBUTIONS TO THE STUDY OF DRY GRASSLANDS HABITATS IN MUREŞ COUNTY (ROMANIA)**
6. Grigoriev Valeria, Chiru Tatiana, Irina Pompuş-Mura. **THE BLACKBERRY: PHYTOCHEMICAL COMPOSITION OF PLANT PARTS AND ANTIOXIDANT ACTIVITY**
7. Mirza M, Ciubuc N, Mamai I. **CONTRIBUTIONS TO THE PRUT FLOODPLAIN VEGETATION STUDY**
8. Ioniţa Olga. **SPECIES OF GENTIANA L. (GENTIANACEAE JUSS.) FOR THE FLORA OF BESSARABIA**
9. Titica Ghenadie. **CONTRIBUTION TO THE STUDY OF PLANT COMMUNITIES DOMINATED BY TEUCRIO POLII – MELICETUM CILIATAE (PUŞCARU V. ET AL., 1978) FROM THE REPUBLIC OF MOLDOVA**

Discussions

- 13.30 – 14.30 - Coffee break
- 14.30 – 15.00 - Examination of the posters
- 15.00 – 16.30 - Section programme

Moderators:

Aliona Miron, PhD, Forest Research and Management Institute
 Camelia Ştefanache, PhD, NIRDBS/ “Stejarul” Biological Research Centre, Piatra Neamt, Romania

1. Janjughazyan K.. **CONSERVATION OF POTENTILLA PORPHYRANTHA JUZ. (ROSACEAE) IN ARMENIA**
2. Lazu Şt., Teleuţă Al., Postolache Gh., Talmaci Ludmila. **TYOLOGY OF GRASSLANDS - THE BASIS OF SUSTAINABLE PASTURAGE MANAGEMENT IN THE REPUBLIC OF MOLDOVA**
3. Lozan Angela, Tofan-Dorofeev Elena, Cotofana Ion. **THREATENED PLANT SPECIES INCLUDED IN THE EMERALD NETWORK IN MOLDOVA**
4. Manic Ştefan. **THE ROLE OF MACROMYCETES IN NATURAL ECOSYSTEMS**
5. Turcuş Violeta, Dărăban Iulia-Natalia, Petrescu Constantin-Marian, Stana Iulian, Don Ioan, Ardelean Aurel, Arsene Gicu-Gabriel. **THE POTENTIAL OF REGIONAL RED LISTS AS TOOLS IN CONSERVATION OF PLANT DIVERSITY. Case Study: Arad County (Romania)**
6. Postolache Gh.,Lazu St. Teleuţa Al. **PROPOSALS ON THE INCREMENT IN THE EXTENT OF NATURAL PROTECTED AREAS**
7. Ştefanache Camelia P., Silion Mihalea, Bujor Oana C., Nicolescu Alina, Schiopu Rares A., Deleanu Calin, Mardari Constantin, Tanase Catalin, Danila Doina. **SESQUITERPEN-LACTONE PROFILE FOR ARNICA MONTANA L. SPECIES IN NATURAL GROWING SITES FROM THE ROMANIAN EASTERN CARPATHIANS**

8. *Tofan-Dorofeev Elena*. **HIGHLY THREATENED SPECIES OF ROSOIDEAE IN THE FLORA OF THE REPUBLIC OF MOLDOVA**

Discussions

Section no. II. Plant introduction and sustainable use of plant resources. Landscape architecture, environmental protection, ecological education. (Conference Hall of the Central Scientific Library "A. Lupan" of the ASM)

12.00 – 13.30 Section programme

Moderators:

Alexandru Teleuță, PhD, Botanical Garden (Institute) of the ASM
L.W. Szajdak, dr. hab., Institute for Agricultural and Forest Environment, Polish Academy of Sciences

1. *Ciocarlan Nina*. **BIOLOGICAL AND PHYTOCHEMICAL STUDIES OF SOME LAMIACEAE SPECIES: PROMISING SOURCES OF BIOACTIVE SUBSTANCES**
2. *Elisovetskaya Dina, Dorosenco Valentina, Boubatrin Ion*. **APPLICATION BIOELICITORS AS INDUCTORS OF RESISTANCE PLUM TREES VARIETY STANLEY TO PATHOGENS**
3. *Stefanache Camelia P, Bujor Oana C., Necula Radu, Ciocarlan Nina, Ghendov Veaceslav, Spac Adrian, Trifan Adriana, Danila Doina, Carlen Christoph, Simonnet Xavier*. **IN SITU AND EX SITU PHYTOCHEMICAL PROFILE OF ARTEMISIA ANNUA L. SPECIES IN REPUBLIC OF MOLDOVA**
4. *Stingaci Aurelia, Zavtony Pantelemon, Malii Aliona*. **THE APPLICATION OF BACULOVIRUSES DIVERSITY AND USE AS BIOINSECTICIDES**
5. *Vorobets Natalia, Nikolaichuk Vitalyi, Rivis Olga, Skibitska Maria*. **ANTIMICROBIAL ACTIVITY OF INTRODUCED AMPELOPSIS BREVIPEDUNCULATA AND RUTA HORTENSIS**
6. *Szajdak L.W., Gaca W., Meysner T., Rusu T., Styła K., Szczepański M*. **STRUCTURE AND ACTIVITY OF BIOLOGICALLY ACTIVE SUBSTANCES IN SOILS**
7. *Cojocarui Olesea*. **HOW CAN THE PROCESS OF EROSION CHANGE THE STATE OF THE QUALITY OF ORDINARY CHERNOZEMS**
8. *Mihali Ciprian-Valentin, Marian Petrescu Constantin, Toma Claudia, Violeta Turcus*. **MORPHOLOGY AND ULTRASTRUCTURAL DIVERSITY ASPECTS WITH IMPORTANCE IN PLANT CONSERVATION USING ELECTRON MICROSCOPY**

Discussions

13.30 – 14.30 - Coffee break

14.30 – 15.00 - Examination of the posters

15.00 – 16.30 - Section programme

Moderators:

Maricica Colțun, PhD, Botanical Garden (Institute) of the ASM
N. Hudz, PhD, Danylo Halytsky Lviv National Medical University

1. *Hudz N., Brindza J., Korzeniowska K., Wieczorek P.P., O. Grygorieva, Schubertová Z.,*

Ivanišová E. **METHODS OF THE INVESTIGATION OF BEE BREAD DURING PHARMACEUTICAL DEVELOPMENT OF ITS EXTRACTS**

2. *Gladcaia Alla, Nastas Tudor.* **ADVANTAGES OF ECONOMIC CULTIVATION OF THE GENUS *RHEUM* PLANTS IN THE REPUBLIC OF MOLDOVA.**
3. *Panfil Patrisia, Chiru Tatiana.* **THERAPEUTIC AND PHARMACOLOGICAL POTENTIAL OF *POTENTILLA ALBA* L. SPECIES**
4. *Soroca Irina, Benea Anna, Cibotaru Natalia.* **THE SPECTROPHOTOMETRIC DETERMINATION OF THE TOTAL DEGREEE OF FLAVONOIDS AND POLYPHENOLS IN THE AERIAL PARTS OF *HYPERICUM PERFORATUM* L. AND *HYPERICUM ELEGANS* STEPH.**
5. *Cheptinari Valeria, Nastas Tudor.* **REEVALUATION OF ETHOLOGY PARTICULARITIES OF IMAGO HELIOTHIS ARMIGERA DEPENDING ON PHENOLOGICAL PHASES OF DEVELOPMENT SOYBEAN CULTURE**
6. *Filipov Feodor, Chiorescu Esmeralda, Cojocaru Olesea, Badeanu Marinela* **FAIRGROUND GRASS A BIOINDICATOR OF EXTREMELY SUPERFICIAL STRONG COMPACTED SOILS FROM URBAN AREA**
7. *Szajdak L.W., Gaca W., Meysner T., Rusu T., Styła K., Szczepański M.* **DECREASE IN THE CONCENTRATIONS OF INORGANIC ELEMENTS BY BIOGEOCHEMICAL BARRIER IN AGRICULTURAL LANDSCAPE**
8. *Mircea Diana-Maria, Dumitraș Adelina, Clapa Doina, Damian Aurel.* **THE CONCEPT OF „POCKET PARKS” IN LANDSCAPE DESIGN**

Discussions

16.30. – 17.30 Plenary session

- Moderators' report
- Discussions
- Decision of the International Scientific Symposium “**CONSERVATION OF PLANT DIVERSITY**”, 01-03 June 2017, Chisinau, Republic of Moldova

18.00 - Welcome reception

03 June 2017

9.00 - 12.00 - Visit at the Botanical Garden

12.00 - Departure of the participants.

POSTER

I. Plant conservation; forest ecosystems

Moderator:

Victor Şalaru, dr.hab., Moldavian State University
Mihaela Sămărghiţan, Muzeul Judeţean Mureş, România

1. Bulicanu Dorina. **ENDANGERED PLANT SPECIES OF DOWNY OAK FORESTS (*Quercus pubescens* Willd.) FROM REPUBLIC OF MOLDOVA**
2. Bylici Elena. **CONSERVATION OF MAIZE LANDRACES**
3. Ceban Ana, Curshunji Dmitry. **CONTENT OF CYCLIC NON-REPLACEABLE AMINOACIDS IN VARIOUS PROTEIN FRACTIONS OF GRAIN'S STORAGE PROTEINS IN SELECTIONS OF CHICKPEA OF THE F₄-GENERATION**
4. Cherpak O.M., Cherpak M.O. **COMPARATIVE STUDY GEUM URBANUM L. AND GEUM MONTANUM L. (SIEVERIA MONTANA L.)**
5. Corlateanu L., Maslobrod S. **INFLUENCE OF MILLIMETER RADIATION ON PRIMARY METABOLIC PROCESSES IN LENTIL SEEDS (*LENS CULINARIS*) UNDER THE CONDITIONS OF *EX SITU* CONSERVATION**
6. Corlateanu L., Mihaila V., Ganea A. **STUDY OF STORAGE POTENTIAL OF TRITICALE COLLECTION ACCESSIONS FOR *EX SITU* CONSERVATION**
7. Curshunji Dmitry, Cheban Anna. **SOME MORPHOBIOLOGICAL, BIOCHEMICAL TRAITS AND YIELD BY DIFFERENT SELECTIVE GENOTYPES OF CHICKPEA**
8. Dmytrash-Vatseba Iryna, Shumska Nadiya. **RARE PLANT SPECIES IN (SEMI) NATURAL HABITATS OF THE SOUTHERN OPILLYA (WESTERN UKRAINE)**
9. Florenta V. Florenta Gh. **ENOLOGICAL-EDAPHIC ASPECT OF PUBESCENT OAK STANDS**
10. Galkina V., Dojko N., Bojko N., Mordatenko I. **THE BEAUTIFULLY-FRUCTTING WOODY PLANTSON THE LANDSCAPES OF THE "ALEXANDRIA" ARBORETUM OF THE NAS OF THE UKRAINE**
11. Ghendov Veaceslav, Izverscaia Tatiana, Ionita Olga, Tofan-Dorofeev Elena. **FLORISTIC FINDINGS IN STEPPE GRASSLAND IN THE VICINITY OF CÎZLAR VILLAGE (DISTRICT LEOVA, REPUBLIC OF MOLDOVA)**
12. Gherag Melania, Ciorchină Nina. **THE ANTHROPOGENIC PRESSURE ON THE DIVERSITY OF SPECIES OF THE FAMILY AMARYLLIDACEAE**
13. Goginashvili N., Tvaury I., Manvelidze Z., Memiadze N., Asanidze Z.. **STUDY OF ENDANGERED SPECIES RHODODENDRON IN GEORGIA**
14. Gogu Vitalie. **THE PECULIARITIES OF ECOLOGICAL RECONSTRUCTION IN PARTIAL DERIVATIVE STANDS**
15. Grati Vladislav, Şalaru Victor. **CONDITIONS OF FORESTS VEGETATION IN THE FOREST DISTRICT STRĂŞENI**
16. Ioniţa Olga, Tofan-Dorofeev Elena. **CRUPINA VULGARIS CASS. (ASTERACEAE) IN THE FLORA OF THE REPUBLIC OF MOLDOVA**
17. Ishchuk L.P. **FLORA WILLOW (*SALIX* L.) IN UKRAINIAN CARPATHIANS**
18. Izverscaia Tatiana, Ghendov Veaceslav. **EUPHORBIA PROSTRATA AITON (*EUPHORBIACEAE*) – A NEW ALIEN IN THE FLORA OF REPUBLIC OF MOLDOVA**
19. Jardan Natalia. **THE PERCENT OF THE FEMALE FLOWERS OF PEDUNCULATE**

OAK DEVELOP INTO MATURE ACORNS

20. *Khannanova Olesia Ravilivna*. REGIONAL LANDSCAPE PARK «HADIATSKYI» AS THE PRESERVATION AND PROTECTION CENTER OF PHYTODIVERSITY IN THE LEFT-BANK FOREST-STEPPE OF UKRAINE
21. *Lazu Șt., Postolache Gh., Teleuță Al., Talmaci Ludmila, Gațachiu Corina*. FLORISTIC AND PHYTOCENOTIC ASSESSMENT OF THE VEGETATION OF “VILA TELENEȘTI” FOREST PLOT IN THE PERSPECTIVE OF THE EXPANSION OF “VILA TELENEȘTI” NATURE RESERVE
22. *Lozinschii Mariana, Calalb Tatiana, Ciorchină Nina*. THE COMPARATIVE ANATOMICAL STUDY OF LEAVES OF NEW BLACKBERRY CULTIVARS
23. *Mardari Constantin, Ștefanache Camelia, Bîrsan Ciprian & Tănase Cătălin*. RESPONSE CURVES OF ARNICA MONTANA ALONG SOME ECOLOGICAL GRADIENTS IN THE NORTHERN REGION OF ROMANIAN EASTERN CARPATHIANS
24. *Marinescu Marina, Kolesnikova Lyudmila*. MORPHOLOGY AND STRUCTURE OF FRUITS OF TWO PEAR CULTIVARS (*PYRUS COMMUNIS* L.)
25. *Nedbaliuc Boris, Chiriuc Eugenia, Nedbaliuc Rodica*. QUALITATIVE STRUCTURE OF THE ALGAL COMMUNITIES OF THE RIVER BIC
26. *Pavliuc Alina, Postolache Gheorghe* ABOUT THE VEGETAL ASSOCIATIONS OF “HÂNCEȘTI” RESERVATION
27. *Pintea Maria, Cozmic Radu, Sacali Natalia, Borozan Emilian, Mapelli Sergio, Mattana Monica*. CASE OF STUDY REGARDING WALNUT (*Juglans regia* L.) BIODIVERSITY CONSERVATION
29. *Pinzaru Pavel*. PROTECTED PLANT SPECIES IN FLORESTI DISTRICT
30. *Pokhylchenko O., Bojko N., Kolodyajenska T., Ostapyuk V., Lodok V.* GYMNOSPERM PLANTS OF THREATENED CATEGORIES’ SPECIES IN THE CONIFERETUM OF GRISHKO NATIONAL BOTANICAL GARDEN
31. *Postolache Gh., Talmaci Ludmila*. CLIMATE CHANGE IMPACTS ON THE BIRCH (*Betula pendula* L.) FORESTS FROM THE REPUBLIC OF MOLDOVA
32. *Romanciuc Gabriela*. GERMPLASM CHARACTERIZATION AND EVALUATION DATA IN THE SYSTEM OF AGRO BIODIVERSITY CONSERVATION
33. *Smoliar N.O.* PRESENT LOCATION OF *LIPARIS LOESELII* (L.) RICH. (ORCHID ACEAE) IN THE LEFT-BANK DNEPER (UKRAINE) AND THEIR PROTECTION
34. *Szatmari Paul-Marian*. MARSH FORESTS IN NORTH-WESTERN TRANSYLVANIA CONSERVING GLACIAL RELICTS AT LOW ELEVATION
35. *Vlasova E. V., Motyleva S.M., Mertvischeva M.E.*. DISTRIBUTION OF AROMATIC CARBOXYLIC ACIDS IN *Lupinus angustifolius* L. SEEDLINGS

II. Plant introduction and sustainable use of plant resources

Moderator:

Vasile Bucățel, PhD, Botanical Garden (Institute) of the ASM
Alla Gnatiuk, PhD, Grishko NBG NAS Ukraine

35. *Afanasyeva Yu. V. Temirbekova S.K., Motyleva S.M., Mertvischeva M.E.* ANTIOXIDANT ACTIVITY OF SAFFLOWER (*CARTHAMUS TINCTORIUS* L.) IN THE PROCESS OF VEGETATION
36. *Agapi Ion*. VEGETATIVE REPRODUCTION OF FORMS AND HYBRIDS OF WALNUT FOR QUALITY AND PRODUCTION IMPROVEMENT

37. *Agapi Ion.* WALNUT BREEDING FOR SELECT AND DEVELOPMENT OF NEW HYBRIDS AND ROOTSTOCKS
38. *Bucatsel V.* THE INTRODUCTION OF GYMNOSPERMS FROM NORTH AMERICA IN THE REPUBLIC OF MOLDOVA
39. *Calalb T., Gorceag M., Lebediuc N., Chiorchină N.* TOTAL CONTENT OF CAROTENOIDS IN DIFFERENT VEGETABLE PRODUCTS OF SPONTANIOUS AND CULTIVATED SP. *LYCIUM BARBARUM* FROM THE REPUBLIC OF MOLDOVA
40. *Cauș Maria, Călugăru-Spătaru Tatiana, Dascaluic Alexandru.* ANTIOXIDATIVE POTENTIAL OF IN VITRO CULTIVATED CALLUS OF *RHODIOLA ROSEA* L., AN ENDANGERED MEDICINAL PLANT, IN RELATION TO *REGLALG* APPLICATION
41. *Cibotaru Natalia, Benea Anna, Soroca Irina.* COMPARATIVE ANALYSIS OF THE TOTAL DEGREE OF FLAVONOIDS AND POLYPHENOLS IN DIFFERENT PRODUCTS OF *HYPERICUM PERFORATUM*
42. *Ciocarlan Nina.* CONTRIBUTIONS TO ETHNOBOTANICAL STUDY OF MEDICINAL PLANTS IN CAHUL DISTRICT, REPUBLIC OF MOLDOVA
43. *Ciocarlan Nina.* MEDICINAL *TANACETUM* L. SPECIES INTRODUCED AND STUDIED IN THE BOTANICAL GARDEN (INSTITUTE) OF ASM
44. *Ciorchină Nina, Cutcovschi-Muștuc Alina, Mîrza Alexandru, Sofronii Maria, Cuzmin Elvira* MICROPROPAGATION OF THE SPECIES *ACTINIDIA KOLOMIKTA* (RUPR. ET MAXIM.) MAXIM. AND *ACTINIDIA ARGUTA* (SIEBOLD ET ZUCC.) PLANCH. EX. MIQ.
45. *Cîrlig N., Iurcu-Străistaru E., Teleuță A.* QUANTITATIVE PHYSIOLOGICAL PARAMETERS OF ASSIMILATION PIGMENTS IN *POLYGONUM SACHALINENSE* F. SCHMIDT IN THE REPUBLIC OF MOLDOVA
46. *Cîrlig N., Teleuță A., Calalb T.* THE LEAF AREA OF THE SPECIES *POLYGONUM SACHALINENSE* F. SCHMIDT IN THE ENVIRONMENTAL CONDITIONS OF THE REPUBLIC OF MOLDOVA
47. *Cojocaru-Toma Maria, Popa Constanta.* MEDICINAL PLANTS AND PHYTODRUGS USED IN RESPIRATORY DISEASES
48. *Colțun Maricica.* AROMATIC PLANTS IN COSMETIC INDUSTRY
49. *Cutcovschi-Muștuc Alina, Ciorchină Nina, Ciorchină Maxim.* METHODS OF STERILIZATION FOR PLANT INOCULATION: *LILIUM MARTAGON*, *FRITILLARIA MONTANA*, *BELLEVALIA SARMATICA*
50. *Dombrov L., Lupan A., Chisnicean L.* EFFICIENCY OF PRELIMINARY REPRODUCTION OF THE STARTING MATERIAL FOR STUDIES ON IMPROVEMENT OF *TRIGONELLA* L. SPECIES
51. *Gnatiuk A.M., Gaponenko M.B.* EXPERIENCE THE CONSERVATION OF RARE AND ENDANGERED PLANT SPECIES EX SITU
52. *Ivanova Raisa.* VITAMIN C EQUIVALENT OF ANTIOXIDANT CAPACITY (VCEAC) OF SAFFLOWER EXTRACTS
53. *Ivashchenko Iryna I., Ivanenko Galyna F., Rakhmetov Dzamal B.* MORPHOLOGICAL AND ANATOMICAL FEATURES OF LEAVES OF *ARTEMISIA ABROTANUM* L. (ASTERACEAE) UNDER CONDITIONS OF INTRODUCTION IN UKRAINIAN POLISSYA
54. *Jelev Natalia, Sprinceană Sabina, Ralea Tudor.* ACCELERATE APPRECIATION OF THE INFLUENCE OF NATURAL GROWTH REGULATOR *REGLALG* ON WHEAT (*Triticum aestivum* L.) FROST RESISTANCE

55. *Kotyuk Lyudmyla A., Rakhmetov Dzamal B.* COMPONENT COMPOSITION OF ESSENTIAL OIL FROM *DRACOCEPHALUM MOLDAVICA* L. GROWN IN THE UKRAINIAN POLISSYA
56. *Lysiuk Roman, Darmohray Roman.* CURRENT STATE OF CONSERVATION AND INTRODUCTION OF *ASTRAGALUS SPP* IN UKRAINE AS SOURCES OF PROMISING HERBAL SUBSTANCES
57. *Maiorescu E.* SUSTAINABLE USE AND QUALITY HANDLING IN HIGH DENSITY APPLE ORCHARD
58. *Maksymov Alexandr Pavlovich, Plugatar Yuriy Vladimirovich, Koba Vladimir Petrovich, Trikoz Natalya Nikolayevna, Khromov Alexandr Fyodorovich.* PROSPECTS OF INTRODUCTION OF *DASYLIRION WHEELERI (DASYLIRION WHEELERY S. WATSON EX ROTHROCK)* INTO LANDSCAPING OF THE SOUTHERN COAST OF THE CRIMEA
59. *Malina Raisa.* THE ADAPTATION OF VARIETIES OF PEACHES OF DIFFERENT ORIGIN TO LOCAL CLIMATIC CONDITIONS
60. *Onica E., Maşcenko N., Borovskaia A., Ivanova R.* THE INFLUENCE OF VERBASCOSIDE ON RHIZOGENESIS AND GROWTH OF LIGNIFIED CUTTINGS OF BLACK CHOKEBERRY, VARIETY "ALECSANDRINA"
61. *Onica Elisaveta.* QUANTITATIVE ANATOMY OF LEAF EPIDERMIS AT INTERGENERIC HYBRIDS QUINCE X APPLE (*CYDONIA X MALUS*)
62. *Pasat Olga.* EARLY FRUITING VARIETIES OF PEAR AS A FACTOR IN ACCELERATING THE BREEDING OF NEW VARIETIES
63. *Pintea Maria.* DIVERSIFICATION OF APRICOT (*Prunus armeniaca* L.) ASSORTMENT FOR SUSTAINABLE PRODUCTION IN THE CONDITIONS OF REPUBLIC OF MOLDOVA
64. *Popovici Ana.* MODIFICATION OF THE PHENOLS SUBSTANCES CONTENT IN PEAR FRUITS IN DEPENDING ON STORAGE CONDITIONS
65. *Roşca I., E. Onica, Palancean A.* PECULARITIES OF GROWTH AND DEVELOPMENT OF *STRANVAESIA DAVIDIANA* DECNE. SPECIES IN THE REPUBLIC MOLDOVA
66. *Roşca I., E. Onica, Palancean A.* CHARACTERISTICS OF GROWTH AND DEVELOPMENT OF THE SPECIES *SPARTIUM JUNCEUM* L. IN THE REPUBLIC OF MOLDOVA
67. *Sfeclă Irina* MORPHOLOGY AND ANATOMY OF THE LEAF IN SOME SPECIES OF THE GENUS *KNIPHOFIA* MOENCH.
68. *Sfeclă Irina, Sîrbu Tatiana, Dica Ana* THE DEVELOPMENT RATE OF SEVERAL SPECIES OF *HOSTA* TRATT. IN THE BOTANICAL GARDEN (INSTITUTE) OF THE ASM
69. *Sîrbu Tatiana, Pînzaru Pavel, Gorobei Tatiana.* *SCILLA SIBERICA* HAW. – VALUABLE ORNAMENTAL SPECIES CULTIVATED IN *EX-SITU* CONDITIONS
70. *Tabăra M., Ciorchină N., Trofim M.* THE CREATION OF A GOJI COLLECTION IN THE BOTANICAL GARDEN (I) OF THE ASM
71. *Țîmbali Valentina.* THE COLLECTION OF FERNS IN THE GREENHOUSES OF THE BOTANICAL GARDEN (INSTITUTE) OF THE ASM
72. *Țîmbali Valentina.* INTRODUCTION OF PLANTS OF *STRELITZIA REGINAE* AIT. IN THE REPUBLIC OF MOLDOVA
73. *Țiței Victor, Andreoiu Andreea Cristina.* *MISCANTHUS GIGANTEUS* CELL WALL COMPOSITION AND THEORETICAL BIOETHANOL POTENTIAL IN THE CONDITIONS OF MOLDOVA

74. *Titova Nina*. **PHYSIOLOGICAL CHARACTERISTICS OF DIFFERENT VARIETIES OF APRICOT**
75. *Todiras Natalia*. **WEDELIA TRILOBATA (L)HITCH.: OPPORTUNITIES FOR USE IN LANDSCAPING ON THE TERRITORY OF THE REPUBLIC OF MOLDOVA**
76. *Trofim M., Ciorchină N., Tabăra M.* **PESTS AND DISEASES OF IN VITRO CULTURES OF BLACKBERRY**
77. *Vakulenko T.B., Loya V.V., Kayutkina T.M.* **DIAGNOSTIC VALUE OF CARPOLOGICAL CHARACTERISTICS OF LAMIACEAE LINDL. FAMILY SOME SPECIES**
78. *Voineac Ina, Gargalic Svetlana*. **APPLICATION OF BIOLOGICALLY ACTIVE SUBSTANCES IN REPRODUCTION OF *HYACINTHUS ORIENTALIS L.* AND *LILIUM HYBRIDS***
79. *Voineac Ina*. **CONCERNING THE INTRODUCTION OF *ARGYRANTHEMUM FRUTESCENS L.* IN BOTANICAL GARDEN (INSTITUTE) OF ASM AND PERESPECTIVES OF ITS UTILIZATION**
80. *Zdioruk Nina, Jelev Natalia, Platovschii Nicolai, Ralea Tudor*. **RESISTANCE OF BOXWOOD (*BUXUS SEMPERVIRENS L.*) LEAVES TO NEGATIVE TEMPERATURES DEPENDING ON THEIR AGE AND THE SEASON OF THE YEAR**

III. Landscape architecture, environmental protection, ecological education

Moderator:

Ion Roșca, PhD, Botanical Garden (Institute) of the ASM

Adelina Dumitraș, PhD, Universitatea de Științe Agricole și Medicină Veterinară Cluj-Napoca

81. *Bădeanu Marinela*. **CHANGING INDIVIDUAL BEHAVIOR OF *LEPTINOTARSA DECEMLINEATA* ADULTS (*COLEOPTERA- CHRYSOMELIDAE*) ABOUT THE APPLICATION OF PLANT EXTRACTS AS TREATMENT TO COMBAT THEM**
82. *Bădeanu Marinela*. **THE USE OF MEDICINAL AND AROMATIC PLANT EXTRACTS AGAINST COLORADO BEETLE SPECIES - *LEPTINOTARSA DECEMLINEATA* (*COLEOPTERA -CHRYSOMELIDAE*)**
83. *Boancă Păunița, Dumitraș Adelina, Bors-Oprișa Sonia, Roșca Ion and Laczi Enico*. **SOIL COMPACTION IN URBAN AREA DEPENDING ON LAND USE - LIMITING FACTOR IN THE INTEGRATION OF GREEN INFRASTRUCTURE**
84. *Chiorescu Esmeralda, Filipov Feodor, Cojocarui Olesea, Bădeanu Marinela, Chiorescu Dan* **THE INFLUENCE OF SOIL POLLUTION WITH HEAVY METALS ON THE PRODUCTION QUALITY OF SOME PLANT TYPES GROWN IN THE IASI**
85. *Cojuhari T., Vrabie T., Pană S.* **NUTRITIVE ELEMENTS (P, K) IN TYPICAL FOREST BIOCENOSSES, RESERVE “CODRII”**
86. *Iurcu-Străistaru Elena, Bivol Alexei, Toderăș Ion, Rusu Ștefan, Știrșchii Cristina*. **AGRO BIOLOGICAL SIGNIFICANCE OF ECONOMIC DAMAGE THRESHOLD OF PARASITIC NEMATODES PLANT COMPLEXES OF THE GENUS *MELOIDOGYNE* VEGETABLE CROPS FROM PROTECTED LAND**
87. *Gavrilița Lidia, Nastas Tudor*. **REDUCTION OF *GRAPHOLITHA FUNEBRANA* HB. PEST DENSITY AT PLUM CULTURE**
88. *Leah Corina*. **ENVIRONMENTAL EDUCATION - THE HEALTHY LIFESTYLE'S**

DECISIVE FACTOR FOR POPULATION OF REPUBLIC OF MOLDOVA

89. *Leah Tamara*. **MULTIFUNCTIONAL ROLE OF PROTECTIVE FOREST PLANTATIONS IN THE SUSTAINABLE DEVELOPMENT OF THE AGRICULTURAL LANDSCAPES**
90. *Lisnic S., Corețcaia Iulia*. **IMPACT OF SOIL POLLUTION WITH COPPER ON CONTENT OF Cu, Mn AND Fe, NITRATE REDUCTASE AND PEROXIDASE ACTIVITY IN SOYBEAN AND SUGAR BEET PLANTS**
91. *Melnic Rodica*. **THE COMPARATIVE ASSESSMENT OF INDICES OF SOIL IN DEPENDING OF AGROTECHNOLOGIES APPLIED TO GROWING MAIZE**
92. *Melnik Rodica, Cojocaru Olesea, Popa Oxana*. **INFLUENCE OF THE SOIL OF PHYSICAL ACTIVITY INDEX CELLULOLYTIC WINTER WHEAT SUB AGROCOENOSES**
93. *Poșta Daniela Sabin, Sala Florin*. **INFLUENCE OF GROWTH SUBSTRATUM ON BIOMETRIC AND PHYSIOLOGICAL PARAMETERS IN COTONEASTER DAMMERI “SKOGHOLM” SAPLINGS**
94. *Poșta Daniela Sabina, Sala Florin*. **INFLUENCE OF SEED TREATMENT ON GERMINATION IN LABURNUM ANAGYROIDES MED.**
95. *Sasco Elena*. **IPROVEMENT OF COMMON WINTER WHEAT RESISTANCE TO FOLIAR DISEASES**
96. *Șirbu Tatiana, Sfeclă Irina, Roșca Ion*. **GARDEN OF FAIRY TALES**
97. *Știrschi Cristina, Bivol Alexei, Iurcu-Străistaru Elena*. **IMPORTANT AGRO – ECONOMIC RESEARCH ASPECTS OF HARMFUL ORGANISMS OF STRAWBERRY CROP *Fragaria moschata* IN FIELD CONDITIONS, THE CENTRE, MOLDOVA**
98. *Talmaci Ion, Talmaci Ludmila*. **EVOLUTION OF FORESTS’ CONTRIBUTION IN GREENHOUSE GAS BALANCE IN MOLDOVA DURING 1990-2015**
99. *Vition Pantelei*. **FAMILIES (COCCINELLIDAE AND CHRYSOPIDAE, INSECTA) IN PROTECTION STRIPE AND SOYA AGROECOSYSTEM**
100. *Vition Pantelei*. **TROPHIC LINK OF SOME ENTOMOPHAGES WITH SPONTANEONS PLANTS AND THE SOYA GROU (YOUNG PLANTS GROWTH)**

