



ACADEMY OF SCIENCES OF MOLDOVA

BOTANICAL GARDEN (INSTITUTE)

PROGRAMME

INTERNATIONAL SCIENTIFIC SYMPOSIUM

“CONSERVATION OF PLANT DIVERSITY”

**dedicated to the 65th anniversary
of the Botanical Garden (Institute) of the Academy of
Sciences of Moldova**

28 - 30 September 2015

Chisinau, Republic of Moldova

Organized by:

- Botanical Garden (Institute) of ASM

In collaboration with:

- Ministry of Environment of the Republic of Moldova
- Agency “Moldsilva”
- The Regional Environmental Centre

Under the patronage:

- 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, Academiei str., 5A. (29.09.2015) and the Reserve “Codrii” and Botanical Garden (Institute) of the ASM (30.09.2015).

Regulations:

- plenary session communication - 20 min
- section communication - 10 min
- Discussions - 5 min

PROGRAMME 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
- Maricica COLȚUN, PhD, vice-director on scientific problems of the Botanical Garden (Institute) of the ASM
- Alexandru CIUBOTARU, acad., Botanical Garden (Institute) of the ASM
- Maria DUCA, acad., rector, University of the Academy of Sciences of Moldova
- Paulina ANASTASIU, PhD, Prof., director of the Bucharest Botanical Garden, Romania
- Vasile CRISTEA, PhD, university professor, “Alexandru Borza” Botanical Garden, “Babes-Bolyai” University, Cluj-Napoca, Romania
- Natalia ZAIMENKO, Dr. hab., director of the “N.Grishko” National Botanical Garden, Kiev, Ucraina
- Alexandr DEMIDOV, PhD, director of the “N.V.Tsitsin” Main Botanical Garden, Moscow, Russia
- Valeriu MUNTEANU, Minister of Environment
- Vasile ȘALARU, corr. memb. Biology and Pedology Faculty of the Moldova State University
- Ion PLATON, Interim General Director of Agency “Moldsilva”

ORGANIZING COMMITTEE:

- Alexandru TELEUȚĂ, PhD, director of the Botanical Garden (Institute) of the ASM
- Maricica COLȚUN, PhD, vice-director on scientific problems 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 on general problems 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 ȘÎRBU, PhD, head of Floriculture Laboratory
- Ion ROȘCA, PhD, head of the Technology Transfer, Marketing, Production and Sale Sector
- Vitalie ABABII, research, Vegetal Resources Laboratory

SYMPOSIUM AGENDA

29 SEPTEMBER 2015

8.30 – 9.00 - registration of the participants

9.00 – 10.00 - welcome speech

10.00 – 11.30 - plenary session

Alexandru Teleușă, PhD, director of the Botanical Garden (Institute) of the ASM.

65th ANNIVERSARY OF THE BOTANICAL GARDEN (INSTITUTE) OF THE ASM: ACHIEVEMENTS AND PROSPECTS

Alexandru Ciubotaru, acad., Botanical Garden (Institute) of the ASM.

ASPECTS OF THE DEVELOPMENT OF THE BOTANICAL GARDEN (INSTITUTE) OF THE ASM

Paulina Anastasiu, PhD, Prof., director of the Bucharest Botanical Garden, Romania

ACHIEVEMENTS AND PROSPECTS FOR THE FURTHER DEVELOPMENT OF THE BOTANICAL GARDEN "D. BRANDZA" FROM BUCHAREST, ROMANIA

Natalia Zaimenko, Dr. hab., director of the "N. Grishko" National Botanical Garden, Kiev, Ukraine

PROSPECTS OF CONSERVATION AND ENRICHMENT OF PLANT DIVERSITY IN THE BOTANICAL GARDENS AND DENDROLOGICAL PARKS OF UKRAINE

Arcadie Capcelea, Dr. Hab., Senior Environmental Specialist, World Bank, Environment and Natural Resources Practice

STRENGTHENING SUSTAINABLE FOREST MANAGEMENT IN MOLDOVA

11.30 – 12.00 - Coffee break

Section no. I. Plant conservation. Landscape architecture, ecological education. (Small Hall of the Central Scientific Library „A. Lupan” of the ASM)

12.00 – 13.30 Section programme

Moderators:

Ghendov Veaceslav, PhD, Botanical Garden (Institute) of the ASM

Camelia Ștefanache, PhD, "Stejarul" Biological Research Centre, Piatra Neamt, Romania

Camelia Ștefanache

BIOTECHNOLOGICAL APPROACHES FOR THE PROPAGATION ON SEVERAL *NEPETOIDEAE* SPECIES FROM ROMANIA AND REPUBLIC OF MOLDOVA WITH PHYTOTHERAPEUTIC VALUE AND/OR RARE AND THREATENED

Ghendov Veaceslav

***ALLIUM FUSCUM* AND *ALLIUM PODOLICUM* (*ALLIACEAE* JUSS.) IN THE FLORA OF REPUBLIC OF MOLDOVA**

Miron Aliona, Postolache Gheorghe, Titica Ghenadie

THE CENOTAXONOMIC CONSPECT OF VEGETAL ASSOCIATIONS OF PROTECTED NATURAL AREA “LUNCĂ CU FIRUȚĂ”

Didukh A. Ya., Mazur T. P., Didukh M. Ya.

“MARSHLAND” EXPOSITION FOR RARE AND ENDANGERED SPECIES OF CARNIVOROUS PLANT COLLECTION OF O.V. FOMIN BOTANICAL GARDEN

Cantemir V., Pînzaru P., Ionița O., Tofan-Dorofeev E.

HIGHLY THREATENED SPECIES FROM THE FLORA OF THE REPUBLIC OF MOLDOVA PROPOSED FOR STATE PROTECTION

Tofan-Dorofeev Elena

CONTRIBUTIONS TO THE STUDY OF GENUS *ROSA* IN THE FLORA OF BESSARABIA

Cojocaru Olesea

THE APPEARANCE OF SOIL DEGRADATION IN THE RECEPTION BASIN “NEGREA”

Sirbu T.F., Biritsa K.B

ANTIFUNGAL ACTIVITY OF MICROMYCETES IN STRESSFUL SITUATIONS

Ivasishin Daniella

ORIGIN OF THE AUTHENTIC HYBRIDS OF *VITIS VINIFERA* L. X *VITIS ROTUNDIFOLIA* MICHX.

S.K.Temirbekova, E.I. Malakhova, Y.V. Afanasyeva

A NEW VARIETY OF BASIL VEGETABLE (*EUGENOL*) IN THE CONDITIONS OF CENTRAL REGION OF RUSSIAN FEDERATION

13.30 – 14.30 - Coffee break

14.30 – 15.00 - Examination of the posters

15.00 – 16.30 - Section programme

Moderators: *Ghendov Veaceslav, Camelia Ștefanache*

Postolache Gheorghe

IN SITU AND EX SITU CONSERVATION OF PLANT DIVERSITY IN THE REPUBLIC OF MOLDOVA

Vladicescu Veaceslav, Capcelea Arcadie

INTEGRATING BIODIVERSITY CONSERVATION IN ROAD REHABILITATION PROJECTS IN MOLDOVA

Manic Ștefan

MYCORRHIZAL MACROMYCETES IN THE REPUBLIC OF MOLDOVA

Ganea Anatol

IN SITU CONSERVATION OF PLANT AGRICULTURAL BIODIVERSITY – THE IMPORTANT FACTOR TO PRESERVE AND USE THE AUTOCHTHONOUS VEGETAL GENE POOL

Pavliuc Alina

CONSIDERATIONS ABOUT FLORA OF DOWNY OAK FORESTS (*QUERCUS PUBESCENS*) FROM THE LANDSCAPE RESERVATION “PĂDUREA HÂNCEȘTI”

Barcari Ecaterina,

THE INFLUENCE OF SOIL MOISTURE REGIME ON OAKS FROM CENTRAL CODRII

Ciobanu Cristina

CONSIDERATIONS ABOUT THE CONCEPT “HISTORIC GARDEN”

Melnic M., Pana S., Erhan D., Rusu Ș.

THE PHYTONEMATODES AT THE TREES FROM THE BOTANICAL GARDEN OF THE NATIONAL MUSEUM OF ETHNOGRAPHY AND NATURAL HISTORY

Cojuhari Tamara, Vrabie Tatiana, Pană S., Koterniak P.

THE QUANTITATIVE ESTIMATION OF CALCIUM AND MAGNESIUM IN HERBACEOUS PLANTS FROM ECOSYSTEMS OF NATURAL RESERVE “CODRII”

Tatiana Izverscaia, Veaceslav Ghendov, Nina Ciocarlan, Christoph Carlen, Xavier Simonnet
ARTEMISIA LERCHIANA WEB. EX STEHM. IN THE FLORA OF REPUBLIC OF MOLDOVA

Discussions

Section no. II. Plant introduction and sustainable use of plant resources.
(Conference Hall of the Central Scientific Library „A. Lupan” of the ASM)

12.00 – 13.30 Section programme

Moderators:

Alexandru Teleuță, PhD, director of the Botanical Garden (Institute) of the ASM

Diana Popa, Scientific researcher, Agricultural Research and Development Station Secuieni, Romania

Teleuță Alexandru, Țiței Victor

INTRODUCTION AND USE OF FODDER LEGUMES

Găucă Constantin, Popa Diana, Buburuz Alexandra, Druțu Cătălina, Pochișcanu Simona, Naie Marieta, Lăzăroiu Daniel

STUDY OF THE WILD, SPONTANEOUS HEMP FORMS AND LOCAL POPULATIONS REGARDING THE CONTENT OF THC AND THEIR USE IN THE BREEDING PROCESS OF THE MONOECIOUS HEMP

Sîrbu Tatiana

INTRODUCTION AND IMPROVEMENT OF ORNAMENTAL PLANTS

Ciorchină N., Ciubotaru A., Cutcovschi- Muștuc Alina

INTRODUCTION AND MICROPROPAGATION OF VALUABLE SPECIES FOR THE NATIONAL ECONOMY

Ruguzova Anna

SEED FORMATION IN *TORREYA GRANDIS* INTRODUCED TO THE SOUTHERN COAST OF CRIMEA

Stingaci Aurelia, Zavtony Pantelemon

ENTORNOPATHOGENIC VIRUSES DIVERSITY AND USE AS BIOINSECTICIDES

Lozinschii Mariana

BIOLOGICAL ASPECTS OF VARIETIES OF BLACKBERRY CHESTER AND THORNLESS EVERGREEN

Roșca I., Palancean A., Dumitraș Adelina, Pop – Boancă Păunița

SELECTING DECIDUOUS PLANTS FOR SPECIFIC CHARACTERISTICS OR PURPOSES

13.30 – 14.30 - Coffee break

14.30 – 15.00 - Examination of the posters

15.00 – 16.30 - Section programme

Moderators: *Diana Popa, Alexandru Teleuță,*

V. Bucațel

INTRODUCTION OF WOODY PLANTS IN THE BOTANICAL GARDEN OF THE ASM

V.Țîmbalî

INTRODUCTION OF GREENHOUSE PLANTS IN THE BOTANICAL GARDEN OF THE ASM

Savin Gh., Cornea V.

GENOTYPIC DIVERSITY OF GRAPEVINE GENE POOL

Chisnicean Lilia

PROMISING SPICY-AROMATIC PLANTS OF THE BOTANICAL GARDEN OF THE ASM

Mironova L.N., Reut A.A.

NEW VARIETIES OF PEONIES BRED IN BOTANICAL GARDEN-INSTITUTE, UFA SCIENTIFIC CENTER

Nina Ciocârlan, Veaceslav Ghendov, Camelia Stefanache, Christoph Carlen, Xavier Simonnet

BIOLOGICAL STUDIES OF *ARTEMISIA ANNUA* L. AND *A. ABSINTHIUM* L. (*ASTERACEAE*) IN NATURAL POPULATIONS IN REPUBLIC OF MOLDOVA

Titei Victor, Teleuță Alexandru

COLLECTION OF ENERGY PLANTS SPECIES OF THE BG (I) ASM AND PROSPECTS OF USING THEM IN THE REPUBLIC OF MOLDOVA

Elisovetskaya Dina

PLANTS IN PROTECTION OF AGRICULTURAL CROPS AGAINST PESTS AND DISEASES

Cîrlig Natalia

SEED GERMINATION OF *POLYGONUM SACHALINENSE* F. SCHMIDT UNDER THE CONDITIONS OF THE REPUBLIC OF MOLDOVA

Discussions

16.30. – 17.30 Plenary session

- Communication of the moderators
- Discussions
- Decision International Scientific Symposium “**CONSERVATION OF PLANT DIVERSITY**” dedicated to the 65th anniversary of the Botanical Garden (Institute) of the Academy of Sciences of Moldova, 28-30 September 2015, Chisinau, Republic of Moldova

18.00 - Welcome reception

30 SEPTEMBER 2015

9.00 - 12.00 FIELD EXCURSION

- Monastic Complex of Curchi
- “Codrii” Reserve

12.00 – 13.00 COFFEE BREAK

14.00 BOTANICAL GARDEN (INSTITUTE) OF THE ASM

- Arboretum. Moderator dr. V. Bucețel;
- Flowering plant collection. Moderator dr. Tatiana Sîrbu;
- Medicinal and aromatic plant collection. Moderator dr. Lilia Cisnicean;
- Fodder crops. Moderator dr. A. Teleuță.
- Tropical plant collection. Moderator dr. Valentina Țîmbalî.

POSTER SESSION

Plant conservation

Agapi Ion, Deomidova Cristina

SUSTAINABLE USE, DEVELOPMENT, CONSERVATION AND MANAGEMENT OF FOREST GENETIC RESOURCES

Agapi Ion, Grigoraş Nicolae

FOREST REPRODUCTIVE MATERIAL AND CONSERVATION OF FOREST GENETIC RESOURCES IN THE REPUBLIC OF MOLDOVA

Bylici Elena

SCREENING OF ACCESSIONS OF MAIZE COLLECTION BY HEAT AND DROUGHT RESISTANCE

Caisîn Valeriu, Istrati Constantin, Adam Iurie

THE EVOLUTION OF THE CONCEPT OF FOREST GENETIC RESOURCES IN REPUBLIC OF MOLDOVA

Cantemir Valentina

THE ROLE OF BOTANICAL GARDENS IN *EX SITU* AND *IN SITU* CONSERVATION

Corlateanu L.B.

ROLE OF GENE BANKS IN CONSERVATION OF PLANT GERMPLASM

Crâsmaru Valentin

UNDERSOWN CROPS - SOLUTION FOR CONSERVATION AGRICULTURE

Ghendov Veaceslav, Ciocârlan Nina, Danila Doina

***IN SITU* AND *EX SITU* STUDY OF *NEPETA PANNONICA* IN REPUBLIC OF MOLDOVA**

Gogu Vitalie

PECULIARITIES OF STANDS REGENERATION IN THE ECOLOGICAL RECONSTRUCTION PROCESS IN THE "CODRII" RESERVE

Grati Vladislav

CONDITIONS OF VEGETATION IN THE ISC STRASENI

Ionita Olga

NOTES ON SOME THREATENED SPECIES OF *ASTERACEAE* IN THE FLORA OF THE REPUBLIC OF MOLDOVA

Ioniţă Olga, Tofan-Dorofeev Elena

SPECIES OF *SERRATULA* L. (*ASTERACEAE* DUMORT.) FOR THE RED BOOK OF THE REPUBLIC OF MOLDOVA

Ishchuk L.P.

THE EXTENT OF DAMAGE CAUSED BY WHITE MISTLETOE (*VISCUM ALBUM* L.) TO THE FAMILY *SALICACEAE* MIRBEL. IN BILA TSERKVA

Izverscaia Tatiana

RARE SPECIES OF THE GENUS *ASTRAGALUS* L. (*FABACEAE*) IN DNIESTER-PRUT RIVER REGION

Izverscaia Tatiana, Ghendov Veaceslav, Ciocârlan Nina

***ARTEMISIA LERCHIANA* WEB. EX STEHM. IN THE FLORA OF REPUBLIC OF MOLDOVA**

Jardan Natalia

SYNANTHROPE PLANTS FROM "CODRII" RESERVE

Lazu Şt., Teleuţă Al., Postolache Gh., Titică Gh., Ludmila Talmaci

NATURAL AREA "PAJIŞTEA GURA-OITUZ"

Mammadova S.A., Mirzaliyeva I.A.

CONSERVATION OF THE SEED POOL OF PLANT GENETIC RESOURCES IN AZERBAIJAN

Marchenko A.B

ROOT AND BASAL ROTS OF GENUS *ROSA* L. ORNAMENTAL SHRUBS

Miron Aliona, Titică Ghenadie, Postolache Gheorghe, Pavliuc Alina

CONTRIBUTION TO RESEARCH OF SPONTANEOUS FLORA OF THE REPUBLIC OF MOLDOVA

Pînzaru Pavel, Ruschuk Alexander

TWO IMPORTANT HABITATS IN THE NATURE OF THE REPUBLIC OF MOLDOVA

Postolache Gh.

CURRENT PRESERVATION ISSUES AND CONCERNS OF SECULAR TREES IN THE REPUBLIC OF MOLDOVA

Romanciuc Gabriela

THE ROLE OF TAXONOMY IN PLANT GENETIC RESOURCES DOCUMENTATION

Slanină Valerina, Batîr Ludmila, Sîrbu Tamara

ANTIFUNGAL ACTIVITY OF SOME STRAINS OF MICROORGANISMS AFTER 3 AND 6 YEARS OF LYOPHILIZATION

Slepykh A.A.,

PHENOTYPIC VARIABILITY OF ENGLISH OAK (*QUERCUS ROBUR L.*) IN THE DONBASS REGION

Titică Ghenadie

FLORA AND VEGETATION OF SEMI-DESERT GRASSLAND AREA "CÎȘLIȚA-PRUT"

Tofan-Dorofeev Elena

SPECIES OF *AGRIMONIA L.* (*ROSACEAE* JUSS.) FOR THE FLORA OF BESSARABIA

Tofan-Dorofeev Elena, Ioniță Olga

***ROSA INODORA* FRIES – RARE SPECIES FOR THE FLORA OF THE REPUBLIC OF MOLDOVA**

Topală Ștefan, Dadu Constantin

SYNTHESIS OF THE NEW GRAPE GENOME AS A REMARKABLE ACHIEVEMENT IN THE CYTOGENETICS OF *VITIS VINIFERA L.*

Tsiganash D., Tsiganash V.

BREEDING INVESTIGATION IN ORDER TO IMPROVE THE PRODUCTIVITY AND QUALITY OF PROTEIN OF MAIZE

Tsiganash V., Tsiganash D

PROGRESS OF IMPROVING THE QUALITY OF STARCH IN WAXY-1 MAIZE

Plant introduction and sustainable use of plant resources

Ababii Vitalie

THE INFLUENCE OF SEED AGE ON GERMINATION ENERGY AND GERMINATION PERCENTAGE OF *GALEGA ORIENTALIS LAM.*

Batîr Ludmila, Zosim Liliana, Elenciuc Daniela

COPPER DISTRIBUTION IN DIFFERENT FRACTIONS EXTRACTED FROM *SPIRULINA BIOMASS*

Bucatsel V.

PERSPECTIVES OF INTRODUCTION OF GYMNOSPERMS IN MOLDOVA

Calalb Tatiana, Leca Ion

SOME BIOLOGICAL AND PHYTOCHEMICAL ASPECTS OF *MONARDA FISTULOSA L.* SPECIES FROM CENTER OF MEDICINAL PLANT CULTIVATION OF USMF "NICOLAE TESTEMITANU"

Chisnicean Lilia

BIOLOGICAL ASPECTS OF THE INTRODUCTION OF *CARDIOSPERMUM HALICACABUM L.* IN THE BOTANICAL GARDEN OF THE ASM

Ciocârlan Nina

STUDIES CONCERNING MEDICINAL *LAMIACEAE* SPECIES IN THE BOTANICAL GARDEN OF ASM

Ciocârlan Nina, Ghendov Veaceslav, Simonnet Xavier, Ștefanache Camelia, Danila Doina, Carlen Christoph

BIO-ECOLOGICAL STUDIES OF *ARTEMISIA ANNUA L.* AND *A. ABSINTHIUM L.* (*ASTERACEAE*) IN NATURAL POPULATIONS IN REPUBLIC OF MOLDOVA

Ciorchină N., Sedcenco M., Josu M., Cutcovschi-Muștuc A.

INTRODUCTION AND MICROPROPAGATION OF CULTIVARS OF THE GENUS LYCIUM

Ciorchină Nina, Gorceag Maria, Sofroni Maria, Cristian Cristina, Trofim Mariana
MICROPROPAGATION PROTOCOL OF PAULOWNIA THROUGH *IN VITRO* CULTURE TECHNIQUE

Codreanu Valentin

THE QUANTITATIVE ANATOMY OF THE EPIDERMIS OF GRAPEVINE LEAVES (*VITIS L.*)

Colțun Maricica

SOME ASPECTS OF THE DEVELOPMENT OF THE *MONARDA* SPECIES IN THE REPUBLIC OF MOLDOVA

Comanici Ion

THE LOCAL POPULATION - GENETIC BASIS FOR THE SELECTION OF WALNUT VARIETIES

Cutcovschi-Muștuc Alina, Calalb Tatiana, Ciorchină Nina, Sofronii Maria

TYPES OF CALLUS MASS OF *WITHANIA SOMNIFERA (L.) DUNAL*

Dombrov Ludmila

THE ONTOGENETIC CHARACTERISTICS OF *OCIMUM BASILICUM L.* UNDER CONDITIONS OF REPUBLIC OF MOLDOVA

Gaponenko M.B., Loya V.V., Gnatiuk A.M.

ANTHECOLOGICAL RELATIONS OF INTRODUCED ORCHIDS AT THE M.M. GRYSKO NATIONAL BOTANICAL GARDEN NAS OF UKRAINE

Grigorița Lilia

ASPECTS OF THE INTRODUCTION OF PLANTS OF THE FAMILY *AGAVACEAE* IN THE GREENHOUSES OF THE BG (I) OF ASM

Krekova Y.A., Chebotko N.K., Serafimovich M.V.

THE LIFE STATE OF *QUERCUS ROBUR L.* IN THE CONDITIONS OF NORTHERN KAZAKHSTAN

Krekova Y.A., Chebotko N.K., Serafimovich M.V.

***EUONYMUS WARTY (EUONYMUS VERRUCOSA SCOP.)* IN COLLECTIBLE PLANTATIONS OF NORTHERN KAZAKHSTAN**

Lozinschii Mariana, Ciorchină Nina

THE CHARACTERISTICS OF THE THORNLESS EVERGREEN CULTIVAR MULTIPLICATION THROUGH MICRO-CLONING

Lungu A., Onofras L., Todiras V., Prisacari S., Mohova T.

INFLUENCE OF NODULE BACTERIA (*RHIZOBIUM MELILOTI*) UPON THE PRODUCTIVITY OF ALFALFA PLANTS

Lupan Aurelia

BOTANICAL GARDEN (INSTITUTE) – AN INEXHAUSTIBLE SOURCE OF NEW PLANT VARIETIES (ASPECTS ON THEIR PATENTABILITY)

Micu V.E. Micu A.A.

SCREENING AND IMPLEMENTATION OF AN ENERGY INTENDED CROP – JERUSALEM ARTICHOKE (*HELIANTHUS TUBEROSUS L.*)

Mascovteva Svetlana, Goncariuc Maria, Botnarenco P., Balmus Zinaida, Butnarus Violeta, Cotelea Ludmila

STUDYING OF MATERNAL FORMS OF *LAVANDULA ANGUSTIFOLIA MILL* ON CONTENT AND QUALITY OF ESSENTIAL OIL

Mihaila Victoria, Brinzan Alexandru

MANIFESTATION OF SOME BIOLOGICAL TRAITS OF *CUPHEA* GENUS

- Mirza Alexandru*
THE INDUCTION OF THE MICROCLONAL AND MICROPROPAGATION PROCESSES IN *IN VITRO* CULTURE OF BLACKBERRY X RASPBERRY HYBRID TAYBERRY
- Musteatsa Grigore*
SOME PARTICULARITIES OF VEGETATIVE REGENERATION OF CROP FIELD PASSIFLORA IN MOLDOVA'S CONDITIONS
- Onica E., Palancean A., Roşca I.*
BIOLOGY OF REPRODUCTION OF THE SPECIES *AMELANCHIER ALNIFOLIA* (NUTT.) NUTT
- Onica Elisaveta*
MORPHO-ANATOMICAL CHARACTERS OF GENERATIVE ORGANS OF INTERGENERIC HYBRIDS *CYDONIA X MALUS*
- Palancean Alexei*
CULTIVATED DENDROFLORA OF THE REPUBLIC OF MOLDOVA
- Palancean A., Florea V., Onica E., Roşca I.*
GROWTH AND DEVELOPMENT OF THE VARIETY "ALECSANDRINA" OF *ARONIA MELANOCARPA* (MICHX.) ELLIOT IN THE REPUBLIC OF MOLDOVA
- Palancean A., Onica E., Roşca I.*
GROWTH AND DEVELOPMENT PECULIARITIES OF THE SPECIES *EXOCHORDA RACEMOSA* IN THE REPUBLIC OF MOLDOVA
- Pintea Maria*
EMBRYO AND ENDOSPERM DEVELOPMENT OF WALNUT (*J. regia* L.).
- Pintea Maria*
STUDIES OF APRICOT POLLINATION COMPATIBILITY OF LOCAL AND INTRODUCED APRICOT (*Prunus armeniaca* L.) VARIETIES IN REPUBLIC OF MOLDOVA
- Pochişcanu Simona – Florina, Robu Teodor, Druţu Cătălina, Popa Diana, Troţuş Elena*
THE INFLUENCE OF TEMPERATURE ON GRAINS GERMINATION AT *SORGHUM BICOLOR* L.
- Prisacari S., Todiras V., Onofras L., Lungu A*
MICROORGANISMS WITH STIMULATORY CAPACITY IN CORN
- Rogacico Sergiu*
INTRODUCTION OF PLANTS OF THE GENUS *ASTROPHYTUM* (FAM. CACTACEAE) IN THE GREENHOUSES OF THE BG (I) OF THE ASM
- Rosca Nina, Musteatsa Grigore, Baranova Natalia*
THE USEFUL VALUE OF DIFFERENT SEGMENTS IN HARVESTING AT *ORIGANUM VULGARE* L.
- Sasco Elena*
THE CALLUSOGENESIS OF MATURE EMBRYOS TO RECIPROCAL HYBRIDS OF *TRITICUM AESTIVUM* L. AND THE MANIFESTATION REACTION TO *HELMINTHOSPORIUM AVENAE* CULTURE FILTRATE
- Sedcenco Maria*
PERSPECTIVES OF METHODS OF *IN VITRO* CULTURE IN THE CONSERVATION OF RARE SPECIES
- Shikhlinski H.M., Mammadova N.Kh.*
THE CONDITION OF MICROORGANISMS CAUSING ROTTING OF GRAPE ROOT INFECTED BY *PHYLLOXERA* IN GAZAKH REGION
- Sirbu Tatiana*
CONTRIBUTIONS TO INTRODUCTION OF *SANTOLINA* L. SPECIES IN THE BOTANICAL GARDEN (I) OF ASM
- Sirbu Tatiana*
***CATANANCHE COERULEA* L. - A NEW ORNAMENTAL SPECIES**

Smerea Svetlana

**ASSESSMENT OF VARIATION ON POTATO SOMACLONES USING
BIOCHEMICAL ANALYSIS**

*Stefanache Camelia P., Ciocarlan Nina, Ghendov Veaceslav, Danila Doina, Simonnet Xavier,
Carlen Christoph*

**CAPITALIZATION OF THE NATURAL POTENTIAL OF SEVERAL ARTEMISIA
SPECIES IN THE FLORA OF REPUBLIC OF MOLDOVA**

Tarhon P.

**BIOLOGICAL BASIS OF INTRODUCTION OF ANGIOSPERM WOODY PLANTS IN
MOLDOVA**

Teleuță Alexandru, Țiței Victor

**INTRODUCTION AND USE OF NEW PERENNIAL FODDER LEGUMINOUS
PLANTS**

Țîmbali Valentina

**ASSORTMENT OF PLANTS FOR IMPROVING INDOOR AIR QUALITY IN
MEDICAL INSTITUTIONS**

Todirash Natalia

**ANALYSIS OF THE PHENOLOGICAL SPECTRUM OF REPRESENTATIVES OF
HAWORTHIA DUVAL IN THE GREENHOUSE COLLECTION OF BOTANICAL
GARDEN OF REPUBLIC OF MOLDOVA**

Trofim Mariana, Ciorchină Nina, Lozinschii Mariana, Cuzmin Elvira

**ADAPTATION OF CULTIVARS OF THE GENUS RUBUS TO EX VITRO
CONDITIONS**

Voineac Ina, Gargalic Svetlana

VEGETATIVE PROPAGATION OF HYACINTHUS ORIENTALIS L.

Zosim Liliana, Batir Ludmila, Elenciuc Daniela

**NEW PROCEDURES FOR OBTAINING SPIRULINA BIOMASS WITH HIGH
CONTENT OF IRON AS AN EFFECTIVE COMPONENT PART**

Landscape architecture, ecological education

Burtseva S.A., Sirbu T.F., Birsa M.N., Biritsa K.

**MICROBIAL CAPACITY FOR SOLVING OF BIOECOLOGICAL PROBLEMS OF
MOLDOVA**

Debelaia-Buracinschi SVETLANA

**INFORMATION, COMMUNICATION AND ENVIRONMENTAL EDUCATION IN
REPUBLIC OF MOLDOVA**

Doiko N.M., Krivduk L.M.

**USING SHRUBS IN THE LANDSCAPE PARK "ALEXANDRIA". HISTORY AND
MODERNITY**

Donica Ala

**ECOLOGICAL EDUCATION THROUGH THE ENVIRONMENTAL PROJECTS
AIMING THE NATIVE LOCALITY**

Poșta Daniela Sabina

**LANDSCAPING THE AREA NEAR THE BUASVM „KING MICHAEL I OF
ROMANIA” FROM TIMISOARA IN A MIXED STYLE**

Poșta Daniela Sabina

**THE GREENSPACE ARRANGEMENT IN A PRIVATE GARDEN IN THE AREA
DUMBRĂVIȚA**