



CONSERVATION OF PLANT DIVERSITY *IN SITU* AND *EX SITU*

National Conference with International Participation dedicated to the
75th Anniversary of the "Alexandru Ciubotaru" National Botanical Garden (Institute)
October 8–10, 2026, Chisinau, Republic of Moldova

INVITATION - PROGRAMME

75
YEARS

SCIENCE
PEOPLE
PLANTS
A SUSTAINABLE
TOMORROW

Chisinau, 2026

CO-ORGANIZERS



PARTNERS



Venue: Blue Hall of the Academy of Sciences of Moldova
1 Stefan cel Mare si Sfant Blvd., Chisinau, Republic of Moldova
simpoziongb@gmail.com



Dear

We are pleased to invite you to the scientific conference
“CONSERVATION OF PLANT DIVERSITY *IN SITU* AND *EX SITU*”
which will take place on October 8–10, 2026

Venue: Blue Hall of the Academy of Sciences of Moldova
1 Stefan cel Mare si Sfânt Blvd., Chisinau

ORGANIZERS

“Alexandru Ciubotaru” National Botanical Garden (Institute),
Moldova State University,
Academy of Sciences of Moldova
&
“ECOSPECTRU” Public Association,
National Office for the Implementation of Environmental Projects

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DANDARA Otilia, Professor, Doctor Habilitate, RECTOR, Moldova State University

DUCA Maria, Academician, Director, Doctoral School of Natural Sciences, Moldova State University

HRABOVYI Volodymyr, PhD, “Sofiyivka” National Dendrological Park, National Academy of Sciences of Ukraine, Uman, Ukraine

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POSTOLACHE Gheorghe, Research Professor, Doctor Habilitate, “Alexandru Ciubotaru” National Botanical Garden (Institute), Moldova State University

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TANASE Catalin, Professor, PhD, Corresponding Member of the Romanian Academy, Director, “Anastasie Fatu” Botanical Garden, “Alexandru Ioan Cuza” University of Iasi, Romania

TIGHINEANU Ion, Academician, President of the Academy of Sciences of Moldova

UNGUREANU Laurentia, Corresponding Member of the Academy of Sciences of Moldova, Research Professor, Doctor Habilitate in Biological Sciences, Vice-Rector for Research, Moldova State University

ZAIMENCO Natalia, Professor, PhD, Corresponding Member of the NAS of Ukraine, Deputy Chair, Commission of the NAS of Ukraine on Organizing the Activities of Scientific Sites that are National Heritage; Member, Bureau of the Department of General Biology of the NAS of Ukraine

RAKHMETOV Dzhamal, Professor, Doctor Habilitate of Agricultural Sciences, Director, “M. M. Grishko” National Botanical Garden, National Academy of Sciences of Ukraine

KOLOMIYCHUK Vitalii, Associate Professor, Doctor Habilitate of Biological Sciences, Deputy Director, “O. V. Fomin” Botanical Garden, “Taras Shevchenko” National University of Kyiv, Ukraine

ORGANIZING COMMITTEE

Chair

ROSCA Ion, PhD, Director, “Alexandru Ciubotaru” National Botanical Garden (Institute), Moldova State University

Members

BUCATEL Vasile, PhD, Dendrology Laboratory, “Alexandru Ciubotaru” National Botanical Garden (Institute), Moldova State University

CIRLIG Natalia, PhD, President of the Trade Union Committee, “Alexandru Ciubotaru” National Botanical Garden (Institute), Moldova State University

COLTUN Maricica, PhD, Head, Plant Resources Laboratory, “Alexandru Ciubotaru” National Botanical Garden (Institute), Moldova State University

CUTCOVSCHI-MUSTUC Alina, PhD, Scientific Secretary, “Alexandru Ciubotaru” National Botanical Garden (Institute), Moldova State University

GHENDOV Veaceslav, PhD, Head, “Andrei Negru” Spontaneous Flora and Herbarium Laboratory, “Alexandru Ciubotaru” National Botanical Garden (Institute), Moldova State University

MANIC Stefan, Doctor Habilitate, “Andrei Negru” Spontaneous Flora and Herbarium Laboratory, “Alexandru Ciubotaru” National Botanical Garden (Institute), Moldova State University

MIRON Aliona, PhD, Head, Geobotany and Forestry Laboratory, “Alexandru Ciubotaru” National Botanical Garden (Institute), Moldova State University

SIRBU Tatiana, PhD, Head, Ornamental Plants Laboratory, “Alexandru Ciubotaru” National Botanical Garden (Institute), Moldova State University

TABARA Maria, PhD, Head, Embryology and Biotechnology Laboratory, “Alexandru Ciubotaru” National Botanical Garden (Institute), Moldova State University

TIMBALI Valentina, PhD, Head, Protected-Ground Plants Laboratory, “Alexandru Ciubotaru” National Botanical Garden (Institute), Moldova State University

ONICA Natalia, Head, Landscape Architecture Department, “Alexandru Ciubotaru” National Botanical Garden (Institute), Moldova State University

REONEAC Ion, Head, Service and Housekeeping Department, “Alexandru Ciubotaru” National Botanical Garden (Institute), Moldova State University

MAMAI Iulian, PhD, Deputy Director, “Moldsilva” Agency

TALMACI Ion, Director, Forest Research and Management Institute

GALUPA Dumitru, PhD, Forest Engineer, Consultant, Forest Research and Management Institute

PROGRAMME

OCTOBER 8

ARRIVAL AND ACCOMMODATION OF INTERNATIONAL PARTICIPANTS

OCTOBER 9

09:00 – 10:00 REGISTRATION OF PARTICIPANTS

10:00 – 11:00 OPENING CEREMONY

10:00 – 16:30 Exhibition of postage stamps and philatelic items dedicated to the Botanical Garden; Exhibition of jubilee coins dedicated to the Red Book

11:00 – 11:30 Coffee break

11:30 – 13:00 PLENARY SESSION

13:00 – 14:00 Lunch

14:00 – 16:00 ORAL PRESENTATIONS IN THEMATIC SESSIONS

16:00 – 16:30 Coffee break

**16:30 – 17:00 ADOPTION OF THE CONFERENCE RESOLUTION.
CLOSING REMARKS**

OCTOBER 10

09:00 – 15:00 Thematic excursion

15:30 – Departure of participants

PLENARY SESSION

October 9

Chairs: TIGHINEANU Ion, Academician, President of the Academy of Sciences of Moldova

UNGUREANU Laurentia, Corresponding Member of the Academy of Sciences of Moldova, Research Professor, Doctor Habilitate in Biological Sciences, Vice-Rector for Research, Moldova State University
Blue Hall of the Academy of Sciences of Moldova, 1 Stefan cel Mare si Sfânt Blvd., Chisinau

11:30 – 11:45 ROSCA Ion. 75 YEARS OF THE “ALEXANDRU CIUBOTARU” NATIONAL BOTANICAL GARDEN (INSTITUTE), MOLDOVA STATE UNIVERSITY, “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

11:45 – 12:00 TANASE Catalin, BIRSAN Ciprian. UNIQUE NATURAL VALUES IN THE IASI BOTANICAL GARDEN, 170 YEARS AFTER ITS FOUNDATION, “Anastasie Fatu” Botanical Garden, Iasi, Romania

12:00 – 12:15 BADEA Ovidiu. ECOSYSTEM FUNCTIONS AND SERVICES PROVIDED BY FORESTS FOR HUMAN HEALTH AND WELL-BEING, “Marin Dracea” National Institute for Research and Development in Forestry, Romania

12:15 – 12:30 ANASTASIU Paulina, CAMEN-COMANESCU Petronela. BOTANICAL GARDENS — AN ACTIVE FACTOR IN ENVIRONMENTAL PROTECTION EDUCATION, Association of Botanical Gardens in Romania, “D. Brandza” Botanical Garden, Bucharest, Romania

12:30 – 12:45 CALALB Tatiana. MEDICINAL PLANTS — SOURCES OF BIOACTIVE COMPOUNDS AND SUSTAINABLE VALORIZATION STRATEGIES IN THE PHARMACEUTICAL, NUTRACEUTICAL AND COSMETIC FIELDS: FROM *IN VIVO* TO *IN VITRO*, “Nicolae Testemitanu” State University of Medicine and Pharmacy, Chisinau, Republic of Moldova

12:45 – 13:00 BADULESCU Liliana Aurelia. RESEARCH WITHOUT BORDERS — COOPERATION, INTERDISCIPLINARITY, SUSTAINABLE RESULTS, University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania

ORAL PRESENTATIONS

Thematic Sessions A, B:

- A. CONSERVATION OF PLANT AND FUNGAL DIVERSITY**
B. COLLECTIONS IN BOTANICAL GARDENS. BIOTECHNOLOGY, PROTECTION AND SUSTAINABLE USE OF PLANT RESOURCES

Chairs: **ANASTASIU Paulina**, Professor, PhD, Director, “D. Brandza” Botanical Garden, University of Bucharest, Romania

ROSCA Ion, PhD, Director, “Alexandru Ciubotaru” National Botanical Garden (Institute), Moldova State University

Blue Hall of the Academy of Sciences of Moldova, 1 Stefan cel Mare si Sfânt Blvd., Chisinau

BOANCA Paunita Iuliana, DUMITRAS Adelina, BODEA Sonia, NISTOR Rares. HERITAGE, LANDSCAPE AND HEALTH: REVITALIZATION OF THE CENTRAL GREEN SQUARE OF THE “DR. CAROL DAVILA” CENTRAL MILITARY EMERGENCY UNIVERSITY HOSPITAL IN BUCHAREST, University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca, Romania

BUSMACHIU Galina. THE DIVERSITY OF DRAGONFLIES (INSECTA: ODONATA) IN THE CHISINAU BOTANICAL GARDEN, Institute of Zoology, MSU, Chisinau, Republic of Moldova

CALALB Tatiana. FROM THE STUDY OF MEDICINAL PLANTS TO THE SUSTAINABLE VALORIZATION OF PLANT RESOURCES: RESEARCH, TRAINING, AND COLLABORATION, “Nicolae Testemitanu” State University of Medicine and Pharmacy, Chisinau, Republic of Moldova

DOBROJAN Sergiu, JIGAU Gheorghe, DOBROJAN Galina, MELNIC Victor, MELNIC Angela, PLAVAN Gabriel-Ionut. QUANTITATIVE EFFECTS OF THE USE OF *CHLORELLA VULGARIS* SUSPENSION IN THE CULTIVATION OF MEDICINAL, FOOD AND MELLIFEROUS PLANTS, “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

DUMITRAS Adelina, BOANCA Paunita Iuliana, BODEA Sonia, NISTOR Rares. FROM ANALYSIS TO PROJECT DEVELOPMENT: THE ROLE OF LANDSCAPE AND DENDROLOGICAL STUDIES IN THE PLANNING PROCESS, University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca, Romania

GLADEI Mihai. RHIZOGENIC GRAPEVINES AS A RESPONSE TO CLIMATE CHANGE CONDITIONS, Institute of Genetics, Physiology and Plant Protection, MSU, Chisinau, Republic of Moldova

IONITA Olga, TOFAN-DOROFEEV Elena. *EX SITU* CONSERVATION OF ENDANGERED SPECIES OF THE GENUS *SERRATULA* IN THE FLORA OF THE REPUBLIC OF MOLDOVA, “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

MANIC Stefan, MANIC Teodora. THE SOCIOLOGICAL SIGNIFICANCE OF MACROMYCETES IN THE REPUBLIC OF MOLDOVA, “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

MANOLE Svetlana. SEED PRODUCTIVITY IN *HEMEROCALLIS* × *HYBRIDA* HORT. UNDER BREEDING CONDITIONS, “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

PINZARU Pavel, SLIVCA Vasili. THE VASCULAR FLORA OF THE “PAJISTEA VRANESTI” GRASSLAND, REPUBLIC OF MOLDOVA, “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

PLESCA Ioana-Maria, MIRON Aliona, FLORENTA Veronica, IRIMIA Irina, FLORENTA Gheorghe, PLESCA Bogdan-Ionut. DISTRIBUTION OF THE DOWNY OAK IN ROMANIA AND THE REPUBLIC OF MOLDOVA, “Marin Dracea” National Institute for Research and Development in Forestry, Voluntari, Romania

PLESCA Ioana-Maria, SIDOR Cristian, CADAR Nicolae, LAZARICA Alexandru, PITAR Daniel, PLESCA Bogdan-Ionut. CONSERVATION OF THE ARBORETUMS ADMINISTERED BY INCDS “MARIN DRACEA” IN THE CONTEXT OF CLIMATE CHANGE, “Marin Dracea” National Institute for Research and Development in Forestry, Voluntari, Romania

POSTOLACHE Gheorghe. RESEARCH ON THE VEGETATION OF THE REPUBLIC OF MOLDOVA OVER THE LAST THREE DECADES, “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

SIRBU Tatiana, SLIVCA Vasili, SABAROV Doina, RUDI Tamara, MIRZA Alexandru. THE INTERNATIONAL SEED EXCHANGE — ACHIEVEMENTS AND PROSPECTS, “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

TOFAN-DOROFEEV Elena. *EX SITU* AND *IN SITU* CONSERVATION OF THE SPECIES OF COMMUNITY INTEREST *PONTECHIUM MACULATUM* (L.) BÖHLE ET HILGER IN THE REPUBLIC OF MOLDOVA, “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

VOLOSCIUC Leonid. ORGANIC FARMING AND MAINTAINING THE BIO-DIVERSITY OF USEFUL MICROORGANISMS, Institute of Genetics, Physiology and Plant Protection, MSU, Chisinau, Republic of Moldova

POSTER PRESENTATIONS

Thematic Session A:

CONSERVATION OF PLANT AND FUNGAL DIVERSITY

BACAL Svetlana. PRELIMINARY DATA ON THE COLEOPTERA OF THE CHISINAU BOTANICAL GARDEN, Institute of Zoology, MSU, Chisinau, Republic of Moldova

BELOUS Stefan. STUDY OF THE SEED GERMINATION CAPACITY OF *GYPSOPHILA PERFOLIATA* L. (CARYOPHYLLACEAE) ON DIFFERENT SUBSTRATES FOR CONSERVATION PURPOSES IN THE REPUBLIC OF MOLDOVA, “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

CANTEMIR Valentina. SPECIES OF THE GENUS *FESTUCA* L. (POACEAE BARNH.) IN THE FLORA OF BESSARABIA, “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

CIOLOCA Mihaela, BARASCU Nina, TICAN Andreea, BADARAU Carmen, POPA Monica. PLANT BIOTECHNOLOGY APPROACHES FOR *EX SITU* CONSERVATION OF POTATO, SWEET POTATO AND MEDICINAL PLANT GERMPLASM, National Institute of Research and Development for Potato and Sugar Beet (NIRDPSB), Brasov, Romania

CIORCHINA Nina, TABARA Maria, CUZMIN Elvira, TROFIM Mariana, CHITAN Raisa, GHEREG Melania. MICROPROPAGATION AND ACCLIMATIZATION OF CULTIVARS OF THE GENUS *LAVANDULA* L. IN THE “AL. CIUBOTARU” NATIONAL BOTANICAL GARDEN (INSTITUTE), “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

CIRLIG Natalia. EVALUATION OF PLANT RESOURCES WITH MELLIFEROUS POTENTIAL IN THE “ALEXANDRU CIUBOTARU” NATIONAL BOTANICAL GARDEN (INSTITUTE), “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

CUZA Petru. DIAMETER STRUCTURE OF A *QUERCUS PUBESCENS* STAND: A CASE STUDY IN THE BAIMACLIA FOREST DISTRICT, Department of Geosciences and Forestry, MSU, Chisinau, Republic of Moldova

DONICA Ala. LICHEN BIOINDICATION — A NON-INSTRUMENTAL METHOD APPLIED IN DETERMINING THE RESILIENCE OF URBAN ECOSYSTEMS TO ANTHROPOGENIC IMPACT, Institute of Ecology and Geography, MSU, Chisinau, Republic of Moldova

DUDÁŠ Matej, GHENDOV Veaceslav, IONITA Olga. ILLUSTRATED FIELD KEY FOR *TARAXACUM* SECT. *ERYTHROSPERMA* IN THE REPUBLIC OF MOLDOVA, Pavol Jozef Šafárik University in Košice, Slovakia

ELIÁŠ Jr. Pavol, DUDÁŠ Matej. THE NEW HYBRID TAXON *×AEGILOTRITICUM SANCTI-ANDREAE* (DEGEN) SOÓ (POACEAE) IN THE FLORA OF THE REPUBLIC OF MOLDOVA, Institute of Plant and Environmental Sciences, Slovak University of Agriculture, Nitra, Slovakia; Pavol Jozef Šafárik University in Košice, Slovakia

FETCU Tatiana. *EX SITU* CONSERVATION OF *AMYGDALUS NANA* L. (ROSACEAE JUSS.) IN THE REPUBLIC OF MOLDOVA, “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

GHENDOV Veaceslav, IZVERSCAIA Tatiana. *ORNITHOGALUM OREOIDES* ZAHAR. (HYACINTHACEAE) IN THE FLORA OF THE REPUBLIC OF MOLDOVA, “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

GRAJDIERU Cristina, BILICI Elena. USE OF MOLECULAR MARKERS FOR THE IDENTIFICATION AND CERTIFICATION OF MAIZE COLLECTION SAMPLES, Institute of Genetics, Physiology and Plant Protection, MSU, Chisinau, Republic of Moldova

ISHCHUK Halyna, HRABOVYI Volodymyr. THE EXPERIENCE OF PRESERVING THE “SOFIYIVKA” NATIONAL DENDROLOGICAL PARK OF THE NATIONAL ACADEMY OF SCIENCES OF UKRAINE DURING WARTIME, Uman National University; “Sofiyivka” National Dendrological Park of the NAS of Ukraine, Uman, Ukraine

ISHCHUK Halyna, ISHCHUK Liubov. THE ROLE OF FOREST SHELTERBELTS IN PRESERVING BIODIVERSITY IN THE CHERKASY REGION, Uman National University; “Sofiyivka” National Dendrological Park of the NAS of Ukraine, Uman, Ukraine

IVASISIN Daniela. THE PROCESS OF RESTORATION OF THE CHROMOSOME NUMBER IN INDIGENOUS DISTANT HYBRIDS (F1–F5), “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

IVASISIN Daniela. CYTOLOGICAL PECULIARITIES OF F5 (BC4)

INDIGENOUS DISTANT HYBRIDS, “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

IZVERSCAIA Tatiana, GHENDOV Veaceslav. *EREMOGONE CEPHALOTES*

(M. BIEB.) FENZL (CARYOPHYLLACEAE) — CONSERVATION STATUS AND RESTORATION BY REINTRODUCTION IN THE REPUBLIC OF MOLDOVA, “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

JARDAN Natalia, IONITA Olga. THE GENUS *IRIS* L. (IRIDACEAE) IN THE

FLORA OF THE “CODRII” RESERVE: CHOROLOGY, ECOLOGY AND NEW FLORISTIC DATA, “Codrii” Scientific Reserve, Lozova, Straseni, Republic of Moldova

MIRON Aliona, DONICA Ala, ANGHELUTA Viorica, GALUPA Alexandru.

ECOLOGICAL CORRELATIONS BETWEEN ABIOTIC FACTORS AND FOREST HABITAT TYPES IN THE EMERALD SITE MD0000009

“CODRII TIGHECI”, “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU

PLESKACH Lyubov, VIRCHENKO Vitalii. RARE BRYOPHYTES OF THE

“OLEXANDRIA” DENDROLOGICAL PARK OF THE NAS OF UKRAINE, “Olexandria” Dendrological Park of the NAS of Ukraine, Bila Tserkva, Kyiv Region, Ukraine; M. G. Kholodny Institute of Botany, Kyiv, Ukraine

ROMANCIUC Gabriela. DIGITAL SUPPORT SYSTEMS FOR THE

MONITORING AND MANAGEMENT OF PLANT SPECIES IN THE CONTEXT OF PLANT BIODIVERSITY PROTECTION, Institute of Genetics, Physiology and Plant Protection, MSU, Chisinau, Republic of Moldova

TITICA Ghenadie, POSTOLACHE Gheorghe. THE CURRENT *IN SITU*

CONSERVATION STATUS OF *CARPINUS ORIENTALIS* MILL. IN THE REPUBLIC OF MOLDOVA, “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

TOFAN-DOROFEEV Elena, IONITA Olga. *EX SITU* CONSERVATION
ACTIONS FOR *POTENTILLA ASTRACHANICA* JACQ. IN THE “AL.
CIUBOTARU” NATIONAL BOTANICAL GARDEN (INSTITUTE) OF MSU,
“Alexandru Ciubotaru” National Botanical Garden (Institute), MSU,
Chisinau, Republic of Moldova

Thematic Session B:

COLLECTIONS IN BOTANICAL GARDENS. BIOTECHNOLOGY, PROTECTION AND SUSTAINABLE USE OF PLANT RESOURCES

AGAPI Ion, ROSCA Ion, BUCATEL Vasile, ONICA Natalia.

CONTRIBUTIONS TO THE STUDY OF THE INTRODUCTION AND CULTIVATION OF ORNAMENTAL TAXA OF THE GENUS *MORUS* L. IN THE “ALEXANDRU CIUBOTARU” NATIONAL BOTANICAL GARDEN (INSTITUTE), “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

BESELEA Vasile, ROSCA Ion, BUCATEL Vasile, ONICA Natalia.

MOBILIZATION AND INTRODUCTION OF NEW TAXA OF THE GENUS *CLEMATIS* L. IN THE “LIANARIUM” EXHIBITION OF THE “ALEXANDRU CIUBOTARU” NATIONAL BOTANICAL GARDEN (INSTITUTE), “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

BIVOL Alexei, RUSU Stefan, CIRLIG Natalia, RUSU Viorelia, IURCU-

STRAISTARU Elena. COMPARATIVE STUDY OF INVASIVE NEMATODES IN WINTER RAPESEED IN RELATION TO THE ENVIRONMENTAL CONDITIONS OF THE REPUBLIC OF MOLDOVA, Institute of Zoology, Chisinau, Republic of Moldova

BOGDAN Alina. ASPECTS OF THE TAXONOMIC STUDY OF THE GENUS *CLINOPODIUM* L., “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

BOTNARENCO Pantelimon, BALMUS Zinaida, BUTNARAS Violeta,

COTELEA Ludmila. ASSESSMENT OF THE RAW MATERIAL YIELD OF AROMATIC ROSE CULTIVARS (*ROSA DAMASCENA* × *ROSA GALLICA*), Institute of Genetics, Physiology and Plant Protection, MSU, Chisinau, Republic of Moldova

BUCATEL Vasile, UZUN Ion. RESULTS OF THE INTRODUCTION OF WOODY PLANTS IN THE CHISINAU DENDROLOGICAL GARDEN, “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

CEBAN Victoria. THE COLLECTION OF THE GENUS *CRASSULA* L. (CRASSULACEAE) IN THE GREENHOUSES OF THE “AL. CIUBOTARU” NATIONAL BOTANICAL GARDEN (INSTITUTE) OF MSU, “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

CHILINCIUC Alexei, BOTNARI Vasile. WINTER GARLIC PROPAGATION VIA AERIAL BULBLETS — A BREAKTHROUGH IN SUSTAINABLE CROP PRODUCTION, Institute of Genetics, Physiology and Plant Protection, MSU, Chisinau, Republic of Moldova

CHITAN Raisa, TABARA Maria, GHEREG Melania. PROPAGATION OF HIGHBUSH BLUEBERRY (*VACCINIUM CORYMBOSUM* L.) THROUGH *IN VITRO* CULTURE, “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

CIOCARLAN Nina. MEDICINAL PLANTS IN THE BOTANICAL GARDEN: CONSERVATION, RESEARCH AND EDUCATIONAL IMPACT, “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

COLTUN Maricica. *TRIGONELLA FOENUM-GRÆCUM* — A SPICE PLANT WITH THERAPEUTIC POTENTIAL, “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

DOBROJAN Galina, MELNIC Victor, DOBROJAN Sergiu, MELNIC Angela. ANALYSIS OF THE IMPACT OF THE USE OF *CHLORELLA VULGARIS* SUSPENSION IN THE CULTIVATION OF *ASTRAGALUS DASYANTHUS* PALL. UNDER THE CONDITIONS OF THE REPUBLIC OF MOLDOVA, “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

DOIKO Natalia, BOIKO Natalia, MORDATENKO Igor, KATREVICI Maria, KRIVDIUK Larisa, MIRONOV Victor, MAROZOVA Marina. REPRESENTATIVES OF THE GENUS *ROSA* L. IN THE “OLEXANDRIA” DENDROLOGICAL PARK OF THE NATIONAL ACADEMY OF SCIENCES OF UKRAINE, “Olexandria” Dendrological Park of the NAS of Ukraine, Bila Tserkva, Kyiv Region, Ukraine

DRAGAN Nina, DOIKO Natalia, PIDORICI Iurii. DOES *ACER NEGUNDO* L. POSE A THREAT TO THE PHYTOCOENOSES OF THE “OLEXANDRIA” DENDROLOGICAL PARK OF THE NATIONAL ACADEMY OF SCIENCES OF UKRAINE?, “Olexandria” Dendrological Park of the NAS of Ukraine, Bila Tserkva, Kyiv Region, Ukraine

GHREG Melania, CIORCHINA Nina, GHENDOV Veaceslav, TABARA Maria, CHITAN Raisa. PROPAGATION AND ROOTING OF *LEUCOJUM AESTIVUM* L. (AMARYLLIDACEAE) IN *IN VITRO* CULTURE, “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

GLADEI Diana. ASSESSMENT OF THE SEED GERMINATION CAPACITY OF ORNAMENTAL SPECIES OF THE GENUS *ALLIUM* UNDER THE CONDITIONS OF THE REPUBLIC OF MOLDOVA, “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

GLIJIN Aliona, ROSCA Ion, TABARA Maria, FETCOV Marina, TROFIM Mariana, ONICA Natalia. *IN VITRO* MICROPROPAGATION OF THE ORNAMENTAL GRASS *HAKONECHLOA MACRA* (‘AUREOLA’ CULTIVAR), “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

GROPA Tatiana, ROSCA Ion. ASPECTS OF THE PHYTOSANITARY CONDITION AND MANAGEMENT MEASURES FOR REPRESENTATIVES OF THE GENUS *EUONYMUS* L. UNDER THE CONDITIONS OF THE REPUBLIC OF MOLDOVA, Technical University of Moldova, Chisinau, Republic of Moldova

GUTU Ana, TITEI Victor, ACATRINEI (DUMITRIU) Simona, STAVARACHE Mihai, GAVRILA Cristian. EVALUATION OF THE BIOMASS QUALITY INDICES OF *FESTUCA ARUNDINACEA* SCHREB. AND *TRITICOSECALE* WITTM. EX A. CAMUS, “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

LIFENCO Iuri. THE DIVERSITY OF PLANTS OF THE FAMILY MYRTACEAE JUSS. IN THE COLLECTION OF THE “ALEXANDRU CIUBOTARU” NATIONAL BOTANICAL GARDEN (INSTITUTE), “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

MANOLE Svetlana, SIRBU Tatiana. STAGES IN THE BREEDING OF THE ‘COSANZEANA’ CULTIVAR OF *HEMEROCALLIS* × *HYBRIDA* HORT., “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

MIRZA Alexandru, SLIVCA Vasiliu, SABAROV Doina. ASPECTS OF FLOWERING IN WATERLILY (*NYMPHAEA* L.) CULTIVARS IN THE CHISINAU BOTANICAL GARDEN, “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

ONICA Elisaveta, ROSCA Ion, CUTCOVSCHI-MUSTUC Alina, ONICA Natalia. BIOECOLOGICAL PARTICULARITIES AND PROSPECTS FOR THE USE OF NEW *CORNUS* L. CULTIVARS IN THE REPUBLIC OF MOLDOVA, “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

POCHKA Olena, KOLDAR Larysa. FEATURES OF ESTABLISHING ASEPTIC CULTURE OF PRIMARY EXPLANTS OF WEIGELA FLORIDA 'BRISTOL RUBY' *IN VITRO*, "Sofiyivka" National Dendrological Park of the NAS of Ukraine, Uman, Ukraine

RODIDEAL Tatiana, STRATU Anisoara, IVANESCU Lacramioara Carmen, ZAMFIRACHE Maria-Magdalena. EFFECTS OF ASCORBIC ACID SEED PRIMING ON THE PHYSIOLOGICAL PERFORMANCE OF *SCUTELLARIA GALERICULATA* L., "Alexandru Ioan Cuza" University, Faculty of Biology, Iasi, Romania

ROSCA Ion, ARION Dumitru, ONICA Elisaveta, CUTCOVSCHI-MUSTUC Alina, IXAR Andrei. THE INFLUENCE OF ZEOLITE ON THE GROWTH OF GENERATIVE SEEDLINGS OF *GINKGO BILOBA* L. IN THE REPUBLIC OF MOLDOVA, "Alexandru Ciubotaru" National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

RUDI Tamara, SIRBU Tatiana, SABAROV Doina. SPECIES OF *HELLEBORUS* Tourn. ex L. IN THE COLLECTIONS OF THE CHISINAU BOTANICAL GARDEN, "Alexandru Ciubotaru" National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

SHYNDER Oleksandr, KOLOMIYCHUK Vitalii, SHEVERA Myroslav, NEHRASH Yuliia, SZIKURA Anita, KOHUT Erzsébet. FROM CASTLE PARKS TO THE BOTANICAL GARDEN: CENTRES OF PLANT INTRODUCTION AS LIVING ARCHIVES AND FOCI OF FLORISTIC CHANGE IN ZAKARPATTIA OBLAST, UKRAINE, "M. M. Gryshko" National Botanical Garden, National Academy of Sciences of Ukraine, Kyiv, Ukraine

TABARA Maria, CIORCHINA Nina, GLIJIN Aliona, TROFIM Mariana, CUTCOVSCHI-MUSTUC Alina, CUZMIN Elvira, ONICA Elisaveta. THE INFLUENCE OF FeNaEDDHA ON *IN VITRO* PROPAGATION PROCESSES IN THE *LONICERA CAERULEA* L. CULTIVARS 'SINICZKA' AND 'KARINA', "Alexandru Ciubotaru" National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

TANACHI Tatiana, ROSCA Ion, ONICA Elisaveta, CUTCOVSCHI-MUSTUC Alina. BIOECOLOGICAL AND IMPLEMENTATION PARTICULARITIES OF *BERBERIS THUNBERGII* DC. CULTIVARS IN LANDSCAPE DESIGN, "Alexandru Ciubotaru" National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

TIMBALI Valentina. THE DIVERSITY OF THE PROTECTED-GROUND PLANT COLLECTIONS IN THE "AL. CIUBOTARU" NBG (I) OF MSU,

“Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

TODIRAS Natalia. THE COLLECTION OF HAWORTHIA HAW. TAXA IN THE NATIONAL BOTANICAL GARDEN (INSTITUTE), REPUBLIC OF MOLDOVA, “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

TROFIM Mariana, TABARA Maria, GLIJIN Aliona. INITIATION OF THE MICROPROPAGATION OF THE ORNAMENTAL FERN *OSMUNDA REGALIS* ‘PURPURASCENS’, “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

TITEI Victor. THE NUTRIENT CONTENT OF SAKHALIN KNOTWEED (*POLYGONUM SACHALINENSE*) PLANTS, “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

TITEI Victor, GUTU Ana, TARNA Pavel, LUPAN Aurelia, CIRLIG Natalia. EVALUATION OF THE BIOCHEMICAL COMPOSITION OF *ECHIUM VULGARE* L. AND *PHACELIA TANACETIFOLIA* BENTH. PLANTS, “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

VOINEAC Ina, GLADEI Diana. AN INTRODUCTORY STUDY OF NEW *TULIPA* L. CULTIVARS, “Alexandru Ciubotaru” National Botanical Garden (Institute), MSU, Chisinau, Republic of Moldova

ZAVTONI Pantelimon, VOLOSCIUC Leonid, STINGACI Aurelia. THE ROLE OF ENTOMOPATHOGENIC *BACILLUS* BACTERIA IN THE CONTROL OF THE POTATO PEST *LEPTINOTARSA DECEMLINEATA* SAY, Institute of Genetics, Physiology and Plant Protection, MSU, Chisinau, Republic of Moldova

MAP OF THE NATIONAL BOTANICAL GARDEN (INSTITUTE)



Grădina Botanică Națională (Institut) „Alexandru Ciubotaru”

În conformitate cu Hotărârea Sovietului Miniștrilor al R.S.S. Moldovenești din 31 iulie 1950 nr. 1110 "Cu privire la Organizarea Grădinii Botanice a Filialei Moldovenești a Academiei de Științe a URSS" și de 27 septembrie 1965, va fi înființată la Chișinău Grădina Botanică Națională (Institut) „Alexandru Ciubotaru” (Grădina Botanică Institutul) a Academiei de Științe a Moldovei, și marcată prin Decizia № 916 - R a Sovietului Miniștrilor al R.S.S.M. Moldovenești, prin sarcina programată, aprobată de Președintele Academiei de Științe a R.S.S.M. - Încadrarea activității Arhitectural - planificată № 1991.

Conform deciziei, privind înregistrarea modificărilor (Dosar nr. 1005600022960 din 14.09.2018) a Agenției Servicii Publice, Grădina Botanică (Institut) a Academiei de Științe a Moldovei și schimbă denumirea în Instituția Publică Grădina Botanică Națională (Institut) „Alexandru Ciubotaru”, fondator devenind Ministerul Educației, Culturii și Cercetării.

Grădina Botanică are 2 intrări: centrală, care face legătura cu bulevardul Dacia și "Porțile orașului", prin alea centrală de Pîca pîrgure, ale care intrare este poarta centrală, devenind principala axă de compoziție în partea de Vest a Grădinii Botanice. A doua intrare în Grădina Botanică din str. Păduri 18, este decorată cu ale de Tilia sp., ce trece la intersecție în una de - Larix sp.

Grădina Botanică este partajată în secțiuni cu expoziții mari și colecții. Liniele sunt amplasate în teren protejat (complex de sare), altele - în teren deschis, conform exigențelor plantelor față de diverși factori climatici și edafici. Pe teritoriul GBNI se întâlnesc peste 24 tipuri de sol, inclusiv soluri aluviale, cernoșomuri bogate cu un strat de 80-90 cm, pe alocuri la suprafață apar și alți diferiți tipuri de argile, nisipuri, iar în locuri persistă soluri podzolice.

De la fondare și până în prezent au fost realizate următoarele direcții de cercetare:

- cercetarea vegetației, florei și insulelor naturale ale Moldovei;
- elaborarea bazelor științifice de amenajare a spațiilor verzi urbane și rurale;
- construcția verde a Grădinii Botanice - creșterea colecțiilor și expozițiilor de plante în teren deschis și protejat.

Amplasarea GBNI și a Arboretumului în zona Porților de Intrare în mun. Chișinău reprezintă Cartea Verde de viață a capitalei. Suprafața totală a Grădinii Botanice constituie 104 ha și este divizată în secțiuni: (I) expozițional, (II) de cercetare și (III) producere experimentală.

Sectorul expozițional include: Intrarea centrală cu Oranjeria Expozițională de Fond, Rozariu, Lianărie, Syringariu, Dendariu, Pinariu, Alpinariu, sectorul Vegetația Moldovei, papirusii de introducere, sectorul blocului principal pentru laboratoriu, cascada de lacuri, sectorul pentru gospodărie etc.;

Sectorul destinat cercetărilor: colecțiile speciilor de plante dendro - floricele decorative, medicinale, lustrare, condimentare, melifere, nucleare, viticole etc.

Sectorul pentru producere experimentală și gospodărie: papirusii, deservina tehnică, stația pentru îngrijire etc.

- 1 - Rozariu (Grădina de trandafiri)
- 2 - Grădina de pomi cu creștere dirijată
- 3 - Lianarium (Grădina de liane)
- 4 - Rozariu (Grădina de pălări)
- 5 - Expoziția genului Magnolia
- 6 - Sectorul ornamental
- 7 - Expoziția plante medicinale și aromatice
- 8 - Syringarium (Grădina de iliaci)
- 9 - Alpinarium (Grădina alpină)
- 10 - Expoziția "Vegetația Moldovei" (sectorul cu vegetație forestieră cu 12 tipuri de păduri, de stepă, luncă, acvatică)
- 11 - Colecția de nuci
- 12 - Complexul de sere
- 13 - Pepiniera
- 14 - Pinarium (fam. Pinaceae, Taxaceae, etc.)
- 15 - Dendrium (fam. Rosaceae, Fagaceae, Fabaceae, Cupressaceae, etc.)
- 16 - Oranjeria de fond (proiect)
- 17 - Polana poveștilor (proiect)
- 18 - Expoziția colecției "Cultivari de plante conifere și foioase" (proiect)
- 19 - Plantația - mamă de nuci
- 20 - Pinarium
- 21 - Biroul administrativ
- 22 - Intrarea centrală

Localitatea: Orașul Chișinău.
Amplasarea: în partea de sud-est a or. Chișinău (sectorul Botanic), în valea unui afluent de desapa al r. Bâc.
Coordonatele:
Latitudinea N - 46°58'25";
Longitudinea E - 28°53'4";
Alitudinea - până la 100m.
Suprafața: 104 ha.

