



Moldova State University

Institute of Genetics, Physiology and Plant Protection

Scientific Association of Geneticists and Breeders of the Republic of Moldova

PROGRAMME

Scientific International Symposium
“Advanced Biotechnologies - Achievements and Prospects”
(VIth Edition)

3-4 October, 2022
Chisinau, Republic of Moldova

Dear

We kindly invite you to participate at the Scientific International Symposium “**Advanced Biotechnologies - Achievements and Prospects**” (VIth edition), which will take place on 3-4 October, 2022 in hybrid format with both live and virtual attendees.

Venue: Institute of Genetics, Physiology and Plant Protection, 20 Padurii Str.

INTERNATIONAL SCIENTIFIC COMMITTEE

ANDRONIC Larisa, doctor habilitatus, associated professor, IGPPP, Republic of Moldova, <https://orcid.org/0000-0002-2761-9917>

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MULYUKINA Nina, corresponding member, National Scientific Center, The Institute for Wine and Winemaking „V.E.Tairov”, Odessa, Ukraine

SISCANU Gheorghe, academician, professor, IGPPP, Chisinau, Republic of Moldova, <https://orcid.org/0000-0003-4230-1357>

TABARA Valeriu, academician, professor, The Academy of Agricultural and Forestry Sciences „Gheorghe Ionescu-Sisesti”, Bucharest, Romania

ORGANIZING COMMITTEE

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VOLOSCIUC Leonid, doctor habilitatus, professor, <https://orcid.org/0000-0002-7475-4310>

SYMPOSIUM SECRETARIAT

SMEREA Svetlana, doctor, associated professor, <https://orcid.org/0000-0002-1978-0452>

BATCO Mihail, doctor, associated professor, <https://orcid.org/0000-0002-3711-4429>

IVANOVA Raisa, doctor, associated professor, <https://orcid.org/0000-0002-2554-2039>

GRAJDIERU Cristina, PhD student, <https://orcid.org/0000-0003-1560-7924>

Communication languages: Romanian, English, Russian

SYMPOSIUM AGENDA
MONDAY, 3 October

09:00 – 10:00	Registration For virtual attendees: https://us02web.zoom.us/j/3952708736
10:00 – 10:30	Symposium opening
Plenary section	
Moderators: ANDRONIC Larisa, assoc. prof., DUCA Maria, academician	
10:30 – 10:50	BIOTECHNOLOGIES – A PRIORITY FIELD OF SCIENTIFIC RESEARCH, AS SOLUTIONS TO FOOD SECURITY PROBLEMS UNDER THE CLIMATIC CHANGES CONDITIONS TABARA Valeriu <i>The Academy of Agricultural and Forestry Sciences „Gheorghe Ionescu-Sisesti”, Bucharest, Romania</i>
10:50 – 11:10	THE GRAPE MICROBIOME AND ITS POTENTIAL IN TERROIR IDENTIFICATION VLASOV Veaceslav, MULYUKINA Nina , LESHCHENKO Galina, BUZOVSCAIA Marina, MELNIC Ella, POPOVA Ana National Scientific Center, The Institute for Wine and Winemaking „V.E.Tairov”, Odessa, Ukraine
11:10 – 11:30	THE IMPORTANCE OF GENETIC RESERVES IN THE CREATION OF NEW WHEAT VARIETIES KHUDAYEV Faig <i>Research Institute of Crop Husbandry of the Azerbaijan Republic</i>
11:30 – 11:50	THE GENETIC RESOURCES THE BACKGROUND FOR BIODIVERSITY- AND NEW SPECIES BUTNARU Galia <i>Banat University of Agricultural Sciences and Veterinary Medicine „King Mihai I of Romania” from Timisoara</i>
11:50 – 12:10	IDENTIFICATION OF MECHANISMS OF PLANT RESISTANCE TO STRESS FACTORS DASCALIUC Alexandru <i>Institute of Genetics, Physiology and Plant Protection, Republic of Moldova</i>
12:10 – 12:30	BITUMINOUS ROCK - ALGINITE AS A NATURAL SOURCE OF SILICON FOR IMPROVING GROWTH, PRODUCTION AND QUALITY OF HEMP (<i>Cannabis sativa</i> L.) BRINDZA Ján , HORČINOVÁ SEDLÁČKOVÁ Vladimíra <i>Slovak University of Agriculture in Nitra, Institute of Plant and Environmental Sciences, Slovak Republic</i>
12:30 – 12:50	ABOUT THE CREATION OF DROUGHT TOLERANCE VARIETIES OF BREAD WHEAT JAHANGIROV Atabay <i>Gobustan Experimental Station of Research Institute of Crop Husbandry, Ministry of Agriculture of the Azerbaijan Republic</i>
12:50 – 13:10	The biotechnology in solving ecological problems VOLOSCIUC Leonid <i>Institute of Genetics, Physiology and Plant Protection, Republic of Moldova</i> Types of linkage of genetic markers to the target gene and chromosome loci
13:10 – 14:00 Pause	

14:00 – 16:00

Poster session

Moderators: SMEREA Svetlana, assoc. prof., ROMANCIUC Gabriela, assoc. prof.

For virtual attendees: <https://us02web.zoom.us/j/3952708736>

16:00 – 16:30 **DISCUSSIONS**

TUESDAY, 4 October

10:00 – 16:00 THEMATIC SESSIONS (oral presentation)

I. Molecular and cell biology. Bioengineering and tissue culture. Macrocompounds and metabolic processes

Conference Hall of the IGPPP, Block A, floor 2

For virtual attendees: <https://us02web.zoom.us/j/3952708736>

Moderators: VOLOSCIUC Leonid, prof., SMEREA Svetlana, assoc. prof.

- 10:00 – 10:20 PHARMACEUTICAL POTENTIAL OF SOME PLANT CELL LINES IN AMARANTHUS AND SCILLA CALUS
NITU Ionut¹, MITOI Monica Elena¹, **BANCIU Cristian¹**, DANAILA-GUIDEA Silvana
¹The Bucharest Institute of Biology of the Romanian Academy, ²University of Agronomic Sciences and Veterinary Medicine Bucharest, Faculty of Biotechnologies, Romania
- 10:20 – 10:40 STUDYING THE RESISTANCE OF INTRODUCED WHEAT SAMPLES TO DISEASES AND OTHER PARAMETERS, SELECTING THE PRIMARY MATERIAL FOR BREEDING
MIRZAYEVA Gulshan
Research Institute of Crop Husbandry of the Azerbaijan Republic
- 10:40 – 11:00 EFFECTS OF ABIOTIC STRESS FACTORS ON FUNCTIONAL PARAMETERS OF TOMATO POLLEN UNDER VIRAL INFECTION
SALTANOVICI Tatiana, ANDRONIC Larisa, ANTOCI Ludmila, DONCILA Ana
Institute of Genetics, Physiology and Plant Protection, Republic of Moldova
- 11:00 – 11:20 EFFECT OF NANO-GRO PHYSIOLOGICAL ACTIVE HEIGHT SUBSTANCE ON HEIGHT OF FODDER BEET, GROWTH AND PRODUCTIVITY
ZAMANOVA Rahmina
Research Institute of Crop Husbandry of Azerbaijan Republic
- 11:20 – 11:40 EFFECT OF HEAT STRESS ON TOMATOES IN DIFFERENT EVALUATION SYSTEMS
MARII Liliana, ANDRONIC Larisa, SAHANOVSCIIH Marionela, TEMNICOV Evgheni
Institute of Genetics, Physiology and Plant Protection, Republic of Moldova
- 11:40 – 12:00 CHARACTERISTICS OF THE HAIRY ROOTS OF THE MEDICINAL PLANT *Spilanthes acmella* MURR.
TIMINA Olga O., TIMIN O.Y., STEPANOVA A.Y., SOLOVEVA A.I. *Shevchenko State University, Tiraspol, Republic of Moldova*

12:00 – 13:00 Pause	
13:00 – 13:20	VARIABILITY OF BIOMORPHOLOGICAL AND QUANTITATIVE CHARACTERISTICS OF SC ₁ SOMACLONES OF TRITICALE INDUCED BY GAMMA RAYS AND <i>IN VITRO</i> CULTURE CIOBANU Renata <i>Institute of Genetics, Physiology and Plant Protection, Republic of Moldova</i>
13:20 – 13:40	INTERGENERATIONAL ANALYSIS OF VIRUS AND GAMMA RAYS EFFECT ON AGRONOMIC TRAITS IN BARLEY REGENERANTS GRIGOROV Tatiana , ANDRONIC Larisa, SMEREA Svetlana, TEMNICOV Evgheni <i>Institute of Genetics, Physiology and Plant Protection, Republic of Moldova</i>
13:40 – 14:00	ASSESSMENT OF COLLECTION MAIZE LINES' RESISTANCE TO DROUGHT AND DISEASES BALICI Elena, GRAJDIERU Cristina <i>Institute of Genetics, Physiology and Plant Protection, Republic of Moldova</i>
14:00 – 14:20	THE EFFECT OF WATER STRESS ON SESAME (<i>Sesamum indicum</i> L.) SAMPLES FROM THE M ₃ GENERATION IN THE CONDITIONS OF IT'S ARTIFICIAL MODELING MOGILDA Anatolii <i>Institute of Genetics, Physiology and Plant Protection, Republic of Moldova</i>
14:20 – 14:40	LOCAL APRICOT AND PLUM VARIETIES - DONORS OF IMPORTANT TRAITS FOR BREEDING PINTEA Maria <i>Research Institute for Horticulture and Alimentary Technologies, Republic of Moldova</i>
14:40 – 15:00	MOLECULAR TECHNIQUES FOR DETERMINING BACTERIAL DIVERSITY IN LAKE ECOSYSTEM BOGDAN-GOLUBI Nina ¹ , SLANINA Valerina ¹ , BALAN Ludmila ¹ , RUGINESCU Robert Marian ² ¹ <i>Institute of Microbiology and Biotechnology, Republic of Moldova</i> , ² <i>The Bucharest Institute of Biology of the Romanian Academy, Romania</i>
15:00 – 15:20	SOIL MOISTURE IN SOYBEAN CENOSIS UNDER DIFFERENT METEOROLOGICAL CONDITIONS KHARCHUK Oleg , KISTOL Marcela <i>Institute of Genetics, Physiology and Plant Protection, Republic of Moldova</i>
15:20 – 15:40	JUXTAPOSITION OF HETEROZYGOUS AND HOMOZYGOUS REGIONS AND CROSSING OVER IN MAIZE MIHAILOV Mihail <i>Institute of Genetics, Physiology and Plant Protection, Republic of Moldova</i>

II. Biotechnology for environment and plant protection. Conservation and utilization of genetic resources

Conference Hall of the IGPPP, Block B, floor 4, office 409

For virtual attendees:

<https://us02web.zoom.us/j/82872090517?pwd=Uy9ydXpNcCtIaVROcUxTYkNnMWt1Zz09>

Moderators: LUPASCU Galina, prof., BOTNARI Vasile, prof.

- 10:00 – 10:20 MANAGEMENT OF FUNGAL DISEASES IN COMMON WHEAT
LUPASCU Galina
Institute of Genetics, Physiology and Plant Protection, Republic of Moldova
- 10:20 – 10:40 INCREASING THE POPULATION AND HARMFUL POTENTIALITY
AZIZOVA Namila
Research Institute of Crop Husbandry of the Azerbaijan Republic
- 10:40 – 11:00 OPPORTUNITIES FOR ADAPTATION AND DEVELOPMENT OF AGRICULTURE IN THE CONTEXT OF CLIMATE CHANGE
BOTNARI Vasile
Institute of Genetics, Physiology and Plant Protection, Republic of Moldova
- 11:00 – 11:20 SENSITIVITY OF ACARIFAUNA TO THE ACTIVE SUBSTANCE OF SOME INSECTOACARICIDES IN THE AGROCENOSIS OF PLUM CROPS
BATCO Mihail, IORDOSOPOL Elena
Institute of Genetics, Physiology and Plant Protection, Republic of Moldova
- 11:20 – 11:40 VARIABILITY INFECTION OF BARLEY VARIETIES WITH LEAF SPOT DISEASES IN GOBUSTAN REGION
KARIMOVA Shamama
Research Institute of Crop Husbandry of Azerbaijan Republic
- 11:40 – 12:00 THE ROLE OF PRODUCTIVITY AND OTHER INDICATORS OF LENTIL VARIETIES (*Lens culinaris medic.*) IN FOOD SECURITY ENSURING
NARIMANL U.
Azerbaijan State University of Economics, Baku, Azerbaijan Republic
- 12:00 – 12:20 THE INFLUENCE OF BIOLOGICALLY ACTIVE SUBSTANCES WITH CAIROMONAL PROPERTIES ON THE ENTOMOPHAGE *Trichogramma evanescens* Westw.
GAVRILITA Lidia¹, NASTAS Tudor¹, NITA Uliana¹, BUTUCEL Marina¹, BUTNARU Galia²
¹*Institute of Genetics, Physiology and Plant Protection, Republic of Moldova,*
²*Banat University of Agricultural Sciences and Veterinary Medicine „King Mihai I of Romania” from Timisoara*

12:20 – 13:00 Pause

- 13:00 – 13:20 DEVELOPMENT FEATURES OF THE BROWN MARMORATED STINK BUG *Halyomorpha halys* (Stal) IN THE REPUBLIC OF MOLDOVA
RUSU Iuliana
Institute of Genetics, Physiology and Plant Protection, Republic of Moldova
- 13:20 – 13:40 EFFECT OF STORAGE TECHNOLOGY ON THE TITRATABLE ACIDITY OF APPLES
NICUTA Alexandru, BUJOREANU Nicolae
Institute of Genetics, Physiology and Plant Protection, Republic of Moldova
- 13:40 – 14:00 ANTAGONISM OF THE FUNGUS *Trichoderma harzianum* TO PATHOGENIC MICROORGANISM *Alternaria alternata*, ISOLATED FROM WALNUT TREE
CRUCEAN Stefan, SCERBACOVA Tatiana
Institute of Genetics, Physiology and Plant Protection, Republic of Moldova
- 14:00 – 14:20 FAUNISTIC COMPOSITION AND NUTRITION TYPES OF THE HYMENOPTERA COMPLEX IN A PLUM ORCHARD (III)
ELISEEV Serghei, SUMENCOVA V.

- 14:20 – 14:40 *Institute of Genetics, Physiology and Plant Protection, Republic of Moldova*
THE PERSPECTIVE OF PROCEDURES WHICH COMBAT *Zeuzera pyrina* L.
FRON Arcadie, IORDOSOPOL Elena
- 14:40 – 15:00 *Institute of Genetics, Physiology and Plant Protection, Republic of Moldova*
THE PEST MONITORING OF *Heliothis armigera* Hbn. ON THE CORN
GHELETIUC Olesea
- 15:00 – 15:20 *Institute of Genetics, Physiology and Plant Protection, Republic of Moldova*
NEW GENOTYPES OF THE SPECIES *Thymus x citriodorus* (pers.) Schreb. –
PRODUCTION AND QUALITY
CHISNICEAN Lilia¹, VORNICU Zinaida,¹ IVANTOVA Irina¹, GRIGORAȘ
Valentin²
¹*Institute of Genetics, Physiology and Plant Protection, Republic of Moldova,*
²*National Institute of Research and Development for Biological Sciences Bucharest,*
“Stejarul” Biological Research Center Piatra-Neamt, Romania
- 15:20 – 15:40 THE STAGES OF BREEDING OF DURUM AUTUMN WHEAT
ROTARI Silvia, GORE Andrei, LEATAMBORG Svetlana, BOGDAN Viorica
Institute of Genetics, Physiology and Plant Protection, Republic of Moldova
- 15:40 – 16:00 LOW-VOLUME SPRAYING OF THE VINEYARDS WITH UNMANNED
AERIAL VEHICLE
POPA Alexei, **TODIRAS Vladimir**, GORBAN Victor
Institute of Genetics, Physiology and Plant Protection, Republic of Moldova

16:00 – 16:30 DISCUSSION AND SUMMARIZATION

Conference Hall of the IGPPP, Block A, floor 2

For virtual attendees: <https://us02web.zoom.us/j/3952708736>

POSTER SESSION

I. Molecular and cell biology

1. ALGORITHM FOR CREATING ELECTROPHORETIC PASSPORTS OF MAIZE HYBRIDS
ADAMCIUC A., BATIRU G., COMAROVA Galina, BOUNEGRU S., ROTARI E.
State Agrarian University of Moldova, Chisinau, Republic of Moldova
2. MOLECULAR IDENTIFICATION OF *Fusarium* spp. PATHOGENS IN SESAME SEEDS
BELOUSOVA Galina, MOGILDA A.
Institute of Genetics, Physiology and Plant Protection, Chisinau, Republic of Moldova
3. ADAPTIVE AND DIAGNOSTIC MICROSCOPIC STRUCTURES FOR *C. Occidentalis* (L.)
LINK SPECIES
CALALB Tatiana
Nicolae Testemitanu State University of Medicine and Pharmacy, Chisinau, Republic of Moldova
4. MALE GAMETOPHYTE OF SWEET AND WAXY CORN HYBRIDS UNDER
DROUGHT AND SALT STRESS CONDITIONS
CLIMENCO Oxana
Institute of Genetics, Physiology and Plant Protection Chisinau, Republic of Moldova

5. EVALUATION OF THE EFFECTS OF OSMOTIC AND SALIN STRESSES ON MALE GAMETOPHYTE OF MAIZE

CLIMENCO Oxana

Institute of Genetics, Physiology and Plant Protection Chisinau, Republic of Moldova

6. MOLECULAR DIAGNOSIS OF FUNGAL PATHOGENS IN WINTER WHEAT VARIETIES WITH DIFFERENT RESISTANCE

CUZNETOVA Irina

Institute of Genetics, Physiology and Plant Protection, Chisinau, Republic of Moldova

7. THE STUDY OF ISSR-MARKERS POLYMORPHISM IN BROOMRAPE POPULATIONS FROM BULGARIA

DUCA Maria, BIVOL Ina

Centre for Functional Genetics, Moldova State University, Chisinau, Republic of Moldova

8. GENOTYPING OF BROOMRAPE POPULATIONS WITH DIFFERENT GEOGRAPHICAL ORIGIN

DUCA Maria, MUTU Ana, CLAPCO Steliana

Moldova State University, Chisinau, Republic of Moldova

9. ANALYSIS OF THE COMPOSITION OF FUSARIUM PATHOGENS IN THREE TRITICALE VARIETIES

IGNATOVA Zoia

Institute of Genetics, Physiology and Plant Protection, Chisinau, Republic of Moldova

10. REMODELLING OF CROSSING OVER AS A CAUSE OF JUXTAPOSITION EFFECT IN MAIZE

MIHAILOV Mihail

Institute of Genetics, Physiology and Plant Protection. Chisinau, Republic of Moldova

11. STOLBUR HAZARD CHECK IN EGGLANTS IN MOLDOVA

ZAMORZAEVA Irina, BAHŞIEV Aighiuni, FOCŞA Nina, FOCŞA Nina

Institute of Genetics, Physiology and Plant Protection, Chisinau, Republic of Moldova

II. Bioengineering and tissue culture
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12. PROPAGATION OF VACCINIUM MACROCARPON CULTIVARS BY CONVENTIONAL TECHNIQUES AND TISSUE CULTURE

CHIŢAN Raisa, CIOCHINA Nina

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

13. THE IMPACT OF GROWING REGULATORS ON CULTIVAR –DIFFERENTIATORS TO POTATO WART IN CULTURE *IN VITRO*

SKOREIKO Alla, ANDRIYCHUK Tetyana, BILYK Roman, SAFRONOVA Tamara

Ukrainian Scientific-Research Plant Quarantine Station Institute of Plant Protection NAAS

14. EXPRESSION OF QUANTITATIVE TRAITS IN SOMACLONES (SC₁) OBTAINED FROM DIFFERENT TYPES OF VIRUS-INFECTED TOMATO PLANT EXPLANTS

SMEREA Svetlana

Institute of Genetics, Physiology and Plant Protection, Chisinau, Republic of Moldova

III. Macrocompounds and metabolic processes
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15. INFLUENCE OF SUPRAOPTIMAL TEMPERATURES ON MAIZE AT THE INITIAL STAGES OF GROWTH

BOROVSKAIA Ala, LUTCAN Elena, IVANOVA Raisa

Institute of Genetics, Physiology and Plant Protection, Chisinau, Republic of Moldova

16. EFFICIENCY OF REGLALG IN INCREASING MAIZE TOLERANCE TO SUPEROPTIMAL TEMPERATURES

CAUS Maria¹, DASCALIUC A.¹, BOROZAN P.²

¹*Institute of Genetics, Physiology and Plant Protection, Chisinau, Republic of Moldova,*

²*Public Institution „Porumbeni” Institute of Phytotechnics, Pascani, Republic of Moldova*

17. EFFECT OF BIOREGULATORS ON SEED GERMINATION AND ADAPTATION OF BEECH SEEDLING

ELISOVETCAIA Dina, IVANOVA Raisa, MASCENCO Natalia

Institute of Genetics, Physiology and Plant Protection, Chisinau, Republic of Moldova

18. THE SYNTHESIS OF THE MINOR COMPONENT E7-C12Ac OF THE SEX PHEROMONE OF THE *Lobesia botrana*

JALBĂ Svetlana, ODOBESCU Vasilisa, ERHAN Tatiana

Institute of Genetics, Physiology and Plant Protection, Chisinau, Republic of Moldova

19. THE GERMINATIVE REACTION AS A PHYSIOLOGICAL INDEX OF THE EFFICIENCY OF THE BIOSTIMULATORS IN PROTECTING PLANTS AT NEGATIVE TEMPE

JELEV Natalia

Institute of Genetics, Physiology and Plant Protection, Chisinau, Republic of Moldova

20. MICROELEMENTS CONTENT IN CHERNIVTSI REGION

GUNCHAK Mychailo

Chernivtsi branch of the state institution “Institute of soil protection of Ukraine”

21. VIABILITY TESTING AND GERMINATION CAPACITY

KHUDOYBERDIEVA S.A.

Botany institute of academy science of Uzbekistan

22. PARA-AMINOBENZOIC ACID DERIVATIVES AS POTENTIAL PLANT GROWTH REGULATO

LISOUSKAYA Maryna, MIKHALCHUK Alexandr, GONCHARUK Violetta, ZOTOVA Galina, POPOVA Maria

The Institute of Bioorganic Chemistry, the National Academy of Sciences of Belarus

23. INFLUENCE OF HEAT SHOCK ON MAIZE SEEDS GERMINATION BY CHANGES IN STARCH CONTENT

MASHCENKO Natalia, BOROVSKAIA Ala, IVANOVA Raisa

Institute of Genetics, Physiology and Plant Protection, Chisinau, Republic of Moldova

24. SYNTHESIS OF THE MINOR COMPONENT E9-C12OH OF THE SEX PHEROMONE OF THE CODLING MOTH

ODOBESCU Vasilisa, JALBĂ Svetlana, ERHAN Tatiana

Institute of Genetics, Physiology and Plant Protection, Chisinau, Republic of Moldova

25. INVESTIGATION OF THE PROTECTIVE PROPERTIES OF THE REGALG GROWTH BIOREGULATOR ON *Triticum aestivum* L.

PLATOVSCII Nicolai, ZDIORUK Nina, RALEA Tudor

Institute of Genetics, Physiology and Plant Protection, Chisinau, Republic of Moldova

26. EFFECTS OF A NEW BIOFERTILIZER GUMILAIT, WG ON YIELD AND OIL CONTENT OF WINTER RAPE SEEDS

ROTARU Vladimir

Institute of Genetics, Physiology and Plant Protection, Chisinau, Republic of Moldova

IV. Biotechnology for environment and plant protection

27. POTATO FUNGI DISEASES SPREAD AND CROP BIOLOGICAL PROTECTION IN WESTERN REGION OF UKRAINE

ANDRIYCHUK Tetyana, SKOREIKO Alla, ZELYA Avrelia, SOLOMIYCHUK Mychailo

Ukrainian Scientific- Research Plant Quarantine Station Institute of Plant Protection NAAS

28. GOLDEN ROOT AS A SPECIES FOR ELABORATION THE STRATEGIES OF PLANT PROTECTION

CALUGARU-SPATARU Tatiana¹, DASCALIUC A.¹, PARIY Ya.², PARIY Yu.²

¹Institute of Genetics, Physiology, and Plant Protection (Moldova), ²Ukrainian Scientific Institute of Plant Breeding (Ukraine)

29. TIMING FOR BIOLOGICAL CONTROL OF PATHOGENS ON REINETTE SIMIRENKO APPLE VARIETY

CURIEV Loredana

Institute of Genetics, Physiology and Plant Protection, Chisinau, Republic of Moldova

30. THE ROLE OF THE DOLICHOPODIDAE AND EMPIDIDAE FAMILIES IN THE PLUM PLANTATION AND TRITROPHIC RELATIONSHIPS

IORDOSOPOL Elena

Institute of Genetics, Physiology and Plant Protection, Chisinau, Republic of Moldova

31. THE MOLDSTIM INFLUENCE ON THE *Pisum sativum* PLANTS PRODUCTIVITY AND RESISTANCE

KOZAR Elena¹, KAIGORODOVA Irina¹, ENGALYCHEVA Irina¹, MASHCENKO Natalia²

¹Federal State Budgetary Scientific Institution Federal Scientific Vegetable Center (FSBSI FSVC), Russia; ² Institute of Genetics, Physiology and Plant Protection, Chisinau, Republic of Moldova

32. THE PHYTOHORMONES USAGE AS POTATO PROTECTION SYSTEM ELEMENT AGAINST POTATO FUNGI DISEASES IN TERMS OF WESTERN FORESTSTEPPE

GAVRILUICK A.T., ZELYA A.G., NEMERYTSKA L.V.

Ukrainian Scientific Research Plant Quarantine Station Institute of Plant Protection Institute NAAS

33. THE INITIATION OF STERNBERGIA COLCHICIFLORA (AMARYLLIDACEAE) IN TISSUE CULTURE

GHEREG Melania, CIORCHINĂ Nina, TABĂRA Maria, GHENDOV Veaceslav

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

34. PLANT EXTRACTS IN SPIDER MITES CONTROL

GLADKAYA Alla, NASTAS Tudor

Institute of Genetics, Physiology and Plant Protection, Chisinau, Republic of Moldova

35. MULTIFUNCTIONAL DEVICE FOR ATTRACTING AND CAPTURING HARMFUL INSECTS

GORBAN Victor, TODIRAȘ Vladimir, SAVRANSCHII Denis

Institute of Genetics, Physiology and Plant Protection, Chisinau, Republic of Moldova

36. CULTIVATION ATTEMPTS OF *Saccharopolyspora spinosa* ON LIQUID MEDIUM

LUNGU Andrei

Institute of Genetics, Physiology and Plant Protection, Chisinau, Republic of Moldova

37. RESEARCH ON THE ANTIFUNGAL PROPERTIES OF OXIDATED TANIN EXTRACTS

LUPASCU Galina, GAVZER Svetlana, CRISTEA Nicolae, LUPASCU Lucian, TIMBALIUC Nina

Institute of Genetics, Physiology and Plant Protection, Chisinau, Republic of Moldova

38. ANTAGONISTIC PROPERTIES OF SOME LOCAL ENTOMOPATHOGENS OF THE *Beauveria* GENUS

MOLDOVAN Anna^{1,2}, CIORICI C.², MUNTEANU-MOLOTIEVSKIY Natalia¹

¹Institute of Zoology, Chisinau, Republic of Moldova, ²Moldova State University, Chisinau, Republic of Moldova

39. LABORATORY REARING AND VORACITY OF TWO ANTHOCORID SPECIES (HEMIPTERA: ANTHOCORIDAE) ON DIFFERENT PREYS

MUNTYAN Elena, IORDOSOPOL Elena, BATKO M., PLACINTA Mihaella, MAEVSKAYA Valentina

Institute of Genetics, Physiology and Plant Protection, Chisinau, Republic of Moldova

40. SEXUAL AND REPRODUCTIVE CORRELATION OF THE POPULATION OF THE AGROTIS SEGETUM (Den. et Schiff.)

NASTAS Tudor¹, GHELETIUC Olesea¹, RUSU Iuliana, GAVRILUICK Aliona²

¹Institute of Genetics, Physiology and Plant Protection, Chisinau, Republic of Moldova,

²Ukrainian Scientific Research Plant Quarantine Station Institute of Plant Protection Institute NAAS

41. BACTERIOPHAGES PSEUDOMONAS SYRINGAE pv. SYRINGAE IN THE BACTERIAL CANKER CONTROL

SAMOILOVA Anna

Institute of Genetics, Physiology and Plant Protection, Chisinau, Republic of Moldova

42. THE BEHAVIOR OF SOME AUTUMN TRITICAL GENOTYPES TO BIOTIC STRESS *IN VITRO*

SASCO Elena, LEATAMBORG Svetlana

Institute of Genetics, Physiology and Plant Protection, Chisinau, Republic of Moldova

43. SCREENING OF WHEAT GENOTYPES RESPONSE UNDER DROUGHT CONTROLLED CONDITIONS

SASCO Elena

Institute of Genetics, Physiology and Plant Protection, Chisinau, Republic of Moldova

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