

*European Association for Research on Plant Breeding
Scientific Association of Geneticists and Breeders of the Republic of Moldova*

INTERNATIONAL CONGRESS ON OIL AND PROTEIN CROPS

Meeting of the EUCARPIA Oil and Protein Crops Section

*The congress is dedicated to the 50th anniversary of Scientific Association of
Geneticists and Breeders of the Republic of Moldova*

PROGRAMME

**Chisinau, Republic of Moldova,
May 20-24, 2018**



EUROPEAN ASSOCIATION FOR RESEARCH ON PLANT BREEDING

European Association for Research on Plant Breeding (EUCARPIA) is a non-profit organization, founded in 1956 and officially seated in Wageningen (the Netherlands). EUCARPIA aims to promote scientific and technical co-operation in the field of plant breeding in order to foster its further development. To achieve this purpose, the Association arranges and sponsors meetings to discuss general or specific problems from all fields of plant breeding and genetic research.

The association includes session in different fields, as follow: Potatoes; Cereals; Organic and Low-Input Agriculture; Fodder Crops and Amenity Grasses; Genetic Resources; Maize and Sorghum; Vegetables; Fruit; Ornamentals; Oil and Protein Crops; Biometrics in Plant Breeding. EUCARPIA organizes section and working group meetings throughout Europe each year. During these meetings devoted to particular crops or cross-cutting topics, specialized up-to-date knowledge and methodology are exchanged among leading scientists and conveyed to practical plant breeders. Every four years, the General Congress is held together with the general assembly. These congresses are an opportunity for all EUCARPIA members to discuss subjects of a wider interest. They provide a forum for presentation of the problems and challenges which plant breeding faces today and in the future.



SCIENTIFIC ASSOCIATION OF GENETICISTS AND BREEDERS OF THE REPUBLIC OF MOLDOVA

Since its founding till now, the Society's activity was marked with important steps in formation and maturation of many researchers, appearance and shaping of different research areas, creation and discoveries in natural sciences with original results in plants, animals and microorganisms breeding. The fundamental basis of these studies was laid in 40-50-ies of XX century, when the first departments in this area were founded. The multilateral and systematic research in genetics and breeding, initiated in 50s, and has intensified since 1957, when the Section of Plant Genetics was organized in Moldavian Academy of Sciences (MAS). Later, the genetics development was conducted in both terms: deepening of fundamental studies and creation of varieties and hybrids, research of their productivity potential, the homologation and production of seeds.

Founding of the Scientific Society of Geneticists and Breeders of Moldova was possible due to organizational capacity of academician Anatol Kovarschi, a prominent scientist in genetics and plant breeding. On 27 December, 1968, during the general meeting of the Department of Biological and Chemistry Sciences of MAS, it was decided to establish the Republican Section of Geneticists and Breeders Society, named after N. I. Vavilov, which had the objective to strengthen the forces to solve the breeding and seed production problems and promote the basic research in plants, animals and human genetics. Then, the fourth plenary meeting of the All-Union Society of Geneticists and Breeders of 18-20 March, 1979 has approved the decision to create the Geneticists and Breeders Society of Moldova.

INVITAȚIE

Stimată doamnă/ Stimate domn,

Avem deosebita onoare de a vă invita în perioada 20-24 mai 2018 la **Congresul Internațional *Culturi Oleaginoase și Proteice***, organizat de către **Asociația Științifică a Geneticienilor și Amelioratorilor din Republica Moldova** în colaborare cu **Societatea Europeană de Cercetare în Ameliorarea Plantelor (EUCARPIA)**.

La lucrările Congresului au confirmat participarea peste 340 de reprezentanți ai comunității academice internaționale, profesori universitari, cercetători științifici din 30 universități, 45 de instituții de cercetare și 8 companii private din 27 țări (Austria, Azerbaijan, Belarus, Bulgaria, Canada, Cehia, Columbia, Estonia, Germania, Ungaria, India, Iran, Italia, Kazahstan, Moldova, Olanda, Pakistan, Polonia, România, Rusia, Serbia, Slovacia, Spania, Elveția, Tunisia, Turcia, Ucraina).

În cadrul Congresului vor fi abordate aspecte inovaționale privind dezvoltarea durabilă și valorificarea eficientă a resurselor genetice.

Agenda congresului include următoarele sesiuni:

- Biodiversitate și resurse genetice
- Ameliorarea plantelor
- Genetica moleculară și biotehnologii
- Rezistența la stresul biotic și abiotic
- Siguranța și calitatea produselor alimentare

Vă așteptăm cu drag la deschiderea evenimentului științific, ce va avea loc în data de 21 mai 2018 la orele 10:00, în sala Azurie a Academiei de Științe a Moldovei (bd. Ștefan cel mare și Sfânt, 1).

Președintele Asociației Științifice a Geneticienilor
și Amelioratorilor din Republica Moldova

acad. Maria DUCA

INTERNATIONAL SCIENTIFIC COMMITTEE

DUCA Maria (Chair), President of the Scientific Association of Geneticists and Breeders of the Republic of Moldova, *Republic of Moldova*

ANTONOVA Tatiana, VNIIMK All-Russia Research Institute of Oil Crops, Krasnodar, *Russia*
BOLLER Beat, EUCARPIA Executive Committee representative, Agroscope, Zurich, *Switzerland*

CHESNOCOV Yuriy, Agrophysical Research Institute, Sankt-Petersburg, *Russia*

De RON Antonio M., EUCARPIA Protein Crops Working Group Leader, MBG-CSIC, Pontevedra, *Spain*

DENEV Ilya, University of Plovdiv, *Bulgaria*

DZIUBENCO Nicolai, "N. I. Vavilov" Research Institute of Plant Industry, Sankt-Petersburg, *Russia*

HAM Le Huy, Institute of Agricultural Genetics, Hanoi, *Vietnam*

JOITA-PACUREANU Maria, Agricultural Research and Development Institute Fundulea, *Romania*

KAYA Yalçın, Trakya University, Engineering Faculty, *Turkey*

MAPELLI Sergio, Institute of Agricultural Biology and Biotechnology, Milan, *Italy*

MICU Vasile, Institute of Crop Production "Porumbeni", *Republic of Moldova*

MILADINOVIC Dragana, Institute of Field and Vegetable Crops, Novi Sad, *Serbia*

RUBIALES Diego, Institute for Sustainable Agriculture, Spanish National Research Council, Córdoba, *Spain*

UZUN Bulent, EUCARPIA Oil and Protein Crops Section Chair, Akdeniz University, *Turkey*

VELASCO Leonardo, International Sunflower Association representative, Institute for Sustainable Agriculture, Cordoba, *Spain*

VINTU Vasile, "Ion Ionescu de la Brad" University of Agricultural Sciences and Veterinary Medicine, Iasi, *Romania*

VOLLMANN Johann, University of Natural Resources and Applied Life Sciences, Vienna, *Austria*

SPONSORS



European Association for Research on Plant Breeding is a non-profit organization. EUCARPIA aims to promote scientific and technical co-operation in the field of plant breeding in order to foster its further development.



Biotehnos is a pharmaceutical company which celebrated 20 years of existence. The main activity of the company is production of original drugs and pharmaceutical active ingredients, from both animal and plant origin.



The "**Dimitrie Cantemir**" State University is a higher education institution. The mission of the university consists in the development and implementation of advanced study programs at all university levels and postgraduate training, research and innovation generating capacity.



The "**Clean House**" is a leader network of shops of cosmetics and household chemicals in Moldova.

CONGRESS PROGRAMME STRUCTURE

MAY, 20

ARRIVAL OF THE PARTICIPANTS

MAY, 21

Blue Hall of the Academy of Sciences of Moldova (1 Stefan cel Mare bd.)

9 ⁰⁰ – 10 ⁰⁰	REGISTRATION <i>Visit to the Museum of Academy of Sciences of Moldova</i>
10 ⁰⁰ – 10 ⁴⁵	OPENING REMARKS
10 ⁴⁵ – 11 ¹⁵	<i>Welcome coffee</i>
11 ¹⁵ – 13 ⁰⁰	BIODIVERSITY AND GENETIC RESOURCES Keynotes and short lectures
13 ⁰⁰ – 14 ⁰⁰	<i>Lunch break and poster session</i>
14 ⁰⁰ – 15 ⁴⁰	MOLECULAR GENETICS AND BIOTECHNOLOGY Keynotes and short lectures
15 ⁴⁰ – 15 ⁵⁵	Group photo
16 ⁰⁰ – 20 ⁰⁰	Cultural Program and Gala Dinner <i>Visit to the Castel Mimi</i>

MAY, 22

Blue Hall of the Academy of Sciences of Moldova (1 Stefan cel Mare bd.)

9 ⁰⁰ – 10 ²⁵	PLANT BREEDING Keynotes and short lectures
10 ²⁵ – 11 ¹⁰	<i>Coffee break and poster session</i>
11 ¹⁰ – 12 ³⁵	PLANT BREEDING Keynotes and short lectures
12 ³⁵ – 13 ³⁵	<i>Lunch break</i>
13 ³⁵ – 15 ⁰⁰	RESISTANCE TO BIOTIC AND ABIOTIC STRESS FOOD SAFETY AND QUALITY Keynotes and short lectures
15 ⁰⁰ – 15 ⁴⁵	<i>Coffee break and poster session</i>
15 ⁴⁵ – 16 ¹⁵	Closing remarks and poster prize
16 ¹⁵ – 17 ⁰⁰	Assembly meeting of EUCARPIA members
18 ⁰⁰ – 21 ⁰⁰	Cultural Program and Dinner <i>Visit to the famous Cricova cellar</i>

MAY, 23

9 ³⁰ – 11 ⁰⁰	Field trip (<i>Institute of Crop Science "Porumbeni"</i>)
11 ³⁰ – 12 ³⁰	Field trip (<i>Institute of Genetics, Physiology and Plant Protection</i>)
13 ⁰⁰ – 15 ⁰⁰	Lunch break (<i>Botanical Garden</i>)

MAY, 24

DEPARTURE OF PARTICIPANTS

DETAILED CONGRESS PROGRAMME

MAY, 20

ARRIVAL OF THE PARTICIPANTS

MAY, 21

Blue Hall of the Academy of Sciences of Moldova (1 Stefan cel Mare bd.)

9⁰⁰ – 10⁰⁰ **REGISTRATION**

Visit to the Museum of Academy of Sciences of Moldova

10⁰⁰ – 10⁴⁵ **OPENING REMARKS**

Presentation of the European Association for Research on Plant Breeding
BOLLER Beat, EUCARPIA Executive Committee representative,
Agroscope, Switzerland

Scientific Association of Geneticists and Breeders of the Republic of Moldova: Celebrating 50 years

DUCA Maria, President of the Scientific Association of Geneticists and Breeders of the Republic of Moldova, Republic of Moldova

10⁴⁵ – 11¹⁵ **Welcome coffee**

BIODIVERSITY AND GENETIC RESOURCES

Chairs: Vasile BOTNARI, Leonardo VELASCO

Invited speakers

11¹⁵ – 11³⁵ *The Secret Life of Plants: genetic symphony*

TOMA Constantin, "Al. Ioan Cuza" University of Iasi, Romania

11³⁵ – 11⁵⁵ *Camelina sativa (L.) - agronomic, physiological and biochemical aspects: experience in Italy and Assam*

MAPELLI Sergio, Institute of Agricultural Biology and Biotechnology, Italy

Short lectures

11⁵⁵ – 12¹⁵ *Collections of oilseeds at the Institute of Oilseed Crops of the National Academy of Agricultural Sciences of Ukraine*

LYAKH Viktor, VEDMEDEVA Kate, Institute of Oilseed Crops of the National Academy of Agricultural Sciences, Ukraine

12¹⁵ – 12³⁰ *Non-food oilseed plants as an alternative resource for biofuel production*
SAIKIA Siddhartha, CSIR-North East Institute of Science and Technology, India

12³⁰ – 12⁴⁵ *Conservation of plant diversity in "Alexandru Ciubotaru" National Botanical Garden from Moldova*

ROSCA Ion, "Alexandru Ciubotaru" National Botanical Garden, Republic of Moldova

12⁴⁵ – 13⁰⁰ *Present situation and perspectives of plant genetic resources documentation system in Republic of Moldova*

ROMANCIUC Gabriela, Institute of Genetics, Physiology and Plant Protection, Republic of Moldova

13⁰⁰ – 14⁰⁰ **Lunch break and poster session**

MOLECULAR GENETICS AND BIOTECHNOLOGY

Chairs: Maria JOITA-PACUREANU, Sergio MAPELLI

Invited speakers

14⁰⁰ – 14²⁰ *Integration of molecular tools to oil and energy crops breeding: case studies in groundnut, sesame, soybean and sweet sorghum*

UZUN Bulent, Chair of Oil and Protein Crops Section of EUCARPIA, Turkey

- 14²⁰–14⁴⁰ *Plant parasitism from the prospective of the system host plants - parasitic broomrapes-soil microbiome*
DENEV Ilya, University of Plovdiv, Bulgaria

Short lectures

- 14⁴⁰–14⁵⁵ *Selection of restriction-enzyme for optimum genome reduction in groundnut*
YOL Engin, Akdeniz University, Turkey
- 14⁵⁵–15¹⁰ *Effects of bacterial inoculation (*Rhizobium leguminosorum* biovar *viciae*) on the seed yield, nodule number, nodule dry weight and some agronomical characteristics of common pea cultivars (*Pisum sativum* L.)*
KARASU Abdullah, Uludag University, Turkey
- 15¹⁰–15²⁵ *Combining gene and genome mutations in maize breeding for grain protein content and quality*
BATIRU Grigorii, State Agrarian University of Moldova, Republic of Moldova
- 15²⁵–15⁴⁰ *Specific and nonspecific resistance of sunflower (*Helianthus annuus* L.) to broomrape (*Orobanche cumana* Wallr.)*
TABARA Olesea, "Dimitrie Cantemir" State University, Republic of Moldova
- 15⁴⁰–15⁵⁵ **Group photo**
- 16⁰⁰–20⁰⁰ **Cultural Program and Gala Dinner**. Visit to the Castel Mimi

MAY, 22

Blue Hall of the Academy of Sciences of Moldova (1 Stefan cel Mare bd.)

PLANT BREEDING

Chairs: Andrei PALII, Bulent UZUN

Invited speakers

- 9⁰⁰ – 9²⁰ *Legume landraces for a sustainable agriculture: intercropping common bean-maize, a case study*
De RON Antonio M., Protein Crops WG Leader MBG-CSIC, Pontevedra, Spain
- 9²⁰ – 9⁴⁰ *Breeding for oil quality*
VELASCO Leonardo, Institute for Sustainable Agriculture, Spain

Short lectures

- 9⁴⁰ – 9⁵⁵ *Development of Faba Bean in Canada – Past, Present, Future*
VANDENBERG Albert, University of Saskatchewan, Canada
- 9⁵⁵– 10¹⁰ *Unlocking the full potential of 2000 maize inbred lines for nowadays societal needs using state of the art molecular biology tools*
MICLAUS Mihai, National Research and Development Institute for Biological Sciences, Cluj-Napoca, Romania
- 10¹⁰–10²⁵ *New sunflower genotypes with increased drought resistance and constant productivity in organic farming systems*
SAUCA Florentina, National Agricultural Research and Development Institute, Fundulea, Romania
- 10²⁵– 11¹⁰ *Coffee break and poster session*

PLANT BREEDING

Chairs: Vasile MICU, Ilya DENEV

Invited speakers

- 11¹⁰–11³⁰ *Sunflower breeding. New approach related to the seed market requests*
JOITA-PACUREANU Maria, National Agricultural Research and Development Institute, Fundulea, Romania

- 11³⁰– 11⁵⁰ *Confectionary pumpkin breeding: Priorities and recent developments*
KAYA Yalçın, Trakya University, Turkey
- Short lectures**
- 11⁵⁰–12⁰⁵ *Bases for genetic improvement of grain legumes and cereals*
BOTNARI Vasile, Institute of Genetics, Physiology and Plant Protection, Republic of Moldova
- 12⁰⁵–12²⁰ *Achievements and perspectives in food breeding of maize for food*
MATICIUC Vasile, Institute of Crop Production "Porumbeni", Republic of Moldova
- 12²⁰–12³⁵ *New technologies in maize breeding and research*
ROTARENCO Valeriu, VAR BREEDING Ltd. Republic of Moldova
- 12³⁵– 13³⁵ *Lunch break and poster session*

RESISTANCE TO BIOTIC AND ABIOTIC STRESS

FOOD SAFETY AND QUALITY

Chairs: Vasile MATICIUC, Albert VANDENBERG

Invited speakers

- 13³⁵– 13⁵⁵ *Causal relationships in the infection of sunflower with fungi of the genus Fusarium in the Russian Federation*
ANTONOVA Tatiana, VNIIMK All-Russia RI of Oil Crops, Krasnodar, Russia
- 13⁵⁵–14¹⁵ *Soybean breeding for improved food safety and health value*
VOLLMANN Johann, University of Natural Resources and Applied, Vienna, Austria

Short lectures

- 14¹⁵–14³⁰ *The impact of the drought, according to the duration of ripening differing wheat genotypes signs of photosynthetic research*
TAMRAZOV Tamraz, Research Institute of Crop Husbandry, Azerbaijan
- 14³⁰– 14⁴⁵ *Modern techniques of stress water identification from lands with different species of oilseeds or legumes*
ROBU Teodor, "Ion Ionescu de la Brad" University of Agricultural Sciences and Veterinary Medicine, Iasi, Romania
- 14⁴⁵–15⁰⁰ *Sunflower crop and climate change*
VRONSCHIH Mihail, Research Institute of Field Crops "Selectia", Republic of Moldova
- 15⁰⁰–15⁴⁵ *Coffee break and poster session*
- 15⁴⁵–16¹⁵ **Closing remarks and poster prize**
BOLLER Beat, EUCARPIA Executive Committee representative
UZUN Bulent, Chair of Oil and Protein Crops Section of EUCARPIA
DUCA Maria, President of the Scientific Association of Geneticists and Breeders of the Republic of Moldova
- 16¹⁵–17⁰⁰ **Assembly meeting of EUCARPIA members**
- 18⁰⁰–21⁰⁰ **Cultural Program and Dinner.** Visit to the famous Cricova cellar

MAY, 23

- 9³⁰ – 11⁰⁰ **Field trip (Institute of Crop Science "Porumbeni")**
- 11³⁰– 12³⁰ **Field trip (Institute of Genetics, Physiology and Plant Protection)**
- 13⁰⁰– 15⁰⁰ **Lunch break (Botanical Garden)**

MAY, 24

DEPARTURE OF PARTICIPANTS

POSTER PRESENTATIONS

Session A. BIODIVERSITY AND GENETIC RESOURCES

Agapi I. GENETIC DIVERSITY, BIOCHEMICAL AND PHYSICAL PROPERTIES OF SOME WALNUT GENOTYPES

Annamaa K., Narits L., Bender I. CHARACTERIZATION AND EVALUATION OF ESTONIAN GARDEN PEA (*Pisum sativum* L. ssp. *sativum* convar. *medullare* emend Alef. emend. C.O.Lehm.) GENETIC RESOURCES

Borah N., Mapelli S., Chaliha B., S.P. Saikia NON-FOOD OILSEED PLANTS AS AN ALTERNATIVE RESOURCE FOR BIOFUEL PRODUCTION

Bran A., Sava E., Ion V. EVOLUTION OF THE NUMBER OF SUNFLOWER HYBRIDS REGISTERED FOR CULTIVATION IN ROMANIA

Budak F. EFFECTS OF FERTILIZATION ON GRAIN YIELD AND QUALITY OF QUINOA (*Chenopodium quinoa* Willd.) VARIETY OF SALCEDO

Caproni L., Raggi L., Elise F. Talsma., Luis G. Santos, Javier M. Gereda, Luis F. Londoño, Peter Wenzl, Steve Beebe, Negri V. SCREENING COMMON BEAN (*Phaseolus vulgaris* L.) GERMLASM FOR Fe AND Zn BIOFORTIFICATION

Chavdar N., Rushchuk A., Shaykhirov D. THE OPTIMUM MILK THISTLE CROPS SCHEME FOR TRANSNISTRIA CONDITIONS

Chavdar N., Rushchuk A. PHYSICAL MUTAGENESIS AS A METHOD OF INITIAL MATERIAL CREATION FOR SESAME SELECTION

Ciocarlan N. EX SITU CONSERVATION OF OILSEED PLANT RESOURCES IN THE BOTANICAL GARDEN (INSTITUTE), REPUBLIC OF MOLDOVA

Corlateanu L., Mihaila V., Ganea A. STORAGE POTENTIAL OF WHEAT COLLECTION ACCESSIONS UNDER THE CONDITIONS OF EX SITU CONSERVATION

Martea R., Cernolev E., Dencicov L. COMPARATIVE GENETIC DIVERSITY STUDIES USING RAPD MARKERS

Elisovetcaia D., Ivanova R., Brindza J. OIL FROM *Juniperus sabina* L. FOR BIOLOGICAL PESTS CONTROL

Ganea A. INVENTORYING AND COLLECTING OF THE LANDRACES OF THE OIL AND PROTEIN CROPS IN REPUBLIC OF MOLDOVA

Gribincea V. ASSESSMENT OF PHENOTYPIC AND GENETIC DIVERSITY IN MAIZE INBRED LINES

Gutu A., Titei V., Teleuta A. ECONOMIC VALUE OF THE LEGUMINOUS PLANT SPECIES *Anthyllis macrocephala*, *Astragalus cicer*, *Coronilla varia* AND *Glycyrrhiza glabra* IN MOLDOVA

Hosni T., Mdimagh S., Benyoussef N.O., Hamadi B.S., Kharrat M. MORPHOLOGICAL CHARACTERIZATION OF A COLLECTION OF SUNFLOWER (*Helianthus annuus* L.) ACCESSIONS CULTIVATED IN TUNISIA

Huseynzade Nesrin R. QUALITY ANALYSIS OF DIFFERENT ONION VARIETIES

Kistol M., Budak A., Kharchuk O. INCREASING OF THE INFORMATION ABOUT OIL CONTENT IN SEEDS (NMR-RELAXATION STUDY)

Kon'kova N. BIOCHEMICAL CHARACTERIZATION OF THE NIGER (*Guizotia abyssinica* (L. f.) Cass.) COLLECTION OF N.I. VAVILOV INSTITUTE (VIR)

Kon'kova N. *Camelina sativa* (L.) Crantz. VIR COLLECTION COMPREHENSIVE STUDY IN THE CONDITIONS OF NORTH-WEST REGION OF RUSSIAN FEDERATION

Marjanović Jeromela A., Grahovac N., Glogovac S., Cvejić S., Miladinović D., Kondić A.,

Špika, Vollmann J. GENOTYPIC VARIATION OF OIL AND PROTEIN CONTENT IN SEEDS OF CAMELINA (*Camelina sativa* (L.) Crtz.)

Medinagh S., Mechri M., Mastouri M., Salah H.B., Khamassi K. GENETIC VARIABILITY STUDIES FOR MORPHOLOGICAL AND QUALITATIVE ATTRIBUTES AMONG SPRING RAPESEED (*Brassica napus* L.) VARIETIES UNDER RAINFED CONDITIONS OF TUNISIA

Micu A. SOURCES AND PHENOTYPIC EXPRESSION OF A MAIZE CHARACTER THAT RESULT IN MALE STERILITY

Monich R., Koba L., Vdovychenko Z., Skórka M. BREEDING OF HIGH-YIELD SOYBEAN VARIETIES (*Glycine max* (L.) Merr.) BY THE «AgeSoya» COMPANY

Peleah E., Melnic V., Ungureanu I. BIOCHEMICAL DIVERSITY OF WILD MINTS OF MOLDOVA

Rotari E. APPROBATION OF JAPANESE TECHNOLOGY OF BIODIESEL PRODUCTION FOR OIL CROPS CULTIVATED IN THE REPUBLIC OF MOLDOVA

Rotari E., Rotari A., Comarova G. A NEW APPROACH TO THE USE OF PROTEIN MARKERS IN THE PROCESS OF CORN BREEDING FOR DROUGHT TOLERANCE

Rudakova A., Rudakov S., Artemyeva A., Kurina A., Kocherina N., Chesnokov I. POLYMORPHISM OF ESTERASES IN SEEDS OF SMALL RADISH (*Raphanus sativus* L.) FROM COLLECTION OF VIR

Shevchenko I., Lyakh V., Prof., Vedmediieva K. COLLECTIONS OF OILSEEDS AT THE INSTITUTE OF OILSEED CROPS OF THE NATIONAL ACADEMY OF AGRICULTURAL SCIENCES OF UKRAINE

Sibirny D., Sibirnaya L., Gorshkov V. FAT AND PROTEIN CONTENT IN SPRING RAPE SEEDS IN THE CENTRAL BLACK EARTH REGION OF RUSSIA

Ștefan G.A., Ivănescu L., Toma C., Olteanu Z., Marius Ștefan, Gorgan L. D., Zamfirache M.M. CORRELATION OF GENETIC DIVERSITY AND STRUCTURE OF VEGETATIVE ORGANS IN *Lavandula* SPECIES

Țiței V., Andreoiu A. C., Blaj V. A., Marușca T. FORAGE QUALITY OF BIRD'S-FOOT TREFOIL, LOTUS CORNICULATUS, IN THE FIRST YEAR OF VEGETATION

Țiței V., Stavarache M. SOME AGROBIOLOGICAL PECULIARITIES AND FODDER VALUE OF *Galega orientalis*, VARIETY SPERANTA

Vishnyakova M., Seferova I., Novikova L., Egorova G., Gridnev G. GENE POOL OF GRAIN LEGUMES IN VIR COLLECTION FOR AN EXPANDING THE BOUNDARIES OF CULTIVATION

Vus N., Kobyzeva L. CHICKPEA COLLECTION OF THE NATIONAL CENTRE FOR PLANT GENETIC RESOURCES OF UKRAINE

Yerzhanova S., Abayev S., Meirman G., Toktarbekova S., Kaspakbaev E., Nusubalieva F. WILD ALFALFA SPECIES IN KAZAKHSTAN AND THEIR USE IN BREEDING

Session B. PLANT BREEDING

Aleksandrova T. VETCHES CULTIVATED IN THE RUSSIAN FEDERATION

Bivol I., Curshunzhi D. APPLICATION OF RESISTANCE GENE ANALOG (RGA) MARKERS TO ANALYSES OF GENETIC POLYMORPHISM IN CHICKPEA (*Cicer arietinum* L.)

Boaghü I., Vatavu M., Lungu E. CREATING HIGH-PRODUCTIVE PRECOCIOUS AND MIDDLE-TARDILY HYBRIDES RESISTANT TO MAIN PATHOGENES, BROOMRAPE AND DROUGHT

Borozan P., Mustyatsa S., Rusu G., Spinu V. BREEDING OF EARLY MAIZE IN MOLDOVA

Borozan P., Rusu G. EARLY FLINT MAIZE BREEDING

Botnari V., Andronic L., Cotenco E. BASES FOR GENETIC IMPROVEMENT OF GRAIN LEGUMES AND CEREALS

Bručh N., Porokhovinova E., Pavlov A., Kutuzova S. NEW INITIAL MATERIAL FOR BREEDING OF LINSEED VARIETIES FOR NORTH WEST OF RUSSIA

Budak A., Coretchi L., Celac V., Kharchuk O. THE NEW *Glycine max* (L.) Merrill. VARIETIES

Burlyayeva M.O., Solovyeva A.E., Silenko S.I. THE STUDY OF GRASS PEA (*Lathyrus sativus* L.) GENETIC DIVERSITY IN TERMS OF BIOCHEMICAL INDICES OF GREEN MASS

Celac V. GENETIC AND AMELIORATION EVALUATIONS OF COWPEA (*Vigna unguiculata* (L.) Walp.)

Cheban A., Curshunzhi D. THE CONTENT OF TOTAL PROTEIN AND FAT IN SEEDS, AS WELL AS SOME PARAMETERS OF PRODUCTIVITY IN BREEDING MATERIEL OF CHICKPEA (*Cicer arietinum* L.).

Ciobanu V. A MORPHOLOGICAL DIVERSITY IN LOCAL VARIETIES OF MAIZE

Cliciuc D., Malii A., Cheban A. THE PROTEIN CONTENT IN THE SEEDS OF CHICKPEA, SOYBEAN AND PEANUT MUTANT VARIETIES INDUCED BY GAMMA RAY MUTAGENESIS

Curshunzhi D., Cheban A. EVALUATION OF CHICKPEA BREEDING MATERIAL BY YIELD, RESULTS OF TESTING SOME CHARACTERS FOR HOMO/HETEROGENEITY

Espanani S., Pérez-Vich B., Majidi M. M., Velasco L. SEED OIL QUALITY IN SAFFLOWER POPULATIONS DERIVED FROM INTERSPECIFIC HYBRIDIZATION

Gisca I., Cucereavii A., Clapco S. TECHNOLOGICAL PROCESSES USED IN THE COMPANY AMG-AGROSELECT COMERT SRL FOR ENHANCING THE QUALITY OF HYBRID SUNFLOWER SEEDS

Gisca I., Cucereavii A. ACHIEVEMENTS CONCERNING THE PRODUCTION OF HYBRID SUNFLOWER SEEDS IN THE COMPANY AMG-AGROSELECT COMERT SRL

Karasu A., Oz M., Goksoy A.T., Dogan R., Sincik M., Senyigit E. THE EFFECT OF ROW SPACING ON SEED YIELD AND SOME AGRONOMICAL CHARACTERS OF DIFFERENT SOYBEAN CULTIVARS AT SOUTH MARMARA REGION OF TURKEY

Maticciuc V., Mistreț S., Spânu A. THE SYSTEM OF THE TESTING CORN HYBRIDS IN MOLDOVA

Meirman G., Yerzhanova S., Abayev S., Kalibayev B., Nusubalieva F. CREATION OF INBRED LINES OF ALFALFA ON THE BASIS OF A SIGN OF SELF-FERTILITY FOR SELECTION OF SYNTHETIC VARIETIES

Mihailov M. IMPROUVING OF MAIZE INBRED LINES BY DIHAPLOID SELECTION

Miladinović D., Marjanović Jeromela A., Hladni N., Jocić S., Cvejić S., Dimitrijević A., Jocković M., Miklič V. OIL CROPS BREEDING FOR IMPROVED SEED COMPOSITION–ACHIEVEMENTS OF NS BREEDING PROGRAM

Musteățã S. IMPROVEMENT OF USEFUL GERMPLOSM IN EARLY MAIZE BREEDING

Palii A., Batiru G., Comarova G., Rotari A., Cojocari D. COMBINING GENE AND GENOME MUTATIONS IN MAIZE BREEDING FOR GRAIN PROTEIN CONTENT AND QUALITY

Rotari S., Gore A. RESULTS OF STUDYING OF WINTER DURUM WHEAT

Rybniński W., Świącicki W., Starzycka-Korbas E., Starzycki M., Barzyk P. SEEDS OF WHITE LUPIN (*Lupinus albus* L.) AS A VALUABLE SOURCE OF FAT AND FATTY ACIDS

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