

XIth INTERNATIONAL CONGRESS OF GENETICISTS AND BREEDERS FROM THE REPUBLIC OF MOLDOVA

SUNFLOWER GENETIC RESOURCES
FOR BREEDING: GERMPLASM
EVALUATION AND CONSERVATION
(Webinar)

PROGRAMME



SAGBRM



15-16 June, 2021
Chisinau, Republic of Moldova



*Scientific Association of Geneticists and Breeders of the Republic of Moldova (SAGBRM)
Institute of Genetics, Physiology and Plant Protection (IGPPP), Republic of Moldova
Center of Functional Genetics, Moldova State University (CFG, MSU)
Moldovan Research and Development Association (MRDA)
International Sunflower Association (ISA), France
N.I. Vavilov All-Russian Institute of Plant Genetic Resources (VIR), Russian Federation*

XIth INTERNATIONAL CONGRESS OF GENETICISTS AND BREEDERS FROM THE REPUBLIC OF MOLDOVA

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ORGANIZERS

Scientific Association of Geneticists and Breeders of the Republic of Moldova
Institute of Genetics, Physiology and Plant Protection
Center of Functional Genetics, Moldova State University
Moldovan Research and Development Association

INTERNATIONAL SCIENTIFIC COMMITTEE

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CONGRESS SECRETARIAT

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PROGRAMME

TUESDAY, JUNE 15

9³⁰– 10⁰⁰ REGISTRATION

10⁰⁰–10³⁰ OPENING CEREMONY

10³⁰–11⁰⁰ PUBLIC LECTURE
Molecular techniques and information technologies in modern agriculture
Acad., Prof., DUCA Maria, Moldova State University

11⁰⁰–11¹⁵ Coffee break

11¹⁵–13¹⁵ PLENARY SESSION

Chairs: DUCA Maria, ANDRONIC Larisa, GROPPA Stanislav

Conference Hall , Moldova State University, 55/4 Hancesti Str.

11¹⁵ –11³⁵ ***Microalgae - biotechnological producers in the pharmaceutical, food and cosmetic industries***

CALALB Tatiana, " Nicolae Testemitanu " State University of Medicine and Pharmacy, Chisinau, Republic of Moldova

11³⁵ –11⁵⁵ ***Enzyme immunoassay parameters in ischemic stroke in children***

SPRINCEAN Mariana, "Nicolae Testemitanu" State University of Medicine and Pharmacy, Chisinau, Republic of Moldova

11⁵⁵ – 12¹⁵ ***Use of endo- and exogenous factors in diversification of variability induced by in vitro culture***

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

12¹⁵ – 12³⁵ ***Technological stress and the quality of spirulina biomass***

CEPOI Liliana, Institute of Microbiology and Biotechnology, Chisinau, Republic of Moldova

12³⁵ – 12⁵⁵ ***Genetic research of cattle in the world and in the Republic of Moldova***

FOKSHA Valentin, Scientific-Practical Institute of Biotechnologies in Animal Husbandry and Veterinary Medicine, Anenii Noi, Republic of Moldova

12⁵⁵ – 13¹⁵ ***The immobilization and maintenance of new taxa of *Elaeagnus umbellata* THUNB.***

ROSCA Ion, "Al. Ciobotaru" National Botanical Garden (Institute), Chisinau, Republic of Moldova

13¹⁵ –14⁰⁰ Lunch break

14⁰⁰ –16³⁰ International webinar: ***Sunflower genetic resources for breeding: germplasm evaluation and conservation***

(CET) 18 Room, Moldova State University, 3/2 Academiei Str.

14⁰⁰ –17⁰⁰ THEMATIC SESSIONS

B. HUMAN AND MEDICAL GENETICS

Chairs: PALII Ina, SACARA Victoria

Conference Hall , Moldova State University, 55/4 Hancesti Str.

- 14⁰⁰ – 14²⁰ **SMA -present and the future**
CIOBANU Mariana, Vanderbilt University, USA
- 14²⁰ – 14⁴⁰ **Incidence rate of common hereditary neuromuscular diseases in the Republic of Moldova**
SACARA Victoria, IMSP Mother and Child Institute, Chisinau, Republic of Moldova
- 14⁴⁰ – 15⁰⁰ **SMA linked to unbalanced genomic changes: case report,**
COLBAN Iulia, IMSP Mother and Child Institute, Chisinau, Republic of Moldova
- 15⁰⁰ – 15²⁰ **Approach to neuromuscular disorders with suspected genetic component in USA**
ROVNER Alexander, Buffalo, USA
- 15²⁰ – 15⁴⁰ **Biological markers of ionizing radiation,**
GINCU Mariana, National Agency for Public Health, Chisinau, Republic of Moldova
- 15⁴⁰ – 16⁰⁰ **The utility of whole exome sequencing for genetic diagnosis in familial epilepsy**
GASNAS Daniela, " Nicolae Testemitanu " State University of Medicine and Pharmacy, Chisinau, Republic of Moldova
- 16⁰⁰ – 16²⁰ **BDNF genotype influence on the efficacy of rtms in after-stroke rehabilitation**
GASNAS Alexandru, " Nicolae Testemitanu " State University of Medicine and Pharmacy, Chisinau, Republic of Moldova
- 16²⁰ – 16⁴⁰ **Contribution of genetic testing in pediatric dilated cardiomyopathy**
STAMATI Adela, " Nicolae Testemitanu " State University of Medicine and Pharmacy, Chisinau, Republic of Moldova
- 16⁴⁰ – 17⁰⁰ **Discussions**

WEDNESDAY, June 16

10⁰⁰ – 12⁰⁰ THEMATIC SESSIONS

A. GENERAL AND MOLECULAR GENETICS

Chairs: LUPASCU Galina, COTENCO Eugenia

Conference Hall , Moldova State University, 55/4 Hancesti Str.

- 10⁰⁰ – 10²⁰ **Variability and heritability of quantitative traits in common wheat**
LUPASCU Galina, Institute of Genetics, Physiology and Plant Protection, Chisinau, Republic of Moldova
- 10²⁰ – 10⁴⁰ **Evaluation of toxigenic fungi content in maize seed material using real-time PCR**
GRAJDIERU Cristina, Institute of Genetics, Physiology and Plant Protection, Chisinau, Republic of Moldova

- 10⁴⁰ – 11⁰⁰ ***Detection of potentially mycotoxigenic fungi in grain***
MITINA Irina, Institute of Genetics, Physiology and Plant Protection, Chisinau, Republic of Moldova
- 11⁰⁰ – 11²⁰ ***Polyploidy in maize breeding for grain quality***
BATIRU Grigorii, State Agrarian University of Moldova, Chisinau, Republic of Moldova
- 11²⁰ – 11⁴⁰ ***Particularities of tomatoes reactions to heat, drought and mixed stress***
MARII Liliana, Institute of Genetics, Physiology and Plant Protection, Chisinau, Republic of Moldova
- 11⁴⁰ – 12⁰⁰ ***Analysis of the pollen under the conditions of abiotic and biotic stress factors***
SALTANOVICI Tatiana, Institute of Genetics, Physiology and Plant Protection, Chisinau, Republic of Moldova

B. HUMAN AND MEDICAL GENETICS

Chairs: PALII Ina, SACARA Victoria

18 Room, Moldova State University, 3/2 Academiei Str.

- 10⁰⁰ – 10²⁰ ***Inborn errors of metabolism- new challenge in pediatric genetics***
USURELU Natalia, IMSP Mother and Child Institute, Chisinau, Republic of Moldova
- 10²⁰ – 10⁴⁰ ***Congenital disorders of glycosylation: a booming chapter in pediatric genetics***
BLANITA Daniela, IMSP Mother and Child Institute, Chisinau, Republic of Moldova
- 10⁴⁰ – 11⁰⁰ ***Comparison of congenital anomalies in Moldova with EUROCAT register***
BARBOVA Natalia, IMSP Mother and Child Institute, Chisinau, Republic of Moldova
- 11⁰⁰ – 11²⁰ ***miRNA profile in patients with dystrophin -deficiency cardiomyopathy***
RODOMAN Iulia, IMSP Mother and Child Institute, Chisinau, Republic of Moldova
- 11²⁰ – 11⁴⁰ ***Precision medicine – the quest for evidence***
NENESCU Cornelia, ONCOGENE SRL, Chisinau, Republic of Moldova
- 11⁴⁰ – 12⁰⁰ **Discussions**

C. GENETICS AND PLANT BREEDING

Chairs: MUSTEATA Semion, SMEREA Svetlana

22 Room, Moldova State University, 3/2 Academiei Str.

- 10⁰⁰ – 10²⁰ ***Morphological markers in the selection of sunflower lines***
MEDVEDEVA Natalya, "V.S. Pustovoit" All-Russian Research Institute of Oil Crops, Krasnodar, Russian Federation

- 10²⁰ – 10⁴⁰ ***Grapevine genetic resources as breeding components in improving the assortment***
SAVIN Gheorghe, Scientific and Practical Institute for Horticulture and Food Technologies, Chisinau, Republic of Moldova
- 10⁴⁰ – 11⁰⁰ ***Current problems in vegetable seeds production improving and organizing***
BOTNARI Vasile, Institute of Genetics, Physiology and Plant Protection, Chisinau, Republic of Moldova
- 11⁰⁰ – 11²⁰ ***Use of the biological material in the selection processes and creation of inbred lines of early maize***
BOROZAN Pantelimon, Institute of Crop Science "Porumbeni", Criuleni, Republic of Moldova
- 11²⁰ – 11⁴⁰ ***Inheritance of drought tolerance in maize backcross generations***, MIKHAILOV Mihail, Institute of Genetics, Physiology and Plant Protection, Chisinau, Republic of Moldova
- 11⁴⁰ – 12⁰⁰ ***Improvement, selection and testing of new forms of *O. basilicum* var. *chinnamonum* with spicy properties***
CHISNICEAN Lilia, Institute of Genetics, Physiology and Plant Protection, Chisinau, Republic of Moldova

D. GENETICS AND ANIMAL BREEDING

Chairs: MASNER Oleg, MARTEA Rodica

10 Room, Moldova State University, 3/2 Academiei Str.

- 10⁰⁰ – 10²⁰ ***Current state of the genetic fund of farm animals in the Republic of Moldova, basic directions in research – breeding***
MASNER Oleg, Scientific-Practical Institute of Biotechnologies in Animal Husbandry and Veterinary Medicine, Anenii Noi, Republic of Moldova
- 10²⁰ – 10⁴⁰ ***Population genetic analysis of silkworm breeds based on isoenzyme markers***,
STAYKOVA Teodora, Plovdiv University "Paisii Hilendarski", Bulgaria
- 10⁴⁰ – 11⁰⁰ ***The impact of the anthropogenic factor on the evolution of rats***
CORLATEANU Alexandr, Moldova State University, Chisinau, Republic of Moldova
- 11⁰⁰ – 11²⁰ ***New achievement in cryopreservation of genetic resources in cattle***
GRANACI Vera, Scientific-Practical Institute of Biotechnologies in Animal Husbandry and Veterinary Medicine, Anenii Noi, Republic of Moldova
- 11²⁰ – 11⁴⁰ ***Testing of karakul breeding rams according to the quality of the descendants***
EVTODIENCO Silvia, Scientific-Practical Institute of Biotechnologies in Animal Husbandry and Veterinary Medicine, Anenii Noi, Republic of Moldova
- 11⁴⁰ – 12⁰⁰ **Discussions**

E. PLANT, ANIMAL AND MICROBIAL BIOTECHNOLOGY

Chairs: VOLOSCIUC Leonid, CEPOI Liliana,

11 Room, Moldova State University, 55/4 Hancesti Str.

- 10⁰⁰ – 10²⁰ ***Approval of biological preparations - result of biotechnological research in plant protection***
VOLOSCIUC Leonid, Institute of Genetics, Physiology and Plant Protection, Chisinau, Republic of Moldova
- 10²⁰ – 10⁴⁰ ***Biologically active protein preparation based on yeast biomass from the waste of the beer industry***
CHISELITA Oleg, Institute of Microbiology and Biotechnology, Chisinau, Republic of Moldova
- 10⁴⁰ – 11⁰⁰ ***Conservation and valorization of microbial biodiversity as support for the development of technologies and sustainable agriculture***
SIRBU Tamara, BIRSA Maxim, Institute of Microbiology and Biotechnology, Chisinau, Republic of Moldova
- 11⁰⁰ – 11²⁰ ***Nanoparticles in phycobiotechnology***
RUDI Ludmila, Institute of Microbiology and Biotechnology, Chisinau, Republic of Moldova
- 11²⁰ – 11⁴⁰ ***Processes for stimulating the content of secondary metabolites accumulated in R. rosea biomass obtained in vitro and in vivo conditions***
CALUGARU-SPATARU Tatiana, Institute of Genetics, Physiology and Plant Protection, Chisinau, Republic of Moldova
- 11⁴⁰ – 12⁰⁰ ***Methods for oriented synthesis of exocellular amylases using fungal strain Aspergillus niger CNMN FD 06***
CONDRUC Viorica, Institute of Microbiology and Biotechnology, Republic of Moldova
- 12⁰⁰ – 12²⁰ ***Colchicine effects on two varieties of Ocimum basilicum L.***
MOROȘAN Ioana Claudia, "Alexandru Ioan Cuza" University of Iasi, Iasi, Romania

12²⁰ – 13⁰⁰ Lunch break

13⁰⁰ – 15⁰⁰ **CONCLUSIONS. CLOSING SESSION OF THE CONGRESS**
DUCA Maria, GROPPA Stanislav, COTENCO Eugenia, PORT Angela

- 13⁰⁰ – 13³⁰ **Congress conclusions on thematic sessions**
- 13³⁰ – 14⁰⁰ **Final decision of the Congress**
- 14⁰⁰ – 14³⁰ **Report on the activity of the SAGBRM**
- 14³⁰ – 15⁰⁰ **Election of the new leadership of the SAGBRM**

PARTICIPANTS

COUNTRY

- Bulgaria
- China
- Italy
- Netherlands
- Republic of Belarus
- Republic of Moldova
- Romania
- Russia
- Serbia
- Slovak Republic
- Turkey
- Ukraine
- United Kingdom
- United States of America

THE UNIVERSITIES

- Agricultural University, Plovdiv, Bulgaria
- "Al. I. Cuza" University of Iasi, Faculty of Biology, Iasi, Romania
- Belarusian State Medical University, Minsk, Republic of Belarus
- "Dunarea de Jos" University of Galati, Romania
- Inner Mongolia Agricultural University, Hohhot, China
- Moldova State University, Republic of Moldova
- "N. Testemitanu" State University of Medicine and Pharmacy, R. of Moldova
- Odessa State Agrarian University, Ukraine
- "P. Hilendarski" Plovdiv University, Bulgaria
- Slovak University of Agriculture in Nitra, Slovak Republic
- State Agrarian University of Moldova, Republic of Moldova
- Vanderbilt University, Nashville, Tennessee, United States of America

PRIVATE COMPANIES

- AMG - Agroselect Comert SRL, Soroca, Republic of Moldova
- ONCOGENE LLC, Chisinau, Republic of Moldova
- Society of limited liability „Doksancom” v. Tomay, ATU Gagauzia, Republic of Moldova

THE RESEARCH INSTITUTES

- Academy of Agrarian Sciences of Ukraine, Kharkiv, Ukraine
- Agricultural Research Development Station Braila, Romania
- Agricultural Technology Extension Service Center, Beijing, China
- "Al. Ciobotaru" National Botanical Garden (Institute), Republic of Moldova
- Centre for Public Health, Iasi, Romania
- Conservation and Biosafety, Slovak Republic
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- Institute of Oncology, Republic of Moldova
- Institute of Physiology and Sanocreatology, Republic of Moldova
- Institute of Zoology, Republic of Moldova
- Moldova State University, Republic of Moldova
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- Municipal Scientific and Practical Institute of Mother and Child, Republic of Moldova
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- Transnistrian Research Institute of Agriculture, Tiraspol, Republic of Moldova
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