



*Scientific Association of Geneticists and Breeders of the Republic of Moldova (SAGBRM)*  
*Institute of Genetics, Physiology and Plant Protection (IGPPP)*  
*Center of Functional Genetics, Moldova State University (CFG, MSU)*  
*Moldovan Research and Development Association (MRDA)*

# **XI<sup>th</sup> International Congress of Geneticists and Breeders from the Republic of Moldova**

## **ABSTRACT BOOK**

June 15-16, 2021  
Chisinau, Republic of Moldova

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**TUESDAY - June 15, 2021**

- 9<sup>30</sup> - 10<sup>00</sup> Registration**  
**10<sup>00</sup> - 10<sup>30</sup> Opening Ceremony**  
**10<sup>30</sup> - 11<sup>00</sup> *Public lecture* presented in the cycle of Academic Lectures**  
**"MOLECULAR TECHNIQUES AND INFORMATION TECHNOLOGIES IN MODERN AGRICULTURE"**  
Acad., Prof., Maria DUCA, Moldova State University  
**11<sup>00</sup> - 11<sup>15</sup> *Coffee Break***  
**11<sup>15</sup> - 13<sup>00</sup> Plenary Session**  
**13<sup>00</sup> - 14<sup>00</sup> *Lunch Break***  
**14<sup>00</sup> - 17<sup>00</sup> Thematic Sessions**  
**15<sup>00</sup> - 17<sup>30</sup> *International Webinar***  
**"SUNFLOWER GENETIC RESOURCES FOR BREEDING: GERMPLASM EVALUATION AND CONSERVATION"**  
organized under the auspices of *International Sunflower Association (ISA), France*

**WEDNESDAY - June 16, 2021**

- 10<sup>00</sup> - 12<sup>00</sup> Thematic Sessions**  
**12<sup>00</sup> - 13<sup>00</sup> *Lunch Break***  
**13<sup>00</sup> - 13<sup>30</sup> Congress conclusions on Thematic Sessions**  
**13<sup>30</sup> - 14<sup>00</sup> Final decision of the Congress**  
**14<sup>00</sup> - 14<sup>30</sup> Report on the activity of the SAGBRM**  
**14<sup>30</sup> - 15<sup>00</sup> Election of the leadership of the SAGBRM**

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# GENERAL AND MOLECULAR GENETICS



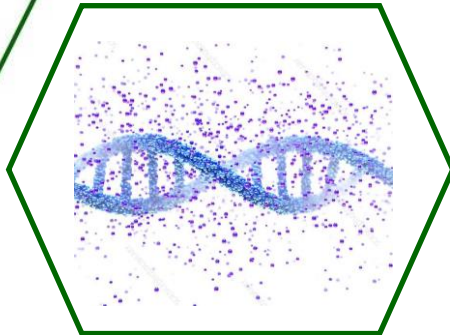
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## BREEDING OF CLIMATE-SMART CROPS AT IFVCNS

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In recent years, overcoming the negative impact of climate change on the productivity of cultivated plants and the creation of tolerant genotypes have become one of the strategic goals in agriculture. In that context, IFVCNS breeding teams work intensely on finding innovative solutions to the main problems and challenges facing science and agriculture in the 21st century - climate change, environmental protection and sustainable crop production.

In climate-smart crop breeding programmes IFVCNS researchers use innovative and high-throughput solutions for the exploitation of the existing and creation of the new genetic variability of field crops, creation of superior genotypes and transfer and implementation of new knowledge and technologies.

In period 2016-2020 researchers involved in climate-smart crops programmes created 23 technical solutions, and released 9 commercial varieties at the international level and 14 varieties at the national level. They have also registered 129 varieties at the international level and 75 varieties at the national level.

Results of IFVCNS researchers related to the creation of different genotypes adapted to environmental conditions and tolerant to stress caused by climate change, confirm the capability of IFVCNS research team to achieve objectives of the Horizon Europe program and the European Green Deal strategy.