



**National Academy of Agrarian Sciences of Ukraine
Institute of Climate-Smart Agriculture of the NAAS
Vavilov Society of Geneticists and Breeders of Ukraine**

**Dear Colleagues,
We are pleased to invite you to participate in the**

1st International Scientific and Practical Conference

MOLECULAR GENETICS, BREEDING, AND BIOTECHNOLOGY OF CROPS: ACHIEVEMENTS AND CHALLENGES

December 12, 2024

This event will present new opportunities for fostering partnerships between agribusinesses, researchers, and the private sector.

Conference participants will gain insights into the current state of Ukraine's agricultural sector and learn about advanced institutions' practices for applying modern technologies and innovations in molecular genetics, biotechnology, and artificial intelligence.

The 1st International Scientific and Practical Conference "Molecular Genetics, Breeding, and Biotechnology of Crops: Achievements and Challenges" will address the following critical topics:

1. Genomics and Genetic Diversity of Plants
2. Marker-Assisted Selection of Agricultural Crops
3. Biotechnologies for Enhancing Crop Productivity, Stress Resistance, and Climate Adaptability
4. Application of Bioinformatics and Neural Networks (Artificial Intelligence) as Tools in Agriculture
5. Molecular Diagnostics and Identification of Plant Pathogens

WORKING LANGUAGES OF THE CONFERENCE: Ukrainian and English.

Conference Format – Online (beginning at 10:00 a.m.):

Online platform: ZOOM

Meeting ID: 703 705 9700, Code: i1LmSG

Link:

<https://us05web.zoom.us/j/7037059700?pwd=DQH0jMB3y8uC0XfILBi8ST2ObBaunF.1>

Conference Coordinators:

Nataliia Volkova, Tel.: +380963620729

Tetiana Marchenko, Tel.: +38 095 93 53 554

Olena Piliarska, Tel.: +38 0997779934

To participate in the conference, please complete the registration form and send your materials, formatted according to the specified guidelines, to the following email: izz.biblio@ukr.net

Participation in the conference is free of charge. Conference proceedings will be compiled and published.

REGISTRATION FORM

**For participation in the International Scientific and Practical Conference
"MOLECULAR GENETICS, BREEDING, AND BIOTECHNOLOGY OF CROPS:
ACHIEVEMENTS AND CHALLENGES"**

Full Name	
Full Name (in English)	
Academic Degree	
Academic Title	
Position	
Place of Employment	
Contact Phone Number	
Email Address	
Title of Presentation	
Conference Topic Number and Title	
Form of Participation (presentation and publication of materials / publication of materials only)	
Presenter's Full Name	

Application and abstract submission deadline: December 6, 2024, inclusive.

**Files should be named as follows (first author's surname and conference topic number):
Marchenko_materials_3, Marchenko_registration_3.**

MATERIALS REQUIREMENTS:

Text Format: A4, Microsoft Word (*.doc, *.docx)

Margins: Left, top, bottom, right – 2 cm

Font: Times New Roman, 14 pt, single spacing, paragraph indent 1.25

Length: Up to 3 pages

STRUCTURE OF MATERIALS:

- **Title of Article** (uppercase, bold, center-aligned)
- **Author's Full Name(s)** (lowercase, bold, center-aligned)
- **Academic Degree, Academic Title** (center-aligned)
- **Place of Employment** (center-aligned)
- **Main Text** (font size 14, single spacing, paragraph indent 1.25 cm, justified alignment)

References: Listed at the end in the order of appearance, under the heading "References," formatted according to DSTU 8302:2015. In-text citations should be in square brackets, e.g., [5].

Figures and Tables:

- Figures should be labeled "Fig. 1. Figure Title" and numbered sequentially in Arabic numerals, with labels centered below each figure in bold italics. Figures should be separated from text by blank lines above and below, with all figures referenced in the text (e.g., Fig. 1).

- Tables should be labeled "Table 1" and numbered sequentially in Arabic numerals, with labels aligned right and table titles centered in bold font on the next line. The font in tables and figures should be no less than 12 pt. Blank lines should separate tables from the text above and below, with all tables referenced in the text (e.g., Table 1).

EXAMPLE OF MATERIALS FORMAT

The Influence of Explant Type and Variety of *Linum usitatissimum* L. convar. *elongatum* on the Intensity of Callus and Organogenesis under *in vitro* Conditions

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Institute of Climate-Smart Agriculture of the NAAS, Odesa

Institute of Bast Crops of the NAAS, Hlukhiv

Plants of all studied varieties are capable of effective callus and organogenesis under *in vitro* conditions in the presence of exogenous phytohormones [1]

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References:

1. Mishchenko S. V., Kryvosheeva L. M., Lavrynenko Y. O., Marchenko T. Y. Influence of explant type and variety of *Linum usitatissimum* L. convar. *elongatum* on the intensity of callus formation and organogenesis *in vitro*. *Plant Varieties Studying and Protection*. 2023. Vol. 19, No 3. P. 195–201. DOI: 10.21498/2518-1017.19.3.2023.287644