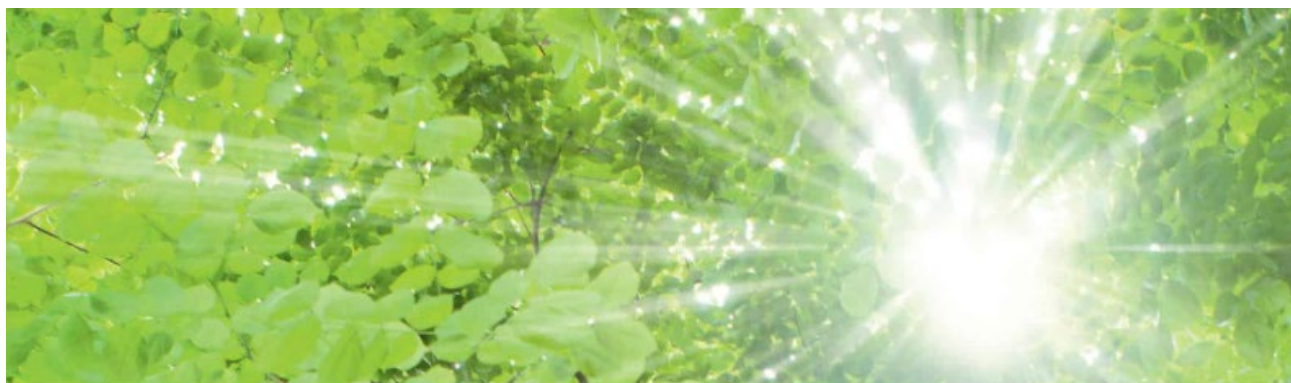


Second Information Letter

VI Conference of Young Scientists “Plant Biology and Biotechnology”,
organized within the framework of the VIII International Fascination of Plants Day,
will be held on 18-19 May 2026 at the Institute of Food Biotechnology and Genomics of the NAS of
Ukraine (2a Baidy-Vyshnevetskoho St., Kyiv, Ukraine).



Fascination of
Plants Day
May 18th 2026



The conference will be held **in a hybrid format (online and offline)**

Conference link

<https://us06web.zoom.us/j/81882295421?pwd=2PelCWbCu3SxZUvBaWan9htPk2KIr>
[o.1](#)

Conference ID: 818 8229 5421

Passcode: 266059

The opening of the conference is scheduled for 11:00 (Kyiv time, GMT +3). Presentations will be listened according to the conference programme provided below in this letter. The approximate duration of each presentation is 10-15 minutes.

Please note that the oral presentations of young scientists will be evaluated by a special conference committee, which will **determine the winners and award first, second and third places**. In addition to certificates, the winners will receive gifts from the Institute.

Offline speakers are kindly requested to pay the **organizational fee of 100 UAH by 15 May inclusive** (for the coffee break, notebook, pen and badge) to the **PrivatBank** card 4149 6090 5166 4540 (**Anastasiia Buziashvili**), and to send the payment receipt to plantbiotech2024@ukr.net.

Programme of the VI Conference of Young Scientists “Plant Biology and Biotechnology”

18 MAY, MONDAY

10:30-11:00 – registration of offline conference participants and connection of online participants.

11:00-11:10 – ceremonial opening of the conference. Introductory remarks by the Director of the Institute of Food Biotechnology and Genomics of the NAS of Ukraine, Academician of the NAS of Ukraine Yaroslav Borysovykh Blume.

11:10-13:35	Meeting of the section “PLANT BIOTECHNOLOGY AND NANOBIOTECHNOLOGY”
11:10-11:50	Plenary lecture: Corresponding Member of the NAS of Ukraine, Prof., D.Sci. <u>A.I. Yemets</u> BIOGENIC QUANTUM DOTS FOR CELL BIOLOGY STUDIES
11:50-12:05	<u>Buziashvili A.Yu.</u> , Tilnenko Ye.P., Prylutska S.V., Yemets A.I. EFFECT OF SEED PRIMING WITH GRAPHENE OXIDE AND Fe-CONTAINING NANOPARTICLES ON <i>LACTUCA SATIVA</i> PLANT DEVELOPMENT
12:05-12:20	<u>Denysenko S.R.</u> , Borova M.M., Yemets A.I. ANTIBACTERIAL ACTIVITY OF COPPER NANOPARTICLES OBTAINED BY “GREEN” SYNTHESIS USING <i>BACILLUS SUBTILIS</i>
12:20-12:35	<u>Palladin M.</u> , Krupodorova T., Zaichenko T., Yemets A. DEVELOPMENT OF METHODS FOR EFFICIENT CULTIVATION OF MACROMYCETE MYCELIUM AS A SOURCE FOR OBTAINING EXOSOME-LIKE NANOVESICLES
12:35-12:50	<u>Bliznichenko A.I.</u> , Petrina R.O. PHOTOCHEMICAL ANALYSIS OF <i>ECHINACEA PURPUREA</i> EXTRACTS
12:50-13:05	<u>Pochka O.V.</u> , Koldar L.A. FEATURES OF OBTAINING ASEPTIC CULTURE OF PRIMARY EXPLANTS OF PRUNUS SERRULATA ‘KIKU-SHIDARE’ UNDER IN VITRO CONDITIONS
13:05-13:20	<u>Chekysheva T.V.</u> , Kliuvadenko A.A., Koltysheva D.S. COMPARATIVE ANALYSIS OF THE EFFICIENCY OF MYCORRHIZAL BIOPREPARATIONS FOR HAZELNUT (<i>CORYLUS AVELLANA</i> L.) ADAPTATION AT THE <i>EX VITRO</i> STAGE
13:20-13:35	<u>Volodavchyk V.E.</u> , Kvasko A.Yu., Yemets A.I. <i>AGROBACTERIUM</i> -MEDIATED TRANSFORMATION OF <i>RAPHANUS SATIVUS</i> L. WITH THE YEAST TREHALOSE BIOSYNTHESIS GENE <i>TPS2</i>

13:35-13:50 – Coffee break

13:50-15:45	Meeting of the section “MOLECULAR AND CELL BIOLOGY”
13:50-14:30	Plenary lecture: D.Sc. <u>N.O. Kozub</u> GLUTEN PROTEINS AS TRIGGERS OF DISEASES AND DEVELOPMENT OF HYPOALLERGENIC WHEAT
14:30-15:00	<u>Khablak S.H.</u> , Spychak V.M., Abdullaieva Ya.A. MODEL OF CYTOKININ HOMEOSTASIS REGULATION IN <i>TRITICUM AESTIVUM</i> : THE ROLE OF CKX AND THE POTENTIAL OF PHARMACOLOGICAL MODULATION
15:00-15:15	<u>Kustovskiy Ye.O.</u> , Yemets A.I. SEARCH FOR THE C ₆₀ FULLERENE BINDING SITE ON <i>A. THALIANA</i> TUBULIN
15:15-15:30	<u>Stykhylas M.M.</u> , Raievskiy O.V., Blume Ya.B. PHYLOGENETIC ANALYSIS OF CDS SEQUENCES OF HISTONE DEACETYLASES IN <i>ARABIDOPSIS THALIANA</i> .
15:30-15:45	<u>Pidkurhanna O.H.</u> , Andriash H.S., Tigonova O.O. REDUCING THE TOXICITY OF THE CRISPR/CAS9 SYSTEM UNDER MULTISITE TARGETING OF δ -ELEMENTS IN THE <i>SACCHAROMYCES CEREVISIAE</i> GENOME

15:45-16:00 – Coffee break

16:00-17:00	Meeting of the section “STRUCTURAL AND FUNCTIONAL GENOMICS”
16:00-16:15	Blume R.Ya. , Pirko Ya.V. EFFECT OF ALLOPOLYPLOIDIZATION ON THE DIVERGENCE OF TUBULIN GENES IN CRUCIFERS
16:15-16:30	Sozinova O.I. , Blume Ya.B. APPLICATION OF MOLECULAR MARKERS FOR THE SELECTION OF WHEAT GENOTYPES WITH AN EXTRA-SOFT GRAIN TRAIT
16:30-16:45	Hrek T. , Tynkevych Yu. GENETIC STRUCTURE OF <i>IMPATIENS PARVIFLORA</i> POPULATIONS BASED ON 5S rDNA ANALYSIS
16:45-17:00	Shut T.S. , Novozhylov D.O., Mykhailova D.M., Klymovets Yu.A., Krupodorova T.A., Blume R.Ya., Pirko Ya.V. INTRON LENGTH POLYMORPHISM OF β -TUBULIN GENES IN REPRESENTATIVES OF THE GENUS <i>PLEUROTUS</i> (Fr.) P. Kumm.

19 MAY, TUESDAY

11:00-15:45	Joint meeting of the sections “MICROBIOLOGICAL BIOTECHNOLOGY” and “PLANT RESOURCES FOR BIOFUEL”
11:00-11:40	Plenary lecture: D.Sci., Leading Researcher T.A. Krupodorova MACROMYCETES IN TECHNOLOGIES FOR COMPLEX PROCESSING OF LIGNOCELLULOSE RAW MATERIALS FOR BIOFUEL PRODUCTION
11:40-12:30	Plenary lecture: D.Sci., Senior Researcher O.O. Tigunova ANALYSIS OF THE MICROBIOME OF SOILS DAMAGED AS A RESULT OF MILITARY ACTIONS
12:30-12:45	Ivanova T.O. , Samarin V.O., Vovk Ye.A., Kulichkova H.I. APPLICATION OF ARTIFICIAL INTELLIGENCE IN BIOENERGETICS
12:45-13:00	Samarin V.O. , Tsyhankov S.P. VHGF FERMENTATION OF GRAIN SORGHUM FOR ETHANOL PRODUCTION
13:00-13:15	Tkachenko A.V. , Lytvynenko Yu.I., Krupodorova T.A. CULTURAL, MORPHOLOGICAL CHARACTERISTICS AND ANTAGONISTIC ACTIVITY OF <i>SORDARIA FIMICOLA</i> IN CULTURE
13:15-13:30	Voichyshyn I.V. , Andriichuk M.D. COMPARATIVE ANALYSIS OF MICROORGANISM GROWTH MODELS AND ENZYMATIC KINETICS IN BIOTECHNOLOGICAL SYSTEMS
13:30-13:45	Bakhlukov D.O. , Krupodorova T.A. PHYSICOCHEMICAL PROPERTIES OF SUBSTRATES IN THE CULTIVATION OF WOOD-DECAYING FUNGI
	CLOSING OF THE CONFERENCE