FIBOK 2026

Poster section

7th National Conference of Young Biotechnologists

February 5-6, 2026.

Szeged

Animal biotechnology

Farr Hannah MONCOON (Hungarian University of Agriculture and Life Sciences)
THE DIFFERENCE IN AMINO ACID COMPOSITION OF AFRICAN CATFISH (CLARIAS GARIEPINUS) FED BLACK SOLDIER FLY LARVAE (AN#P1)

Plant- and food biotechnology

Mir Imtiyaz AHMAD (Hungarian University of Agriculture and Life Sciences)
DETECTION AND MOLECULAR CHARACTERIZATION OF *ORYZA SATIVA* ENDORNAVIRUS IN RICE CULTIVARS COLLECTED FROM SZARVAS, HUNGARY (PF#P1)

Alaa AL JARF (Hungarian University of Agriculture and Life Sciences)
CHARACTERISATION THE PROMOTER REGION OF SP6A RESPONSIBLE FOR REGULATING TUBERIZATION IN THE POTATO CULTIVAR 'DÉSIRÉE' (PF#P2)

Namira Nur ARFA (HUN-REN Biological Research Centre)
IMPROVING THE EFFICIENCY OF OLIGONUCLEOTIDE DELIVERY IN MAIZE VIA PEG-MEDIATED TRANSFORMATION AND LAYERED DOUBLE HYDROXYDE (LDH) NANOSHEET (PF#P3)

Ali Amir ASAAD (Hungarian University of Agriculture and Life Sciences)
EVALUATING REGENERATIVE PERFORMANCE AND BIOACTIVE COMPOUND VARIATION IN SWEET BASIL THROUGH MICROPROPAGATION (PF#P4)

Brandon CUSME (Hungarian University of Agriculture and Life Sciences)
INVESTIGATING THE ROLE OF WAT-1 AND OSML-15 IN THE DISEASE RESPONSE OF POTATO TO RALSTONIA SOLANACEARUM INFECTION (PF#P5)

Krisztián Sándor JÁSZ (University of Szeged)
EXAMINATION OF HEAT-INDUCED FERROPTOTIC CELL DEATH (PF#P6)

Roy KIAMBI (Hungarian University of Agriculture and Life Sciences)
INVASIVE PLANT, INVISIBLE COMPANIONS: THE SECRET VIROME OF *ASCLEPIAS SYRIACA* (PF#P7)

Akhil KUMAR (Hungarian University of Agriculture and Life Sciences)
DISSECTING THE ROLE OF WRKY AND MAPK KINASE FAMILY MEMBERS IN RESISTANCE BREEDING TO RALSTONIA SOLANACEARUM INFECTION IN POTATO (PF#P8)

Sumithlal KUNNUNMAL (HUN-REN Biological Research Centre)
UNRAVELING ASCORBATE TRANSPORT IN CHLOROPLASTS: INVESTIGATING THE ROLE OF PHT4;2 TRANSPORTER (PF#P9)

Tetiana KYRPA (HUN-REN Centre for Agricultural Research)
GENOME EDITING OF THE CML30-TYPE AND THE EFFECT OF ITS KNOCKOUT ON THE ANTHOCYANINS SPECTRUM IN POTATOES (PF#P10)

Noémi LACZKÓ (HUN-REN Biological Research Centre)
PGPR ISOLATED FROM THE ROOT ZONE OF HALOPHYTIC PLANT PETROSIMONIA TRIANDRA ENHANCE SALT TOLERANCE IN OTHER PLANT SPECIES (PF#P11)

Lívia LÁSZLÓ (Hungarian University of Agriculture and Life Sciences)
ARBUSCULAR MYCORRHIZAL INOCULATION AND SUSCEPTIBILITY OF TOMATO TO *A. ALTERNATA*, *S. SCLEROTIORUM* OR *E. NEOLYCOPERSICI* (PF#P12)

Nikolett LÁSZLÓ (HUN-REN Biological Research Centre)
IMPROVING CATIONIC POLYMER–BASED DNA DELIVERY IN MAIZE PROTOPLASTS (PF#P13)

Brian Josue LEMUS (Hungarian University of Agriculture and Life Sciences)
ASSESSMENT OF ESSENTIAL COMPOUNDS IN IN VITRO MICROPROPAGATED ORIGANUM PLANTS (PF#P14)

Bánk PÁPAI (Hungarian University of Agriculture and Life Sciences)
GIBBERELLIN-OXIDASE GENE EXPRESSION AND ITS ASSOCIATION WITH STEM ELONGATION IN TTI (TORTUOUS INTERNODII) MUTANT PEPPER (PF#P15)

Rebeka PAPP (University of Szeged)
INVESTIGATION OF TOXICITY AND APLICABILITY OF TWO *SOLANUM LYCOPERSICUM* L.-DERIVED DEFENSINS (PF#P16)

Sahilu Ahmad RABILU (HUN-REN Biological Research Centre)
SMALL PARAQUAT RESISTANCE (SPQ) PROTEIN REGULATES ABIOTIC STRESS RESPONSES IN ARABIDOPSIS (PF#P17)

Ana RESTREPO (Hungarian University of Agriculture and Life Sciences)
PURPLE VS. GREEN CAPSICUM ANNUUM LEAVES RESPONSE TO ALTERNARIA ALTERNATA IN DETACHED LEAF ASSAY (PF#P18)

Andrea Tímea TÓTH (Hungarian University of Agriculture and Life Sciences)
OPEN-FIELD TRIALS OF MYCORRHIZAL AND BACTERIAL INOCULATION ON YIELD AND SOIL PARAMETERS IN SUNFLOWER PRODUCTION IN DIFFERENT SOIL TYPES (PF#P19)

Szabolcs Péter TÖRÖK (HUN-REN Biological Research Centre)
INTRODUCTION OF TRANSFORMING VECTOR AND MUTAGENIC SYNTHETIC OLIGONUCLEOTIDES INTO MAIZE APICAL MERISTEMS (PF#P20)

Kristóf UTASSY (Hungarian University of Agriculture and Life Sciences)
GRAPEVINE-ASSOCIATED BACTERIA AND YEASTS IN CONTRASTING VINEYARD SYSTEMS (PF#P21)

Microbial biotechnology

Dániel HERCEGFALVI (University of Szeged)
INVESTIGATION OF THE SURFACTIN PRODUCTION OF A *BACILLUS LICHENIFORMIS* STRAIN (MI#P1)

Henriett HUNKÁR (University of Szeged)
SOLVENT-BASED SEPARATION OF TRICHODERMA PEPTAIBIOTICS (MI#P2)

Richárd MERBER (University of Szeged)
COMPARATIVE RESISTANCE DEVELOPMENT OF *CANDIDOZYMA AURIS* TO AN ANTIFUNGAL PROTEIN (NFAP2), ANIDULAFUNGIN, AND AMPHOTERICIN B (MI#P3)

Nomuun OYUNBAT (University of Szeged)
IDENTIFICATION OF NEW PEPTAIBIOTIC SEQUENCES FROM TRICHODERMA VELUTINUM ISOLATES (MI#P4)

Viktor SZENTPÉTERI (Hungarian University of Agriculture and Life Sciences)
ISOLATION OF BENEFICIAL MICROBIAL STRAINS FROM DROUGHT-AFFECTED REGIONS OF HUNGARY (MI#P5)

Bettina SZERENCSÉS (University of Szeged)
ANTAGONISTIC EFFECT OF *CANDIDA ZEYLANOIDES* SZMC 26644 AGAINST PLANT PATHOGENIC MICROORGANISMS (MI#P6)

Kitti TARI (University of Szeged)
ALTERATION OF THE FUNGAL ENDOPHYTE SECRETOME INDUCED BY SODIUM BUTYRATE (MI#P7)