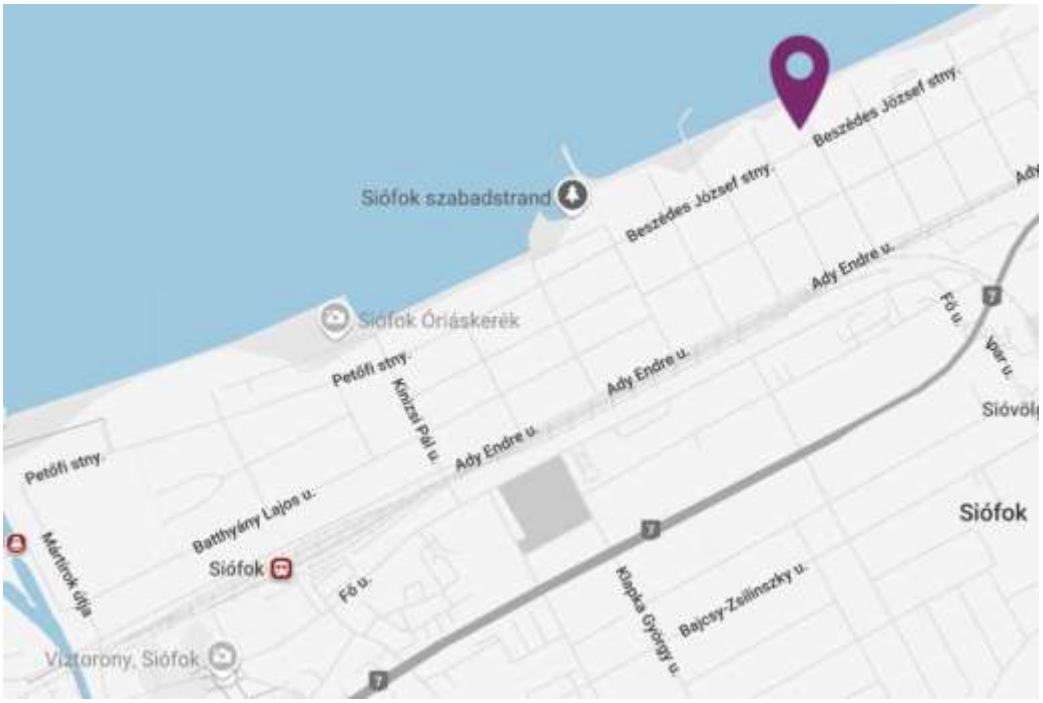
PROGRAMME

of the

7th Central European Forum for Microbiology

Hotel Panoráma
Siófok, Hungary
October 6-8, 2025



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PROGRAMME

of the

7th Central European Forum for Microbiology

hosted by the

Hungarian Society for Microbiology

Organized by

the
Hungarian Society for Microbiology,
the
Croatian Microbiological Society,
the
Slovenian Microbiological Society
and the
Foundation of the Hungarian Society for Microbiology

Hotel Panoráma
Siófok, Hungary
October 6-8, 2025

Programme at a glance

Monday, October 6th

Conference Hall I.

13:00 – 13:20	Opening Ceremony
13:20 – 13:50	Honorary Member's lecture
14:00 – 15:30	Plenary Session Current trends - Biogeochemical cycles and the Anthropocene
16:00 – 16:15	Environmental Microbiology and Biotechnology – Session I.
from 18:30 on	Poster&Wine Evening

Conference Hall II.

16:30 – 17:55	Plant Virology Session

Tuesday, October 7th

Conference Hall I.

9:00 – 11:35	Bacteriology & Clinical and Diagnostic Microbiology Session
13:00 – 14:30	Virology– Session I.
15:00 – 16:30	Virology– Session II.
17:00 – 18:40	Mycology & Industrial Microbiology– Session II.
19:00	*Conference Dinner*

Programme at a glance

Tuesday, October 7th

Conference Hall II.

9:00 – 10:15	Environmental Microbiology and Biotechnology – Session II.
10:45 – 12:15	Agricultural and Food Microbiology– Session I.
13:30 – 15:10	Mycology & Industrial Microbiology– Session I.
16:00 – 17:40	Agricultural and Food Microbiology– Session II.
19:00	*Conference Dinner*

Wednesday, October 8th

Conference Hall I.

9:30 – 11:15	Virology– Session III.
11:15 – 11:30	*Closing remarks*

Conference Hall II.

9:30 – 11:00	Agricultural and Food Microbiology– Session III.
11:15 – 11:30	*Closing remarks* in Conference Hall I.

Monday, October 6th

Conference Hall

13.00-13.20 Opening Ceremony

Welcome Addresses ofthe Organizers

Ceremony on Honorary Membership

13:20 - 13:50

IMPACTS OF MICROPLASTIC POLLUTION ON SOIL AND RHIZOSPHERE MICROBIOTA

Tillmann **Lueders**[1]

1# Chair of Ecological Microbiology, Bayreuth Center of Ecology and Environmental Research (BayCEER), University of Bayreuth, Germany

Plenary Session

Current trends - Biogeochemical cycles and the Anthropocene

Chairpersons: Tillmann Lueders and András Táncsics

14:00 - 14:30

RECENT ADVANCES IN OXYGENIC DENITRIFICATION: POTENTIAL MECHANISMS AND ENVIRONMENTAL RELAVANCE

Baoli Zhu[1], Yi Liu[2], Yanfan Liu[2], Dongliang Yao[2], Linrong Han[2], Hongling Qin[2]

1# Chinese Academy of Sciences, Changsha, China; 2# Institute of Subtropical Agriculture, Chinese Academy of Sciences

14:30 - 15:00

THE TREE PHYLLOSPHERE MICROBIOME: AN OVERLOOKED AND IMPORTANT SINK FOR CARBON MONOXIDE?

Sinchan Banerjee[1], Tudor Stafioiu[1], Edina Prondvai[1], Daniel Gomez-Perez[2], Chris Quince[2], Gary Bending[1], James A. Covington[3], Hendrik Schäfer[1]

1# School of Life Sciences, University of Warwick, Coventry, United Kingdom, 2# Earlham Institute, Norwich Research Park, Colney Lane, Norwich, UK, 3# School of Engineering, University of Warwick, Coventry, UK

15:00 - 15:30

MAPPING THE MICROBIAL DARK MATTER – RELEVANCE OF *PATESCIBATERIA* IN PETROLEUM HYDROCARBON CONTAMINATED AQUIFERS

[1]András **Táncsics**, [1]Erzsébet Baka, [1]Renáta Ábrahám, [2,3]Indra Banas [2,3]A. Rodrigues-Soares [2,3,4]A.J. Probst, [5]Balázs Kriszt

1Department of Molecular Ecology, Hungarian University of Agriculture and Life Sciences, Institute of Aquaculture and Environmental Safety, Gödöllő-2100, Páter K. street 1., Hungary 2Environmental Metagenomics, Research Center One Health Ruhr of the University Alliance Ruhr, Faculty of Chemistry, University of Duisburg-Essen, Germany 3Centre of Water and Environmental Research (ZWU), University of Duisburg-Essen, Essen, Germany 4Center of Medical Biotechnology (ZMB), University of Duisburg-Essen, Essen, Germany 5Department of Environmental Toxicology, Hungarian University of Agriculture and Life Sciences, Institute of Aquaculture and Environmental Safety, Páter Károly u. 1., 2100, Gödöllő, Hungary

Environmental Microbiology and Biotechnology – Session I.

Chairpersons: Baoli Zhu and András Táncsics,

16:00 - 16:15

MULTIPATHOGENIC WASTEWATER SURVEILLANCE: STREAMLINING FOR MULTIPLE TARGETS FROM A SINGLE SAMPLE

Ábel Csongor **Németh**[1,2], Eszter Róka[1], Bernadett Khayer[1], Balázs Seres[1], Boglárka Dóra Pollák[1], Eszter Schuler[1], Bernadett Pályi[3], Judit Henczkó[3], Márta Vargha[1]

1# National Center for Public Health and Pharmacy, Department of Public Health Laboratories and Methodology, Budapest, Hungary; 2# Doctoral School of Environmental Sciences, ELTE Eötvös Loránd University, Budapest, Hungary; 3# National Center for Public Health and Pharmacy, Department of Microbiology Reference Laboratories, Budapest, Hungary

16:15 - 16:30

ATYPICAL BACTERIAL PATHOGENS IN HEALTHCARE-ASSOCIATED WATER MATRICES

Boglárka Dóra **Pollák**[1], Balázs Seres[1], Emese Ágnes Tornainé Kálmán[1], Bernadett Khayer[1], Ábel Csongor Németh[1], Györgyné Lénárt[1], Márta Vargha[1], Eszter Róka[1]

1# National Center for Public Health and Pharmacy

16:30 - 16:45

VALIDATION OF A NAOVEL MEMBRANE-FILTRATION BASED METHOD FOR THE DETECTION OF *E. COLI* AND COLIFORM BACTERIA IN RECREATONAL WATER

Khayer Bernadett[1,4,5], Eszter Schuler[1,5], Anett Lippai[2], Anita Scheirichné Szax[3], Beáta Battó[3], Gábor Kovács[3], Márta Vargha[1,4,5]

1: National Center for Public Health and Pharmacy, Department of Methodology and Public Health Laboratories, Division of Environmental Health Laboratories, Budapest, Hungary,2: BIOKŐR Technological and Environmental Protection Ltd., Budapest, Hungary,3: Government Office of the Capital City Budapest, Department of Public Health, Division of Laboratory, Budapest, Hungary 4: University of Debrecen, One Health Institute, Debrecen, Hungary, 5: WHO Collaborating Centre for Environmental Health Risk Management, Budapest, Hungary

16:45 - 17:00

MICROBIOLOGICALLY INFLUENCED CORROSION – INSIGHTS FROM FIELD-RELEVANT EXPERIMENTS

Judit **Knisz**[1]

1# Ludovika University of Public Service

17:00 - 17:15

MICROBIAL DIVERSITY AND IRON METABOLISM IN CORROSION-ASSOCIATED COMMUNITIES: METAGENOMIC INSIGHTS FOR WATER INFRASTRUCTURE MONITORING

Balázs Tibor **Kunkli**[1,2], Judit Knisz[1,2], Zsuzsanna Kecskés Maconkai[1,2]

1# University of Public Service, Faculty of Water Sciences, Department of Aquatic Environmental Sciences; 2# National Laboratory for Water Science and Water Safety, University of Public Service, Faculty of Water Sciences

Plant Virology Session

Chairpersons: Ana Vučurović and Éva Várallyay

16:30 - 16:55

ENVIRONMENTAL TRANSMISSION ROUTES OF EMERGING TOBAMOVIRUSES AND OTHER STABLE PLANT PATHOGENS

Ana **Vučurović**[1], Irena Bajde[1], Jakob Brodarič[1], Miha Kitek[1], Marko Marohnić[1], Ion Gutiérrez-Aguirre[1], Denis Kutnjak[1], Katarina Bačnik[1], Maja Ravnikar[1], Nataša Mehle[1]

1# National Institute of Biology, Department of Biotechnology and Systems Biology, Ljubjana, Slovenia

16:55 - 17:10

EMERGING AND RE-EMERGING VIRUSES IN SOLANACEOUS AND CUCURBITACEOUS CROPS OF CROATIA

Dorotea Grbin[1,2], Martin Jagunić[1], Adrijana Novak[3], Dijana **Škorić**[1]

1# 1Department of Biology, Faculty of Science, University of Zagreb, Marulićev Trg 9a, 10000 Zagreb; 2# 3Croatian Veterinary Institute, Savska cesta 143, 10000 Zagreb, Croatia; 3# 2Diagnostics and Analytics Department, Centre for Plant Protection (HAPIH), Gorice 68B, 10000 Zagreb, Croatia

17:10 - 17:25

PREVALENCE AND GENETIC DIVERSITY OF VIRUSES INFECTING RED RASPBERRIES IN SERBIA

Darko **Jevremović**[1], Bojana Vasilijević[1]

1# Fruit Research Institute, Čačak, Serbia

17:25 - 17:40

DETECTION OF A PELARSPOVIRUS SEQUENCE IN DOGWOOD (CORNUS SP.) EXHIBITING VIRUS-LIKE SYMPTOMS

Eva **Kovačec**, Nika Krivec, Aljoša Beber, Barbara Grubar, Janja Lamovšek, Irena Mavrič Pleško

Agricultural Institute of Slovenia, Hacquetova ulica 17, Ljubljana, Slovenia

17:40 - 17:55

INVESTIGATION OF VSR CODING CAPACITY OF APPLE INFECTING VIRUSES

Almash Jahan, Vivien Fákó, Éva Várallyay

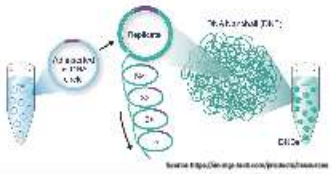
Hungarian University of Agriculture and Life Science, Institute of Plant Protection, Department of Plant Pathology, Genomics Research Group, Gödöllő, Hungary

CHGENE
unveiling genetic secrets

NGS result summary
in CHGENE laboratory. Győr

— **Instrument:** MGI G99
— **Samples:** soil, plant twig, layered rock mass (ATOPlex-DualBarcodes-01-96)
— **DNA library prep.:** ATOPlex Metabarcoding Library Prep Kit
— **Chemistry:** PE300
— **Theoretical output / Run / Cell:** 80,00 M read vs. 133,84 M read

Nanoball technology

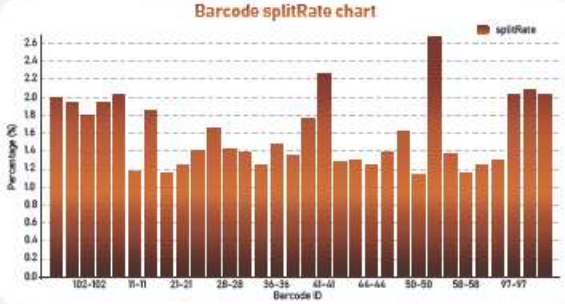


Amplification always from original template

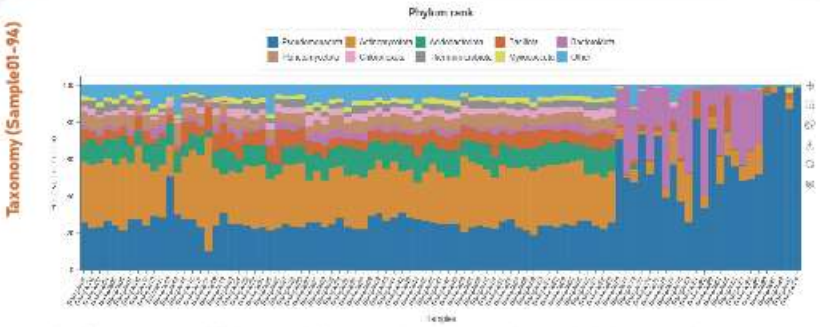
Run summary information

Category	Value
SoftwareVersion	1.7.0.674
TemplateVersion	0.8.0
Reference	NULL
CycleNumber	620
ChipProductivity(%)	88.61
TotalReads(M)	133.84
Q30(%)	94.88
Q40(%)	89.86
SplitRate(%)	98.18

Barcode splitRate chart



The realized read quantity of the run has highly overachived the sequencer's nominal capacity, with the result of high Q30 and Q40 values. The barcode distribution has been considered quite homogen with no relevant differences in the split rate, which provide a reliable result on the sequence datas.



On the Phylum rank barchart the differences in microbial community distribution between soil, plant twig and layered rock is obviously demonstrated by the MGI-NGS results. Sample01-69 are soil, Sample 70-89 are plant twig and Sample 90-96 are layered rock mass based.

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Instructions:

Conference Hall I is arranged by 18:15 as follows:
Rear half for poster stands, front half with chairs left at the spot to have also a relaxing chat with your colleagues. Wine is served from 18:30 on

Poster presenters are expected to stay at their posters from 19:00 to 19:30. If you have purchased dinner, you can have it either before or after.

P01 - Agricultural and Food Microbiology

DETECTION OF ICA AND BAP GENES RELATED WITH BIOFILM-FORMING ABILITY IN STAPHYLOCOCCI FROM EWE MILK LUMP CHEESES

Bino Eva[1], Fraqueza Maria Joao[2], Zábolyová Natália[1], Pogány Simonová Monika[1], Lauková Andrea[1]
1# 1Centre of Biosciences of the Slovak Academy of Sciences, Institute of Animal Physiology, Soltésovej 4-6, 040 01 Košice, Slovakia; 2# 2University in Lisbon, Faculty of Veterinary Medicine, CIISA-Centre of Interdisciplinary Research in Animal Health, Avenida Universidade Technica, 1300-477 Lisbon, Portugal

P02 - Agricultural and Food Microbiology

ENRICHMENT OF ESTROGEN-DEGRADING BACTERIA ORIGINATED FROM DAIRY FARMS

Emília Laura Dzsudzsák[1], Márton Pápai[1], András Táncsics[1], Julianna Kobolák[1], Edit Kaszab[1]
1# Hungarian University of Agriculture and Life Sciences, Institute of Aquaculture and Environmental Safety

P03 - Agricultural and Food Microbiology

ANTIBIOTIC RESISTANCE GENES SCREENING IN STAPHYLOCOCCI SELECTED FROM RAW GOAT MILK

Natália Zábolyová[1,2], Monika Pogány Simonová[1], Aleksandra Troscianczyk[3], Andrea Lauková[1]
1# Centre of Biosciences of the Slovak Academy of Sciences, Institute of Animal Physiology, Šoltésovej 4-6, 040 01 Košice, Slovakia; 2# The University of Veterinary Medicine and Pharmacy in Košice, Komenského 73, 041 81 Košice; 3# University in Lublin, Faculty of Veterinary Medicine, Veterinary Microbiology Sub-Department, Akademicka street 12, 20950 Lublin, Poland

P04 - Agricultural and Food Microbiology

EXPLORING LAB AS NATURAL INHIBITORS OF *CLOSTRIDIUM DIFFICILE*

Ildikó Bata-Vidács[1], Judit Kosztik[1], Dénes Dlauchy[2], József Kukolya[1]
1# Food and Wine Research Institute, Eszterházy Károly Catholic University; 2# National Collection of Agricultural and Industrial Microorganisms, Institute of Food Science and Technology Hungarian University of Agriculture and Life Sciences

P05 - Agricultural and Food Microbiology

PLANT GROWTH PROMOTING BACTERIA FROM THE RHIZOSPHERE OF SZARVASI-1 ENERGY GRASS

Flóra Boglárka **Horváth**[1,2,3], Orsolya Balázs[1], Gyula Sipos[4], Ferenc Fodor[2,3], Erika Tóth[1,2]
1# Eötvös Loránd University, Department of Microbiology; 2# Eötvös Loránd University, Doctoral School of Biology; 3# Eötvös Loránd University, Department of Plant Physiology and Molecular Plant Biology; 4# Agricultural Research and Development Institute, Szarvas, Hungary

P06 - Agricultural and Food Microbiology

BIOCHAR-BASED CARRIERS FOR MICROBIAL INOCULANTS IN SUSTAINABLE AGRICULTURE: A STUDY ON VIABILITY AND PERSISTENCE

Mátyás **Köves**[1], Levente Kardos[2], Zsolt Kotroczó[2], Tamás Kocsis[3]
1# Doctoral School of Horticultural Sciences, Hungarian University of Agriculture and Life Sciences, 1118 Budapest, Hungary; 2# Department of Agro-Environmental Sciences, Hungarian University of Agriculture and Life Sciences, 1118 Budapest, Hungary; 3# Institute of Food Science and Technology, Hungarian University of Agriculture and Life Sciences, 1118 Budapest, Hungary

P07 - Agricultural and Food Microbiology

EFFECTS OF VOCS RELEASED BY ENDOPHYTIC BACTERIAL STRAINS ISOLATED FROM THE RASPBERRY CANE MIDGE AND THE RASPBERRY SLENDER ORNAMENTAL BEETLE ON ELDERBERRY SHOOT BUDS IN VITRO

Annamária **Tóthné Hortó**[1], Éva Ágnes Preininger[2], Zoltán Kirilla[2], Luca Krisztina Szabó[2], Tamás Felföldi[3], Gábor Kollányi[4], József Kutasi[5], Tamás Rétfalvi[6], György Sipos[7]
1# MATE - Doctoral School of Plant Sciences, 2100 Gödöllő, Páter Károly str. 1.; 2# MATE Institute of Horticultural Sciences, Fruit Growing Research Centre, 1223 Budapest, Park str. 2.; 3# ELTE Eötvös Loránd University, Department of Microbiology, Budapest 1117 Pázmány Péter str. 1/C.; 4# 9435 Sarród, Kossuth Lajos str. 57. 1/C.; 5# MATE - Doctoral School of Plant Sciences, Bp. 1045 Berlini str. 47-49. building 7. 128. MATE lab; 6# University of Sopron, Faculty of Forest Engineering, Institute of Environment and Nature Conservation, 9400, Sopron, Bajcsy Zs. u. 4.; 7# University of Sopron, Faculty of Forest Engineering, Institute of Forestry and Natural Resource Management, 9400, Sopron, Bajcsy Zs. u. 4.

P08 - Agricultural and Food Microbiology

BACTERIAL COMMUNITY OF THE GRAPEVINE IN CONVENTIONAL AND ORGANIC VINEYARDS IN BADACSONY

Utassy Kristóf[1], Kocsis Tamás József[1], Pomázi Andrea[1]
1# Magyar Agrár- és Élettudományi Egyetem, Elelmiszertudományi és Technológiai Intézet, Elelmiszer-mikrobiológia, -higiénia és -biztonság Tanszék

P09 - Agricultural and Food Microbiology

A CLONING STRATEGY TO EXPRESS AFLATOXIN B1 DEGRADING GENES OF *RHODOCOCCUS ERYTHROPOLIS* NI86/21 IN R. JOSTII

Judit **Kosztik**[1], József Kukolya[1], István Nagy[1]
1# Eszterházy Károly Catholic University, Department of Research and Development, Eger

P10 - Agricultural and Food Microbiology

CHARACTERISTICS OF NITRIC OXIDE DISMUTASE (NOD) GENES IN PADDY SOILS UNDER DIFFERENT CLIMATIC GRADIENTS IN CHINA

Yi Liu[1], Dongliang Yao[1], Hongling Qin[1], Yanfan Liu[1], Linrong Han[1], Baoli Zhu[1]
1# Institute of Subtropical Agriculture, Chinese Academy of Sciences, Changsha, China

P11 - Agricultural and Food Microbiology

WASTEWATER-BASED EPIDEMIOLOGICAL SURVEILLANCE OF RESPIRATORY PATHOGENS

Balázs Seres[1], Boglárka Pollák[1], Ábel Németh[1], Eszter Róka[1], Bernadett Khayer[1], Györgyné Lénárt[1], Bálint Izsák[1], Renáta Szolga[1], Mártha Vargha[1]
1# National Centre for Public Health and Pharmacy

P12 - Agricultural and Food Microbiology

GENOMIC CHARACTERIZATION OF A MULTIDRUG-RESISTANT O23:H16-ST453 *ESCHERICHIA COLI* STRAIN CULTURED FROM BROILER CHICKEN FAECES IN HUNGARY

János Kiss[1], Balázs Libisch[1], Chioma Lilian Ozoaduche[1,2], Hedvig Fébel[3], Marc Heyndrickx[4], Mónika Szabó[1], Tibor Keresztény[1,2], Katalin Posta[1], Ferenc Olasz[1]
1# Agribiotechnology and Precision Breeding for Food Security National Laboratory, Institute of Genetics and Biotechnology, Hungarian University of Agriculture and Life Sciences, 2100 Gödöllő, Hungary; 2# Doctoral School of Biology, Hungarian University of Agriculture and Life Sciences, 2100 Gödöllő, Hungary; 3# Department of Obstetrics and Food Animal Medicine Clinic, University of Veterinary Medicine Budapest, Hungary; 4# Flanders Research Institute for Agriculture, Fisheries and Food (ILVO), Melle, Belgium

P13 - Agricultural and Food Microbiology

DETECTION OF SDHI FUNGICIDE RESISTANCE MARKERS IN *PODOSPHAERA XANTHII* INFECTING CUCURBITACEOUS CROPS IN HUNGARY

Katalin Borostyán[1,2], Ruth Rogers[1,2], Gyula Pinke[3], Gábor M. Kovács[1,2], Márk Z. Németh[1,2]
1# HUN-REN Centre for Agricultural Research, Plant Protection Institute, Department of Plant Pathology; Hungary; 2# Eötvös Loránd University, Department of Plant Anatomy, Hungary; 3# Széchenyi István University, Department of Water Management and Natural Ecosystems; Hungary

P14 - Agricultural and Food Microbiology

INVESTIGATION OF SUCCINATE DEHYDROGENASE INHIBITOR (SDHI) FUNGICIDES RESISTANCE IN GRAPE POWDERY MILDEW (ERYSIPHE NECATOR) POPULATIONS IN EGER VINEYARD, HUNGARY

☩ Zsolt Spitzmüller[1], Tibor Kiss[1], Xénia Karácsony-Pálfi[1], Levente Kiss[1,2,3], Kálmán Z. Váczy[1]
1Eszterházy Károly Catholic University, Food and Wine Research Institute, Eger, 2Centre for Agricultural Research, Plant Protection Institute, Budapest, 3Centre for Crop Health, University of Southern Queensland, Toowoomba, Australia 0

P15 - Agricultural and Food Microbiology

THE FUNGAL GENUS KALMUSIA IS ASSOCIATED WITH GRAPEVINE TRUNK DISEASE IN EGER, HUNGARY

Nikolett Molnár[1], Dóra Szabó[1], Ádám Novák[1], Xénia Pálfi[1], Kálmán Zoltán Váczy[1], Zoltán Karácsony[1]

1# Eszterházy Károly Katolikus Egyetem

P16 - Agricultural and Food Microbiology

THREE HUNGARIAN HAZELNUT CLONES SHOW REDUCED POWDERY MILDEW SEVERITY FROM *ERYSIPHE CORYLACEARUM*

Klementina Kalmár[1], Márta Ladányi[2], Márk Z. Németh[3,4]

1 Research Centre for Fruit Growing, Institute of Horticultural Science, Hungarian University of Agriculture and Life Sciences (MATE), Budapest, Hungary; 2 Department of Applied Statistics, Institute of Mathematics and Basic Science, Hungarian University of Agriculture and Life Sciences (MATE), Budapest, Hungary; 3 Plant Protection Institute, HUN-REN Centre for Agricultural Research, Budapest, Hungary; 4 Department of Plant Anatomy, Institute of Biology, ELTE Eötvös Loránd University, Budapest, Hungary

P17 - Agricultural and Food Microbiology

MULTIPLEX PCR-BASED GENOTYPING OF *FUSARIUM* ISOLATES FOR PREDICTING MYCOTOXIN CONTAMINATION

Suhajda Ákos[1], Baka Erzsébet[1], Kriszt Balázs[1], Cserháti Mátyás[1]

1# MATE Akvakultúra és Környezetbiztonsági Intézet

P18 - Agricultural and Food Microbiology

INVESTIGATION OF STRUCTURAL STABILITY OF B1N680, A *SOLANUM LYCOPERSICUM L.*-DERIVED DEFENSIN

Papp Rebeka[1,2], Borics Attila[3], Galgóczi László[1], Tóth Liliána[1]

1# Szegedi Tudományegyetem, Természettudományi és Informatikai Kar, Biotechnológiai és Mikrobiológiai Tanszék, Szeged; 2# Szegedi Tudományegyetem, Biológia Doktori Iskola, Szeged; 3# HUN-REN Szegedi Biológiai Kutatóközpont, Biokémiai Intézet, Szeged

P19 - Agricultural and Food Microbiology

IMPACT OF ARBUSCULAR MYCORRHIZAL FUNGAL INOCULATION ON POWDERY MILDEW INFECTED TOMATO PLANTS

László Lívia[1]; Szentpéteri Viktor[1,2]; Mayer Zoltán[1]; Pintye Alexandra[3]; Posta Katalin[1,2]

1# Institute of Genetics and Biotechnology, Department of Microbiology and Applied Biotechnology, Hungarian University of Agriculture and Life Sciences, Gödöllő, Hungary, 2# Agribiotechnology and Precision Breeding for Food Security National Laboratory, Institute of Genetics and Biotechnology, Hungarian University of Agriculture and Life Sciences, Gödöllő, Hungary, 3# HUN-REN Centre for Agricultural Research, Plant Protection Institute, Department of Plant Pathology, Budapest, Hungary.

P20 - Agricultural and Food Microbiology

ARBUSCULAR MYCORRHIZAL FUNGI IN ENHANCING PLANT STRESS TOLERANCE

Szentpéteri Viktor[1,2], Mayer Zoltán[1], László Lívia[1], Posta Katalin[1,2]
1# Institute of Genetics and Biotechnology, Department of Microbiology and Applied Biotechnology, Hungarian University of Agriculture and Life Sciences, Gödöllő, Hungary, 2# Agribiotechnology and Precision Breeding for Food Security National Laboratory, Institute of Genetics and Biotechnology, Hungarian University of Agriculture and Life Sciences, Gödöllő, Hungary.

P21 - Agricultural and Food Microbiology

OPEN-FIELD TRIALS OF MYCORRHIZAL AND BACTERIAL INOCULATION ON YIELD AND SOIL PARAMETERS IN SUNFLOWER, MAIZE, AND PEPPER PRODUCTION

Andrea Tímea Tóth[1,2], Katalin Posta[1,2]
1# Hungarian University of Agriculture and Life Sciences, Institute of Genetics and Biotechnology, Department of Microbiology and Applied Biotechnology, Gödöllő; 2# Agri-biotechnology and Precision Breeding for Food Security National Laboratory, Gödöllő

P22 - Agricultural and Food Microbiology

THE EFFECT OF SHORT AND LONG-TERM WATER DEFICIT ON PHYSIOLOGICAL PERFORMANCE AND LEAF MICROBIOME OF DIFFERENT ROOTSTOCK AND SCION COMBINATIONS

Ramóna Biró-Kovács[1,2], József Geml[1,3], Ádám István Hegyi[1], Tibor Kiss[1], Richárd Golen[1], Dorina Veinémer[4], Zsolt Zsófi[4]
1# Food and Wine Research Institute, Eszterházy Károly Catholic University, Eger, Hungary; 2# Pázmány Péter Catholic University, Faculty of Information Technology and Bionics, Budapest, Hungary; 3# HUN-REN-EKKE Lendület Environmental Microbiome Research Group, Eszterházy Károly Catholic University, Eger, Hungary; 4# Institute for Viticulture and Enology, Eszterházy Károly Catholic University, Eger, Hungary

P23 - Agricultural and Food Microbiology

EXPLORING THE OENOLOGICAL POTENTIAL OF NON-CONVENTIONAL YEAST STRAINS IN APPLE JUICE FERMENTATION

Szonja Takács[1], Hajnalka Csoma[1], László Attila Papp[1], Ida Miklós[1]
1# University of Debrecen, Faculty of Science and Technology, Institute of Biotechnology, Department of Genetics and Applied Microbiology, Debrecen, Hungary

P24 - Agricultural and Food Microbiology

EVALUATING THE RESPONSES OF SOILBORNE FUNGAL COMMUNITIES TO ARTIFICAL CANOPY GAPS OF DIFFERENT SHAPES AND SIZES IN CONTINUOUS-COVER FORESTRY SYSTEMS

József Geml[1], Bence Kovács[2], Gabriella Fintha[1], Flóra Tinya[2], Péter Ódor[2]
1# Environmental Microbiome Research Group, Eszterházy Károly Catholic University, Eger, Hungary; 2# Institute of Ecology and Botany, Centre for Ecological Research, Vácrátót, Hungary

P25 - Agricultural and Food Microbiology

BOOSTING ANAEROBIC LIGNOCELLULOSE UTILIZATION VIA SYNTROPHIC INTERACTIONS

Annabella Juhász-Erdélyi[1], Etelka Kovács[1], Roland Wirth[2], Gergely Maróti[2], Zoltán Bagi[1,2], Kornél L. Kovács[1,2]
1# Department of Biotechnology and Microbiology, Faculty of Science and Informatics, University of Szeged; 2# Institute of Plant Biology, HUN-REN Biological Research Centre

P26 - Agricultural and Food Microbiology

AGRICULTURAL USE OF SPENT MUSHROOM COMPOST

Henrietta Allaga[1], Rita Büchner[1], András Varga[1], Ádám Bordé-Pavlicz[1], Dániel Hercegfalvi[1], Terézia Kovács[2], Judit Bajzát[3], Nóra Bakos-Barczi[3], Amanda Sándorné Szőke[3], András Misz[3], Csaba Csutorás[3], András Szekeres[1], Mónika Varga[1], László **Kredics**[1], Csaba Vágvölgyi[1]
1# Department of Biotechnology and Microbiology, Faculty of Science and Informatics, University of Szeged; 2# Biological Research Centre, Institute of Biochemistry, 6726 Szeged, Temesvári krt. 62.; 3# Új Champignons Ltd.,1224 Budapest, Bartók Béla út 162.

P27 - Clinical and Diagnostic Microbiology

ENHANCING STRAIN DISCRIMINATION IN *KLEBSIELLA PNEUMONIAE* MALDI TOF MS TYPING THROUGH BATCH EFFECT CORRECTION

Atieno, Faith Margaret[1], Melegh, Szilvia[1]
1# University of Pécs, Medical School

P28 - Bacteriology

REVERSAL OF MULTIDRUG RESISTANCE USING REPURPOSED DRUGS AS BACTERIAL EFFLUX PUMP INHIBITORS IN *ESCHERICHIA COLI* STRAINS

Nikoletta Szemerédi[1], Márta Nové[1], **Danhui Heo**[1], László Orosz[1], József Sóki[1], Gabriella Spengler[1]
1# Department of Medical Microbiology, Albert Szent-Györgyi Health Center, Albert Szent-Györgyi Medical School, University of Szeged

P29 - Bacteriology

EFFECT OF ENTEROCIN 7420 ON INTESTINAL MICROBIOTA AND IMMUNITY OF MICE INFECTED WITH METHICILLIN-RESISTANT *KOCURIA VARIANS* R33/4

Natália **Zábolyová**[1,2], Emília Dvorožňáková[3], Eva Bino[1], Radoslava Krištofová[1,2], Anna Kandričáková[3], Ľubomíra Grešáková[1], Marcela Maloveská[3], Andrea Lauková[1], Monika Pogány Simonová[1]
1# Centre of Biosciences of the Slovak Academy of Sciences, Institute of Animal Physiology, Šoltésovej 4-6, 04001 Košice, Slovakia; 2# The University of Veterinary Medicine and Pharmacy in Košice, Komenského 73, 041 81 Košice; 3# Institute of Parasitology of the Slovak Academy of Sciences, Hlinkova 3, 040 01 Košice Slovak Republic

P30 - Bacteriology

EFFECT OF ENTEROCIN ENT7420 ON INTESTINAL MICROBIOTA, CAECAL ENZYMATIC ACTIVITY AND HEALTH IN BROILER RABBITS INFECTED WITH A METHICILLIN-RESISTANT *STAPHYLOCOCCUS EPIDERMIDIS* P3TR2A STRAIN

Pogány Simonová Monika[1], Chrastinová Ľubica[2], Ščerbová Jana[1], Zábolyová Natália[1], Bino Eva[1], Plachá Iveta[1], Tokarčíková Katarína[1], Žitňan Rudolf[2], Lauková Andrea[1]
1# Centre of Biosciences of the Slovak Academy of Sciences, Institute of Animal Physiology, Soltésovej 4-6, 040 01 Košice, Slovakia; 2# National Agricultural and Food Centre, Department of Animal Nutrition, Hlohovecká 2, 95141 Nitra-Lužianky, Slovakia

P31 - Bacteriology

THE EFFECT OF MUNDTICIN PRODUCED BY THE STRAIN *ENTEROCOCCUS MUNDTII* EM41/3 IN HORSES BREED NORIK FROM MURÁŇ

Pogány Simonová Monika[1], Focková Valentína[1], Styková Eva[2], Kosečková Micenková Lenka[3], Plachá Iveta[1], Grešáková Ľubomíra[1], Gancarčíková Soňa[2], Bino Eva[1], Valocký Igor[2], Miltko Renata[4], Belzecki Grzegorz[4], Lauková Andrea[1]

1# Centre of Biosciences of the Slovak Academy of Sciences, Institute of Animal Physiology, Šoltésovej 4-6, 040 01 Košice, Slovakia; 2# University of Veterinary Medicine and Pharmacy in Košice, Komenského 73, 041 81 Košice, Slovakia; 3# Section of Genetics and Molecular Biology, Department of Experimental Biology, Biology Section, Faculty of Science, Masaryk University, Kamenice 753/5, 625 00 Brno, Czech Republic; 4# The Kielanowski Institute of Animal Physiology and Nutrition, Polish Academy of Sciences, Instytucka 3, 05110 Jablonna, Poland

P32 - Bacteriology

ASSOCIATION BETWEEN VIRULENCE FACTORS AND TRANSMISSIBLE PATHOGENICITY POTENTIAL IN ENTEROCOCCI FROM WILD ROE DEER

Eva Bino[1], Andrea Laukova[1]

1# Centre of Biosciences of the Slovak Academy of Sciences, Institute of Animal Physiology, Šoltésovej 4-6, 040 01 Košice, Slovakia

P33 - Bacteriology

GENOMIC INVESTIGATION OF EUROPEAN *ACINETOBACTER BAUMANNII* ST2 HIGH-RISK CLONE

David Hummel[1]

1# Semmelweis University

P34 - Bacteriology

LONG-TERM SURVIVAL OF *FRANCISELLA TULARENSIS SUBSP. HOLARCTICA* LVS WITHIN AMOEBAE

Linda Jerinić[1], Andreja Zubković[1], Ina Viduka[1], Maša Antonić[1], Mirna Mihelčić[1], Marina Šantić[1,2]

1# University of Rijeka, Faculty of Medicine, Department of Microbiology and Parasitology, Braće Branchetta 20, Rijeka, Croatia; 2# Teaching Institute of Public Health of Primorje-Gorski Kotar County, Department of Environmental Protection and Health Ecology, Krešimirova 52a, Rijeka, Croatia

P35 - Bacteriology

COMPARATIVE ANALYSES OF PHENOTYPIC AND GENOTYPIC ANTIBIOTIC SUSCEPTIBILITY OF *PASTEURELLA MULTOCIDA*

Krisztina Pintér[1], Marianna Domán[1], Enikő Wehmann[1], László Makrai[2], Tibor Magyar[1]

1# HUN-REN Veterinary Medical Research Institute, Budapest, Hungary; 2# Autovakcina Kft., Hungary

P36 - Bacteriology

EVALUATION OF ANTIBIOTIC RESISTANCE IN *RIEMERELLA ANATIPESTIFER* STRAINS DERIVED FROM POULTRY IN HUNGARY

Zsófia Turóczi[1], Krisztina Pintér[1], Enikő Wehmann[1], Tibor Magyar[1,2], Marianna Domán[1,2]
1# HUN-REN Veterinary Medical Research Institute, Budapest, Hungary; 2# National Laboratory of Infectious Animal Diseases, Antimicrobial Resistance, Veterinary Public Health and Food Chain Safety, University of Veterinary Medicine, Budapest, Hungary

P37 - Bacteriology

POLOXAMER MICELLES FOR THE DELIVERY OF PEPTIDE-BASED DRUGS AND ANTIGENS

Horváti Kata[1]
1# HUN-REN Research Centre for Natural Sciences; 2# Laboratory of Interfaces and Nanostructures, Eötvös Loránd University

P38 - Virology

THE SEROPREVALENCE OF WEST NILE VIRUS IN POULTRY IN CROATIA IN 2024

Ivana Rončević[1], Mirta Balenović[1], Tajana Amšel Zelenika[1], Ljubo Barbić[2], Tatjana Vilibić Čavlek[3], Maja Bogdanić[3], Vladimir Savić[1]
1# Croatian veterinary institute; 2# Faculty of Veterinary Medicine University of Zagreb; 3# Croatian Institute of Public Health

P39 - Virology

CODING-COMPLETE GENOME SEQUENCE DETERMINATION OF AN INFECTIOUS LARYNGOTRACHEITIS VIRUS FROM TRACHEAL MUCOSA SAMPLE SHIPPED ON FTA CARD

Renata Varga-Kugler[1], Zalan Homonnay[1], Istvan Kiss[1]
1# Ceva-Phylaxia Ltd.

P40 - Plant Virology

IMPORTANT VIRUS AND VIRUS-LIKE DISEASES IN SLOVENIAN VINEYARDS AND POSSIBILITIES FOR THEIR MANAGEMENT

Irena Mavrič Pleško[1], Ivan Žežlina[2], Eva Kovačec[1], Nika Krivec[1], Aljoša Beber[1], Barbara Grubar[1], Janja Lamovšek[1], Julija Polanšek[1], Saša Širca[1]
1# Agricultural Institute of Slovenia, Hacquetova ulica 17, Ljubljana, Slovenia; 2# Institute of Agriculture and Forestry Nova Gorica, Pri Hrastu 18, Nova Gorica, Slovenia

P41 - Plant Virology

TRACKING APHID-TRANSMITTED VIRUSES IN INVASIVE WEEDS: PLANT HOSTS OR INSECT CONTAMINATION?

Lilla Dorottya Péri, Zsuzsanna Nagyné Galbács, Éva Várallyay
Hungarian University of Agriculture and Life Sciences, Institute of Plant Protection, Department of Plant Pathology, Genomics Research Group, HU-2100 Godollo, Szent-Gyorgyi Albert Str. 4, Hungary

P42 - Immunology and Parasitology

ROLE OF THE HEAT SHOCK TRANSCRIPTION FACTOR HSF-1 IN THE INTRACELLULAR PATHOGEN RESPONSE OF THE NEMATODE *CAENORHABDITIS ELEGANS*

Viktor Vázsony Vincze[1], Saqib Ahmed[1], Márton Kovács[1], Dániel Kovács[1], Tibor Vellai[1,2], János Barna[2,3]
1# Department of Genetics, Institute of Biology, Eötvös Loránd University, Budapest, Hungary; 2# HUN-REN-ELTE Genetics Research Group, Eötvös Loránd University, Budapest, Hungary; 3# Food and Wine Research Institute, Eszterházy Károly Catholic University, Eger, Hungary

P43 - Environmental Microbiology and Biotechnology

THE TAXONOMIC DIVERSITY OF PROKARYOTIC COMMUNITIES IN PERMAFROST SOIL ECOSYSTEMS IN PATAGONIA, CHILE

Viktória Faragó[1], Andrea Kériné Dr. Borsodi[1], Balázs Nagy[1]
1# Department of Microbiology, Institute of Biology, ELTE,Eötvös Loránd University, Budapest 1117, Hungary

P44 - Environmental Microbiology and Biotechnology

TOWARDS IMPROVED FUNGAL SOIL REMEDIATION: ASSESSING DRIVERS OF MYCELIAL GROWTH OF WHITE-ROT FUNGUS P. OSTREATUS

Krisztina Emilia Hódosi[1,2], Lukas Y. Wick[1]
1# Department of Applied Microbial Ecology, Helmholtz Centre for Environmental Research-UFZ, Permoserstraße 15, 04318 Leipzig, Germany; 2# Department of Microbiology, Eötvös Loránd University, Pázmány Péter sétány 1/C, 1117 Budapest, Hungary

P45 - Environmental Microbiology and Biotechnology

UNRAVELING NATIVE MICROBIAL COMMUNITIES AND BIOREMEDIATION DYNAMICS IN HYDROCARBON-CONTAMINATED AQUIFERS: EVIDENCE FOR SITE-SPECIFIC ADAPTATION

Erzsébet Baka[1], Renáta Ábrahám[1], Emma Bajzák[1], Andrea Csépányi[1], Balázs Kriszt[2], András Táncsics[1]
1# Department of Molecular Ecology, Hungarian University of Agriculture and Life Sciences, Institute of Aquaculture and Environmental Safety, Páter Károly u. 1., 2100, Gödöllő, Hungary; 2# Department of Environmental Toxicology, Hungarian University of Agriculture and Life Sciences, Institute of Aquaculture and Environmental Safety, Páter Károly u. 1., 2100, Gödöllő, Hungary

P46 - Environmental Microbiology and Biotechnology

POTENTIAL OF ENRICHMENT CULTURES IN THE BIOREMEDIATION OF GROUNDWATER CONTAMINATED WITH MTBE

Márton Pápai[1], Erzsébet Baka[1], Renáta Ábrahám[1], Andrea Csépányi[1], Balázs Kriszt[2], András Táncsics[1]

1# Department of Molecular Ecology, Hungarian University of Agriculture and Life Science, Institute of Aquaculture and Environmental Safety, 2100 Gödöllő, Páter Károly utca 1., Hungary; 2# Department of Environmental Toxicology, Hungarian University of Agriculture and Life Science, Institute of Aquaculture and Environmental Safety, 2100 Gödöllő, Páter Károly utca 1., Hungary

P47 - Environmental Microbiology and Biotechnology

SYNGAS FERMENTATION

Márk Szuhaj[1,2], Roland Wirth[1,2], Gergely Maróti[2,3], Kornél L.Kovács[1], Zoltán Bagi[1]

1# University of Szeged, Department of Biotechnology and Microbiology, Szeged, Hungary; 2# Institute of Plant Biology, HUN-REN Biological Research Centre, Szeged; 3# Department of Aquatic Environmental Sciences, Faculty of Water Sciences, Ludovika University of Public Service, Baja, Hungary

P48 - Environmental Microbiology and Biotechnology

ASPERGILLUS FLAVI AND *NIGRI* CONCENTRATIONS IN OUTDOOR AIR IN HUNGARY – PRELIMINARY DATA OF A 16-YEAR-LONG OBSERVATION

Zsófia Tischner[1], Donát Magyar[2], Anna Páldy[2], Edit Kaszab[1], Csaba Dobolyi[1], Ádám Leelőssy[3]

1# Hungarian University of Agriculture and Life Sciences, Institute of Aquaculture and Environmental Safety, Department of Environmental Safety, Gödöllő, Hungary; 2# National Center for Public Health and Pharmacy, Budapest, Hungary; 3# Eötvös Loránd University, Faculty of Science, Institute of Geography and Earth Sciences, Department of Meteorology, Budapest, Hungary

P49 - Environmental Microbiology and Biotechnology

COMPARATIVE ANALYSIS OF RHIZOSPHERE BACTERIAL AND FUNGAL COMMUNITIES IN THREE MENTHA SPECIES

Yasmine Wazzani[1,2], Szilvia Tavaszi-Sárosi[3], Katalin Posta[1], Ferenc Olasz[1], Ákos Juhász[1]

1# Agribiotechnology and Precision Breeding for Food Security National Laboratory, Hungarian University of Agriculture and Life Sciences, Institute of Genetics and Biotechnology, Gödöllő, Hungary; 2# Doctoral School of Biological Sciences, Hungarian University of Agriculture and Life Sciences, Gödöllő, Hungary; 3# Institute of Horticultural Science, Department of Medicinal and Aromatic Plants, Hungarian University of Agriculture and Life Sciences, Budapest, Hungary

P50 - Environmental Microbiology and Biotechnology

THE POSSIBLE MECHANISM OF THE ESCA DISEASE-PROMOTING EFFECT OF *AUREOBASIDIUM PULLULANS*

Molnár Nikolett[1], Szabó Dóra[1], Novák Ádám[1], Pálfi Xénia[1], Gomba-Tóth Adrienn[1], Karácsony Zoltán[1], Váczy Kálmán Zoltán[1]

1# Eszterházy Károly Katolikus Egyetem

P51 - Mycology

ANTIFUNGAL SUSCEPTIBILITY OF *MALASSEZIA PACHYDERMATIS* ISOLATES FROM COMPANION ANIMALS AND GENOMIC INSIGHTS INTO RESISTANCE MECHANISMS

Marianna **Domán**[1,2], Dávid Első[3], Klaudia Till[4], Krisztina Pintér[1], Enikő Wehmann[1], Enikő Fehér[4,2], Tibor Magyar[1,2]
1# HUN-REN Veterinary Medical Research Institute; 2# National Laboratory of Infectious Animal Diseases, Antimicrobial Resistance, Veterinary Public Health and Food Chain Safety, University of Veterinary Medicine; 3# Duo-Bakt Veterinary Microbiology Laboratory; 4# University of Veterinary Medicine

P52 - Mycology

IN VIVO EFFICACY OF REZAFUNGIN, ANIDULAFUNGIN, CASPOFUNGIN AND MICAFUNGIN AGAINST THE FIFTH CLADE OF *CANDIDA (CANDIDOZYMA) AURIS*

Gergely **Udvarhelyi**[1], Jacques F. Meis[2], Dávid Balázsi[1], Jeffrey B. Locke[3], Lajos Forgács[1], Renátó Kovács[1], Zoltán Tóth[1], Awid Adnan[1], László Majoros[1]
1# Medical Microbiology, Clinical Center, Faculty of Medicine, University of Debrecen ; 2# Centre of Expertise in Mycology, Radboudumc and Canisius Wilhelmina Hospital, Nijmegen, Netherlands; 3# Elion Therapeutics, Inc., 1 Lincoln Street, Suite 29-121, Boston, MA 02111, USA

P53 - Mycology

THE IMPACT OF THE YAP1 TRANSCRIPTION FACTOR ON THE VIRULENCE OF *CANDIDA AURIS*

Szücs Molli[1], Király Szabina[1], Pápai Ildikó[1], Papp László Attila[2], Balázsi Dávid[3], Oláh Attila[4], Pázmándi Kitti Linda[5], Porubska Sofia[1], Pócsi István[1,6], Benkő Zsigmond[1]
1# Természettudományi és Technológiai Kar, Biotechnológiai Intézet, Molekuláris Biotechnológiai és Mikrobiológiai Tanszék, Debrecen; 2# Természettudományi és Technológiai Kar, Biotechnológiai Intézet, Genetikai és Alkalmazott Mikrobiológiai Tanszék, Debrecen; 3# DE Klinikai Központ (DEKK), Egészségügyi Szolgáltató Egységek, Diagnosztikai Egységek, Orvosi Mikrobiológia, Debrecen; 4# Általános Orvostudományi Kar, Élettani Intézet, Debrecen; 5# Általános Orvostudományi Kar, Immunológiai Intézet, Debrecen; 6# HUN-REN-UD Fungal Stress Biology Research Group, Debrecen

P54 - Mycology

VIRULENCE-ASSOCIATED TRAITS IN *MUCOR LUSITANICUS*

Szebenyi Csilla[1], Kocsubé Sándor[2], Molnár Anna[1], Kiss Karina[1], Sinka Rita[3], Németh Dóra[3], Szegedi Botond[1], Tammam Abu Saleem K. Siliman[1], Vágvölgyi Csaba[2], Papp Tamás[1]
1# HUN-REN - SZTE Pathomechanisms of Fungal Infections Research Group Faculty of Science and Informatics, Department of Microbiology, Közép fasor 52., H-6726 Szeged, Hungary; 2# University of Szeged, Faculty of Science and Informatics, Department Biotechnology and Microbiology, Közép fasor 52., H-6726 Szeged, Hungary; 3# University of Szeged, University of Szeged, Faculty of Science and Informatics, Department of Genetics, Közép fasor 52., H-6726 Szeged, Hungary

P55 - Mycology

INVESTIGATION OF SPORE SURFACE PROTEINS IN *MUCOR LUSITANICUS* TO ESTABLISH VIRULENCE FACTORS

Tammam Abu Saleem[1,2], Anna Molnár[1,2], Bence Rafael[1,2], Karina Kiss[1,2], Botond Szeged[1,2], Csilla Szebenyi[1,2], Csaba Vágvölgyi[1,2], Rita Sinka[3], Dóra Németh[3], Mónika Homa[1,2], Tamás Papp[1,2]
1# University of Szeged, Faculty of Science and Informatics, Department of Biotechnology and Microbiology; 2# HUN-REN - SZTE Pathomechanisms of Fungal Infections Research Group; 3# 3University of Szeged, University of Szeged, Faculty of Science and Informatics, Department of Genetics

P56 - Mycology

FUNCTIONAL CHARACTERIZATION OF SPORE SURFACE PROTEINS IN *MUCOR LUSITANICUS*: CORRELATIONS WITH VIABILITY AND PATHOGENICITY

Karina **Kiss**[1,2], Csilla Szebeny[1,2], Anna Molnár[1,2], Abu Saleem Tammam Khaliefeh Siliman[1,2], Tamás Polgár[3], Dóra Németh[4], Rita Sinka[4], Tamás Papp[1]

1# University of Szeged, Faculty of Science and Informatics, Department Biotechnology and Microbiology, Közép fasor 52., H-6726 Szeged, Hungary; 2# HUN-REN - SZTE Pathomechanisms of Fungal Infections Research Group Faculty of Science and Informatics, Department of Microbiology, Közép fasor 52., H-6726 Szeged, Hungary; 3# Institute of Biophysics, HUN-REN Biological Research Centre, Szeged, Hungary; 4# University of Szeged, University of Szeged, Faculty of Science and Informatics, Department of Genetics, Közép fasor 52., H-6726 Szeged, Hungary

P57 - Mycology

REVEALING THE FUNCTION OF HYDROPHOBIC SURFACE BINDING PROTEINS IN THE PATHOGENICITY OF *MUCOR LUSITANICUS*

Anna **Molnár**[1,2,] Vanda Kovács[1,2], Bence Rafael[1,2], Rita Sinka[3], Dóra Németh[3], Ildikó Domonkos[4], Csaba Vágvölgyi[1], Csilla Szebenyi[1,2], Tamás Papp[1,2]

1 Department of Biotechnology and Microbiology, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary, 2 HUN-REN-SZTE Fungal Pathomechanisms Research Group, Department of Biotechnology and Microbiology, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary, 3 Department of Genetics, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary, 4 Biological Research Centre, Institute of Plant Biology, H-6726 Szeged, Hungary

P58 - Mycology

CHARACTERIZATION OF THE ZIPV TRANSCRIPTION FACTOR IN *ASPERGILLUS FUMIGATUS*

Tamás **Emri**[1,2], Kinga Edina Varga[1,3], Zsigmond Benkő[1], István Pócsi[1,2]

1# Department of Molecular Biotechnology and Microbiology, University of Debrecen, H-4032 Debrecen, Hungary; 2# HUN-REN–UD Fungal Stress Biology Research Group, H-4032 Debrecen, Hungary; 3# Doctoral School of Nutrition and Food Sciences, University of Debrecen, H-4032 Debrecen, Hungary

P59 - Mycology

THE ROLE OF THE YAP1 GENE IN THE STRESS RESPONSE OF *ASPERGILLUS FUMIGATUS*

Sandugash **Ibragimova**[1,2], Chahinez Bennoui[1], Emri Tamás[1,2], István Pócsi[1,2]

1# Department of Molecular Biotechnology and Microbiology, Institute of Biotechnology, Faculty of Science and Technology, University of Debrecen, H-4032 Debrecen, Hungary; 2# HUN-REN–UD Fungal Stress Biology Research Group, H-4032 Debrecen, Hungary

P60 - Mycology

BBATFA PLAYS AN IMPORTANT ROLE IN THE GROWTH, STRESS RESPONSE AND CONIDIATION OF THE INSECT PATHOGENIC FUNGUS *BEAUVERIA BASSIANA*

Beatrix **Kocsis**[1], István Pócsi[2,1], Éva Leiter[2,1]

1# HUN-REN-DE Fungal Stress Biology Research Group, Debrecen; 2# University of Debrecen, Department of Molecular Biotechnology and Microbiology, Debrecen

P61 - Mycology

HIGH-THROUGHPUT VIABILITY ASSAY FOR STUDYING SOIL AND HOST PREFERENCE PATTERNS OF DARK SEPTATE ENDOPHYTES

Petra **Lengyel**[1], Fruzsina Matolcsi[1,2], Szilvia Bősze[3,4], Zoltán Szalai[5,6], Anna Nagy[5], Gábor Herczeg[7,8], Gábor M Kovács[1,2,7]

1Department of Plant Anatomy, Institute of Biology, Eötvös Loránd University, Budapest, Hungary, 2 Plant Protection Institute, Centre for Agricultural Research, HUN-REN, Budapest, Hungary,3 HUN-REN-ELTE Research Group of Peptide Chemistry, Budapest, Hungary, 4 Department of Genetics, Cell- and Immunobiology, Semmelweis University, Budapest, Hungary, 5 HUN-REN Research Centre for Astronomy and Earth Sciences, 6 Department of Environmental and Landscape Geography, Institute of Geography and Earth Sciences, Eötvös Loránd University, Budapest, Hungary, 7 HUN-REN-ELTE-MTM Integrative Ecology Research Group, Budapest, Hungary, 8 Department of Systematic Zoology and Ecology, Institute of Biology, Eötvös Loránd University, Budapest, Hungary t

P62 - Mycology

FIRST CONFIRMED OCCURRENCE OF *UROMYCES MUSCARI* ON GRAPE HYACINTH IN HUNGARY

Orsolya **Molnár**[1], Réka Albert[2], Lóránt Király[1], András Künstler[1], József Fodor[1], Ildikó Schwarczinger[1]

1# Plant Protection Institute, HUN-REN Centre for Agricultural Research, Budapest, Hungary; 2# Institute of Plant Sciences and Environmental Protection, Faculty of Agriculture, University of Szeged, Hódmezővásárhely, Hungary

P63 - Mycology

NEW AND RECENTLY DESCRIBED ROOT-COLONIZING ENDOPHYTIC FUNGAL TAXA FROM GRAMINEOUS PLANTS IN SEMIARID GRASSLANDS AND AGRICULTURAL FIELDS

Alexandra **Pintye**[1,2], Ildikó Imrefi[2], Fruzsina Matolcsi[1,2], Orsolya Molnár[1], Tamás Árendás[3], Ruth Rogers[2], Péter Sasvári[2], Imre Boldizsár[2], Gábor M. Kovács[1,2,4]

1# Plant Protection Institute, Centre for Agricultural Research, HUN-REN, Budapest, Hungary; 2# Department of Plant Anatomy, Institute of Biology, Eötvös Loránd University, Budapest, Hungary; 3# Agricultural Institute, Centre for Agricultural Research, HUN-REN, Budapest, Hungary; 4# HUN-REN-ELTE-MTM Integrative Ecology Research Group, Budapest, Hungary

P64 - Mycology

IN SILICO AND TRANSCRIPTIONAL ANALYSIS OF THE RICIN-LIKE TOXINS (RLTS) OF *MUCOR LUSITANICUS*

SZEGEDI Botond[1], MOLNÁR Anna[1], KISS Karina[1], SINKA Rita[3], NÉMETH Dóra[3], RAFAEL Bence[1], SILIMAN A. S. T. Khaliefeh[1], VÁGVÖLGYI Csaba[1,2], SZEBENYI Csilla[1,2,] PAPP Tamás[1,2]

1 Department of Biotechnology and Microbiology, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary, 2 HUN-REN-SZTE Fungal Pathomechanisms Research Group, Department of Biotechnology and Microbiology, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary, 3 Department of Genetics, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary

P65 - Mycology

DEVELOPMENT OF YIELD-ENHANCING BACTERIAL SOIL AND FOLIAR FERTILIZER FOR CROPS THAT INHIBITS THE SPREAD OF *SCLEROTINIA SCLEROTIORUM*

Rózsa Máté[1], Mariann Auth[2], István Bakondi[1], Katalin Posta[3], Gellért **Farkas**[1] and Zsolt Bereczky[2]t

1BioFil Microbiological, Biotechnological and Biochemical Ltd.; Váci út 87., H-1139 Budapest, Hungary 2Saniplant Ltd.; Raktár utca 19., H-1035 Budapest, Hungary 3Hungarian University of Agriculture and Life Sciences, Department of Plant Physiology and Plant Ecology; Villányi út 29-43., H-1118 Budapest, Hungary

P66 - Mycology

EXTRACELLULAR PROLINE PRODUCTION OF PLANT GROWTH PROMOTING RHIZOBACTERIA IN HIGH SALT CONTAINING MEDIA

Dávid **Kiss-Leizer**[1,2], Zsolt Bereczky[3], István Papp[2]

1BioFil Microbiological, Biotechnological and Biochemical Ltd.; Váci út 87., H-1139 Budapest, Hungary; 2Hungarian University of Agriculture and Life Sciences, Department of Plant Physiology and Plant Ecology; Villányi út 29-43., H-1118 Budapest, Hungary; 3Saniplant Ltd.; Raktár utca 19., H-1035 Budapest, Hungary

Bacteriology & Clinical and Diagnostic Microbiology

Chairpersons: Orsolya Dobay and László Majoros

9:00 - 9:15

DETAILED PHENOTYPIC CHARACTERIZATION OF LYTIC ENTEROBACTERIAL PHAGES ISOLATED FROM HUNGARIAN LIVESTOCK

Andrea **Béres**[1], Dávid Hodunov[1], Domonkos Sváb[1]

1# HUN-REN Veterinary Medical Research Institute, 1143, Budapest, Hungária körút 21., Hungary

9:15 - 9:30

EXAMINATION OF DIFFERENT STAPHYLOCOCCAL SPECIES ISOLATED FROM SONGBIRDS AND THEIR NESTBOXES

Bettina Kiss[1], Andrea Horváth[1], Orsolya **Dobay**[1]

1# Semmelweis University, Institute for Medical Microbiology

9:30 - 9:45

CLARIFYING AND DETAILING THE ROLES OF CFXA GENE VARIANTS IN B-LACTAM/ B-LACTAMASE INHIBITOR COMBINATION RESISTANCE OF *BACTEROIDES* ISOLATES

Danhui Heo[1], József Sóki[1]

1# Department of Medical Microbiology, Albert Szent-Györgyi Health Center, Albert Szent-Györgyi Medical School, University of Szeged

9:45 - 10:05

COMPARATIVE EVALUATION OF BIOFIRE® FILMARRAY® PANELS AND CONVENTIONAL CULTURE FOR RAPID MICROBIOLOGICAL DIAGNOSIS

Bence Balázs[1],László **Majoros**[1]

1# Department of Medical Microbiology, Faculty of Medicine, University of Debrecen

10:05 - 10:20

SELECTIVE AND CASCADE REPORTING OF ANTIMICROBIAL RESISTANCE IN CLINICAL SETTING

Bence **Balázs**[1], László Majoros[1]

1# Department of Medical Microbiology, Faculty of Medicine, University of Debrecen

10:30 - 10:45

APPLICATION OF RAMAN SPECTROSCOPY FOR PHENOTYPIC DIFFERENTIATION OF CARBAPENEM-RESISTANT *KLEBSIELLA PNEUMONIAE*

Sajerli Bence[1], Sarkadi-Nagy Ágnes[1], Katona Gábor[1], Burián Katalin[1], Orosz László[1]
1# University of Szeged

10:45 - 11:05

MOLECULAR EPIDEMIOLOGY OF *M. TUBERCULOSIS* STRAINS USING OXFORD NANOPORE SEQUENCING

Viktória Szél, Lilla Lőrinczi
National Reference Laboratory for Mycobacteriology, ECDC Operational Contact Point for Microbiology – Tuberculosis, National Koranyi Institute for Pulmonology

11:05 - 11:20

PROBIOTIC ORIGINS AND ANTIFUNGAL RESISTANCE IN CLINICAL *SACCHAROMYCES CEREVISIAE* ISOLATES FROM A TERTIARY CLINICAL CENTER IN CENTRAL EUROPE

Andrea Harmath[1,2], Bálint Németh[3,4], László Majoros[1,5], István Pócsi[3], Valter Péter Pfliegler[3], Renátó Kovács[1,5]
1# Department of Medical Microbiology, Faculty of Medicine, University of Debrecen, Debrecen, Hungary; 2# Doctoral School of Pharmaceutical Sciences, University of Debrecen, Debrecen, Hungary; 3# Department of Molecular Biotechnology and Microbiology, University of Debrecen, Debrecen, Hungary; 4# Doctoral School of Nutrition and Food Sciensec, University of Debrecen, Debrecen, Hungary; 5# Medical Microbiology, Clinical Centre, University of Debrecen, Debrecen, Hungary

11:20 - 11:35

SPECIES DISTRIBUTION AND RISK FACTORS OF NON-ALBICANS CANDIDAEMIA IN A HUNGARIAN TERTIARY CARE CENTRE

Kovács Renátó[1,2], Harmath Andrea[1,3], Kovács Fruzsina[1,2,3], Balla Noémi[1,2,3], Jakab Ágnes[1,2], Majoros László[1,2], Tóth Zoltán[1,2]
1# Department of Medical Microbiology, Faculty of Medicine, University of Debrecen, 4032 Debrecen, Hungary; 2# Medical Microbiology, Clinical Centre, University of Debrecen, 4032 Debrecen, Hungary; 3# Doctoral School of Pharmaceutical Sciences, University of Debrecen, 4032 Debrecen, Hungary

Environmental Microbiology and Biotechnology – Session II.

Chairpersons: Balázs Vajna-Ferenczy and Erzsébet Baka

9:00 - 9:15

COMPREHENSIVE ANALYSIS OF ZEARALENONE EXPOSURE AND ITS MOLECULAR EFFECTS IN *RHODOCOCCUS PYRIDINIVORANS* K404

Renáta **Ábrahám**[1], Mátyás Cserháti[1], Csilla Sörös[2], Zsolt Csenki-Bakos[3], Cintia Bartucz[3], Péter Urbán[4], Bence Gálik[4], József Kun[4], Judit Háhn[5], Balázs Kriszt[5], Erzsébet Baka[1], András Táncsics[1]

1# Department of Molecular Ecology; Institute of Aquaculture and Environmental Safety, Hungarian University of Agriculture and Life Sciences, Gödöllő; 2# Department of Food Chemistry and Analytical Chemistry, Institute of Food Science and Technology, Hungarian University of Agriculture and Life Sciences, Budapest; 3# Department of Environmental Toxicology; Institute of Aquaculture and Environmental Safety, Hungarian University of Agriculture and Life Sciences, Gödöllő; 4# Szentágothai Research Centre, University of Pécs, Pécs; 5# Department of Environmental Safety; Institute of Aquaculture and Environmental Safety, Hungarian University of Agriculture and Life Sciences, Gödöllő

9:15 - 9:30

NEW BIOLOGICAL SOLUTIONS BY THE APPLICATION OF BIOACTIVE PEPTAIBOLS

Dóra **Balázs**[1], Tamás Marik[1], Chetna Tyagi[1], Ákos Rozsnyói[1,2], Gergő Terna[1,2], Fanni Kovács[1,2], András Szekeres[1], Csaba Vágvölgyi[1], Tamás Papp[1], László Kredics[1]

1# Department of Biotechnology and Microbiology, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary; 2# Doctoral School of Biology, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary

9:30 - 9:45

UPGRADING SPENT OYSTER MUSHROOM SUBSTRATE FOR POTENTIAL SOIL BIOREMEDIATION: EFFECTS OF POST-HARVEST TREATMENTS

Csaba László **Maller**[1], Lóránt Hatvani[2], Adrienn Nagy[2], Sebastian Pitzschke[3], Tobias Krebs[3], Balázs Vajna[1]

1# Department of Microbiology, Eötvös Loránd University, Pázmány Péter sétány 1/C, 1117 Budapest, Hungary,; 2# Pilze-Nagy Ltd., Talfája tanya 47/B, H-6000 Kecskemét, Hungary; 3# ERGO Umweltinstitut GmbH., Lauensteiner Straße 42, 01277 Dresden, Germany

9:45 - 10:00

QUORUM SENSING AND BIOFILM FORMATION: DUAL DRIVERS OF VIRULENCE IN *PHAEOMONIELLA CHLAMYDOSPORA*

Ádám **Novák**[1], Nikolett Molnár[1], Adrienn Gomba-Tóth[1], Dóra Szabó[1], Zoltán Váczy Kálmán[1], Zoltán Karácsony[1]

1# Food Science and Oenology Knowledge Centre, Eszterházy Károly Catholic University, Eger, Hungary

10:00 - 10:15

IN THE SHADOW OF THE SOLAR FLARE: A STUDY OF ANTIOXIDANT PROTECTION DURING LOW-INTENSITY, SHORT-DURATION PROTON IRRADIATION IN *ASPERGILLUS NIDULANS*

Ildikó **Víg**[1], Máté Szarka[1,2], András Fenyvesi[1], Barnabás Gila[3], Károly Antal[4], Zita Szikszai[1], István Pócsi[3,5], Tamás Emri[3,5]

1# HUN-REN Institute for Nuclear Research (HUN-REN ATOMKI), 4026 Debrecen, Hungary; 2# Vitrolink Ltd., 4033 Debrecen, Hungary; 3# Department of Molecular Biotechnology and Microbiology, University of Debrecen, 4032 Debrecen, Hungary; 4# Department of Zoology, Eszterházy Károly Catholic University, 3300 Eger, Hungary; 5# HUN-REN–UD Fungal Stress Biology Research Group, 4032 Debrecen, Hungary

Agricultural and Food Microbiology– Session I.

Chairpersons: Pusztahelyi, Tünde and Csilla Szebenyi

10:45 - 11:00

CHARACTERISATION OF ENDEMIC ASPERGILLUS FLAVUS STRAINS IN IN VITRO AND MICROPLOT FIELD EXPERIMENTS

Pusztahelyi, Tünde[1], Kovács, Szilvia[1], Mwalungha, Heltan, M.[2], Molnár, Krisztina[3], Dobos, Attila[3], Pfliegler, Valter[4], Pócsi, István[4]

1# Food and Environmental Toxicology Research Group, Central Laboratory of Agricultural and Food Products, Faculty of Agricultural and Food Sciences and Environmental Management, University of Debrecen, Debrecen; 2# Doctoral School of Food Science and Nutrition, Faculty of Agricultural and Food Sciences and Environmental Management, University of Debrecen, Debrecen; 3# Centre for Precision Farming R&D Services, Faculty of Agricultural and Food Sciences and Environmental Management, University of Debrecen; 4# Department of Molecular Biotechnology and Microbiology, Institute of Biotechnology, Faculty of Science and Technology, University of Debrecen, Debrecen

11:00 - 11:15

AWARD-WINNING WINES MADE WITH INTERSPECIFIC SACCHAROMYCES YEASTS

Antunovics Zsuzsa[1], Kállai Zoltán[1], Sipiczki Mátyás[1]

1# University of Debrecen

11:15 - 11:30

COMPARISON OF THE CORE MICROBIOME AND INDICATOR SPECIES OF VINEYARDS AND SURROUNDING ROSACEAE FRUIT SPECIES

Lepres Luca Annamária[1,2], Molnár Anna[1], Geiger Adrienn[1,3], Váczy Kálmán Zoltán[1], Geml József[3]

1# Food and Wine Research Centre, Eszterházy Károly Catholic University; 2# Doctoral School of Environmental Sciences, Hungarian University of Agriculture and Life Sciences; 3# HUN-REN-EKKE Lendület Environmental Microbiome Research Group, Eszterházy Károly Catholic University

11:30 - 11:45

DROUGHT SHAPES FUNGAL COMMUNITIES OF GRAPEVINE LEAVES IN THE EGER WINE REGION

Anna Molnár[1,2], Zsolt Zsófi[3], Luca Annamária Lepres[1,2,4], Adrienn Geiger[1,2], Szabolcs Villangó[3], Adrienn Mária Tóth[3], Xénia Pálfi[1], Miklós Lovas[1], Nóra Bakos-Barczi[1], Richárd Nagy[1], Glodia Kgobe[2,4], Carla Mota Leal[2,4], György Lőrincz[3], Kálmán Zoltán Váczy[1], József Geml[1,2]

1# Research and Development Center, Eszterházy Károly Catholic University, Leányka u. 8, Eger 3300, Hungary; 2# Environmental Microbiome Research Group, Eszterházy Károly Catholic University, Leányka u. 8, Eger 3300, Hungary; 3# Institute for Viticulture and Enology, Faculty of Natural Sciences, Eszterházy Károly Catholic University, Leányka u. 14, 3300 Eger, Hungary; 4# Doctoral School of Environmental Sciences, Hungarian University of Agricultural and Life Sciences, Páter K. u. 1, 2100 Gödöllő, Hungary

11:45 - 12:00

BACTERIOPHAGES AND BLACK ROT OF BRASSICAS: TOWARDS ALTERNATIVE CONTROL STRATEGIES

Aljoša **Beber**[1], Janja Lamovšek[1], Irena Mavrič Pleško[1]

1# Agricultural institute of Slovenia, Plant protection department, Hacquetova ulica 17, 1000 Ljubljana, Slovenia

12:00 - 12:15

CAN PHOTOSYNTHETIC GREEN MICROALGAL CULTURES HELP REDUCE THE NEGATIVE EFFECTS OF SALT STRESS ON PLANTS?

Helga Fanni **Schubert**[1,2], József Kutasi[2], Tamás Felföldi[3,4], Katalin Solymosi[1]

1# Department of Plant Anatomy, ELTE Eötvös Loránd University, Budapest, Hungary; 2# Holoferm Kft., Kerecsend, Hungary; 3# Department of Microbiology, ELTE Eötvös Loránd University, Budapest, Hungary; 4# Institute of Aquatic Ecology, HUN-REN Centre for Ecological Research, Budapest, Hungary

Virology– Session I.

Chairpersons: Urška Jamnikar-Ciglenečki and Tatjana Vilibić-Čavlek

13:00 - 13:25

FOODBORNE VIRUSES: EMERGING CHALLENGES IN FOOD SAFETY

Urška **Jamnikar-Ciglenečki**[1]

1# Institute of Food Safety, Feed and Environment, Veterinary Faculty University of Ljubljana

13:25 - 13:40

HEPATITIS A VIRUS INFECTIONS WITH GENETICALLY RELATED STRAINS IN FOUR NEIGHBORING COUNTRIES

Ágnes **Dencs**[1], Andrea Hettmann[1], Ágnes Barna-Lázár[1], Zsuzsanna Molnár[1], Emese Kozma[1], Erzsébet Barcsay[1]

1# National Center for Public Health and Pharmacy

13:40 - 14:00

HEPATITIS E VIRUS TIMELY DETECTION IN THE TERTIARY CARE ACADEMIC HOSPITAL AT THE UNIVERSITY OF DEBRECEN

Eszter Gyöngyösi[1], Brigitta László[1], Anita Szalmás[1], György Veress[1], Eszter Csoma[1], József Kónya[1]

1# Department of Medical Microbiology, Faculty of Medicine, University of Debrecen

14:00 - 14:25

TEMPORAL, SPATIAL AND AGE-RELATED TRENDS OF CYTOMEGALOVIRUS SEROPREVALENCE IN CHILDBEARING-AGED WOMEN IN CROATIA

Tatjana **Vilibić-Čavlek** [1,2], Klara Barbić [3], Tadej Ježek [2], Ljiljana Milašinčić [1], Ljiljana Antolašić [1], Sara Glavaš [1], Marta Batur [1], Ana Sanković [4], Maja Bogdanić [1,2]

1 Department of Virology, Croatian Institute of Public Health, Zagreb, Croatia, 2 School of Medicine, University of Zagreb, Zagreb, Croatia, 3 Statistics Concentrator, Harvard University, Cambridge, MA, USA, 4 Department of Microbiology, University of Applied Health Sciences, Zagreb, Croatia

14.25 – 14.40

WASTEWATER-BASED EPIDEMIOLOGICAL SURVEILLANCE OF RESPIRATORY PATHOGENS

Balázs **Seres**[1], Boglárka Pollák[1], Ábel Németh[1], Eszter Róka[1], Bernadett Khayer[1], Györgyné Lénárt[1], Bálint Izsák[1], Renáta Szolga[1], Mártha Vargha[1]

1# National Centre for Public Health and Pharmacy

Mycology & Industrial Microbiology– Session I.

Chairpersons: István Molnár and István Pócsi

13:30 - 13:55

BIOCOLORS - SYNTHETIC BIOLOGY TO PRODUCE *CORTINARIUS* ANTHRAQUINONE PIGMENTS

Istvan **Molnar**[1,2], Pradhuman Jetha[1], Dominik Mojzita[1], Hannu Maaheimo[1], Gopal Peddinti[1], Mervi Toivari[1], Merja Penttila[1]

1# VTT Technical Research Centre of Finland; 2# The University of Arizona

13:55 - 14:10

THE BZIP-TYPE TRANSCRIPTION FACTOR ATFA ORCHESTRATES KEY CELLULAR PROCESSES DURING ASEXUAL DEVELOPMENT IN *ASPERGILLUS NIDULANS*

Pócsi **István**[1,2], Márton Miskei[1], Sandugash Ibragimova[1], Beatrix Kocsis[1], Tibor Nagy[3], Hee-Soo Park[4], Tamás Emri[1,2], Jae-Hyuk Yu[5], Éva Leiter[1,2]

1# HUN-REN-UD Fungal Stress Biology Research Group, Debrecen, Hungary; 2# Department of Molecular Biotechnology and Microbiology, Institute of Biotechnology, Faculty of Science and Technology, University of Debrecen, Debrecen, Hungary; 3# Department of Applied Chemistry, Institute of Chemistry, Faculty of Science and Technology, University of Debrecen, Debrecen, Hungary; 4# School of Food Science and Biotechnology, Kyungpook National University, Daegu, Republic of Korea; 5# Department of Bacteriology, University of Wisconsin-Madison, Madison, Wisconsin, USA

14:10 - 14:25

BZIP-TYPE TRANSCRIPTION FACTORS IN *ASPERGILLUS FLAVUS* AND *FUSARIUM VERTICILLIOIDES*

Mondok Ágnes Kata[1], Harapkó Dóra[1], Umair Kamal Kahn[1], Dancs András[1], Leiter Éva[1,2], Pócsi István[1,2], Boros Bence[1]

1# Debreceni Egyetem; 2# HUN-REN-DE Gomba Stresszbiológiai Kutatócsoport

14:25 - 14:40

PHYLOGENOMICS AND TAXOGENOMICS IN YEAST RESEARCH

Sipiczki Mátyás[1]

1# Department Of Genetics and Applied Microbiology

14:40 - 14:55

SYNERGISTIC ANTIFUNGAL ACTIVITY OF CASPOFUNGIN AND POSACONAZOLE AGAINST *CANDIDA AURIS* BIOFILMS

Fruzsina Kovács[1,2,3], Andrea Harmath[1,2,3], Noémi Balla[1,2,3], Dávid Balázsi[1,2,3], Renátó Kovács[1,2,3], Ágnes Jakab[1,2,3]

1# Medical Microbiology; 2# Clinical Centre; 3# University of Debrecen

14:55 - 15:10

SPECIES DISTRIBUTION AND ANTIMICROBIAL SUSCEPTIBILITY OF DERMATOPHYTES ISOLATED AT THE UNIVERSITY OF DEBRECEN

Maryanne Guchu[1], Bálint Farkas[1,2,3], Ágnes Jakab[1,2], Renátó Kovács[1,2], László Majoros[1,2], Zoltán Tóth[1,2]

1, Department of Medical Microbiology, Faculty of Medicine, University of Debrecen, 2, Medical Microbiology, Clinical Centre, University of Debrecen 3, Doctoral School of Pharmaceutical Sciences, University of Debrecen

Virology– Session II.

Chairpersons: Sunčanica Ljubin-Sternak and Eszter Gyöngyösi

15:00 - 15:25

RESPIRATORY VIRAL INFECTIONS IN HOSPITALIZED CHILDREN IN CROATIA: A PRE-PANDEMIC STUDY

Sunčanica **Ljubin-Sternak**[1]

1# Teaching Institute of Public Health "Dr. Andrija Štampar"

15:25 - 15:40

CORRELATING MORTALITY PEAKS WITH RESPIRATORY VIRUS EMERGENCE: A BLUEPRINT FOR IDENTIFYING HISTORICAL PANDEMICS

Bazarragchaa Anu[1,2], Zsichla Levente[1,2], Lemey Philippe[3], Ferenci Tamás[4,2], Mokos Judit[1,2], Müller Viktor[1,2]

1# Eötvös Loránd University, Budapest, Hungary; 2# National Laboratory for Health Security, Budapest, Hungary; 3# KU Leuven, Leuven, Belgium; 4# Óbuda University, Budapest, Hungary

15:40 - 15:55

EVALUATING ENTEROVIRUS DIVERSITY AMONG SYMPTOMATIC PATIENTS IN HUNGARY DURING AND AFTER EASING THE COVID-19 LOCKDOWN

Nóra **Deézsi-Magyar**[1], Gyula Zsidei[1], Norbert Kiss[1], Bereniké Novák[1], Marianna Mezősi-Csaplár[1], Katalin Réka Tarcsai[1], Adrienne Lukács[1], Erzsébet Barcsay[1], Katalin Szomor[1], Mária Takács[1,2]

1# Department of Microbiological Reference Laboratories, National Center for Public Health and Pharmacy, 1097 Budapest, Hungary; 2# Institute of Medical Microbiology, Semmelweis University, 1089 Budapest, Hungary

15:55 - 16:10

SURVEILLANCE OF SWINE CORONAVIRUSES IN HUNGARY

Dóra **Máté**[1], Eszter Kaszab[1,2,3], Barbara Igriczi[4], Gyula Balka[4], Enikő Fehér[1,2,5]

1# Department of Microbiology and Infectious Diseases, University of Veterinary Medicine Budapest, Hungária krt. 23-25, H-1143 Budapest, Hungary; 2# National Laboratory for Infectious Animal Diseases, Antimicrobial Resistance, Veterinary Public Health and Food Chain Safety, István utca 2, H-1078 Budapest, Hungary; 3# One Health Institute, Faculty of Health Sciences, University of Debrecen, Nagyerdei krt. 98, H-4032 Debrecen, Hungary; 4# Department of Pathology, University of Veterinary Medicine Budapest, István utca 2, H-1078 Budapest, Hungary; 5# National Laboratory of Virology, Szentágothai Research Centre, University of Pécs, Ifjúság útja 20, H-7624 Pécs, Hungary

16:10 - 16:25

PHYLOGENETIC ANALYSIS OF SEQUENCE VARIANTS OF HUMAN PAPILLOMAVIRUS 52

Eszter **Gyöngyösi**[1], Edina Balázs[1], Brigitta László[1], Anita Szalmás[1], József Kónya[1], György Veress[1]

1# Department of Medical Microbiology, Faculty of Medicine, University of Debrecen

16:25 - 16:40

HANTAVIRUS INFECTIONS IN HUNGARY BETWEEN 2018 AND 2025

Anita **Koroknai**[1], Anna Nagy[1], Orsolya Nagy[1,2], Nikolett Csonka[1], Katalin Szomor[1], Mária Takács[1,2]

1# Department of Virology, Division of Microbiological Reference Laboratories, National Center for Public Health and Pharmacy, Budapest, Hungary; 2# Institute of Medical Microbiology, Semmelweis University, Budapest, Hungary

Agricultural and Food Microbiology– Session II.

Chairpersons: Martina Šeruga Musić and László Kredics

16:00 - 16:25

DECIPHERING A VERSATILE PATHOGEN: QUEST FOR EFFECTORS AND POTENTIAL MOBILE UNITES IN *'CANDIDATUS PHYTOPLASMA SOLANI'* GENOMES

Martina **Šeruga Musić**[1], Marina Drčelić[1], Bruno Polak[1], Nataša Bauer[1], Andreja Škiljaica[1], Shen-Chian Pei[2], Chih-Horng Kuo[2]

1# Department of Biology, Faculty of Science, University of Zagreb, Zagreb, Croatia; 2# Institute of Plant and Microbial Biology, Academia Sinica, Taipei, Taiwan

16:25 - 16:40

THE IN VITRO INTERACTION OF DEFERIPRONE WITH ANTIFUNGAL AGENTS AGAINST *C. AURIS*

Zoltán **Tóth**[1,2], Bálint Farkas[1,2,3], Ágnes Jakab[1,2], László Majoros[1,2], Renátó Kovács[1,2]

1# Department of Medical Microbiology, Faculty of Medicine, University of Debrecen; 2# Medical Microbiology, Clinical Centre, University of Debrecen; 3# Doctoral School of Pharmaceutical Sciences, University of Debrecen

16:40 - 16:55

EVALUATING THE POTENTIAL OF PGPR STRAINS TO ENHANCE GROWTH AND DROUGHT TOLERANCE IN TOMATO AND MAIZE UNDER CONTROLLED AND FIELD CONDITIONS

Ines **Amara**[1], Milán Farkas[1], Neveen Majdi Almalkawi[1], Márton Pápai[1], Dalma Márton[1], Gergely Maróti[2,3], Katalin Tajti[2], Roland Wirth[2,4], Sándor Takács[5], Hussein Daood[5], Mátyás Cserháti[1], András Tancsics[1], Balázs Kriszt[6]

1# Department of Molecular Ecology, Institute of Aquaculture and Environmental Safety, Hungarian University of Agriculture and Life Sciences, Gödöllő, Hungary; 2# Institute of Plant Biology, HUN-REN Biological Research Center, Szeged, Hungar; 3# Seqomics Biotechnology Ltd., Mórahalom, Hungary; 4# Department of Biotechnology and Microbiology, University of Szeged, Szeged, Hungary; 5# Food Analysis Laboratories-Institute of Horticultural Sciences, Hungarian University of Agriculture and Life Sciences, Gödöllő, Hungary; 6# Department of Environmental Safety, Institute of Aquaculture and Environmental Safety, Hungarian University of Agriculture and Life Sciences, Gödöllő, Hungary

16:55 - 17:10

CONSORTIUM-BASED MICROBIAL INOCULANTS FOR CLIMATE-RESILIENT AGRICULTURE IN TEMPERATE CROPPING SYSTEMS

Orsolya **Kedves**[1], Katalin Perei[1], Nóra Tünde Lange-Enyedi[2], Simang Champramary[2], Boris Indic[2], Árpád Bányi[3], Younes Rezaee Danesh[4], Solmaz Najafi[5], Csaba Vágvölgyi[1], György Sipos[2], László Kredics[1]

1# Department of Biotechnology and Microbiology, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary; 2# Functional Genomics and Bioinformatics Group, Faculty of Forestry, University of Sopron, Hungary; 3# Pannon-Trade Ltd., Győr, Hungary; 4# Department of Plant Protection, Faculty of Agriculture, Van Yuzuncu Yil University, 65080, Van, Turkey; 5# Department of Field Crops, Faculty of Agriculture, Van Yuzuncu Yil University, 65080, Van, Turkey

17:10 - 17:25

SUSTAINABLE YIELD IMPROVEMENT IN LEGUMES USING BENEFICIAL MICROORGANISMS

Szilárd Kovács[1], Ágota. Domonkos[2], Sándor Jenei[1], Beatrix Horváth[2], Bilgun Tsenddorj[1], Gergely. Maróti[1], László. Szilák[3], Bettina. Ughy[1], Rózsa Máté[4], Zsolt Bereczky[4], Ákos Juhász[2], Zoltan Mayer[2], Viktor Szentpéteri[2], Gabriella Endre[1], Katalin Posta[2], Péter **Kaló**[1,2]

1 Plant Biology Institute, HUN-REN Biological Research Center, Szeged, Hungary 2 Institute of Genetics and Biotechnology, Hungarian University of Agriculture and Life Sciences, Gödöllő, Hungary 3 Szilak Laboratories Bioinformatics and Molecule-Design Ltd., H-6724 Szeged, Hungary 4 BioFil Microbiological, Gene-technological and Biochemical Ltd, Budapest, Hungary

Mycology & Industrial Microbiology– Session II.

Chairpersons: Levente Karaffa and László Galgóczi

17:00 - 17:15

ALTERNATIVE RESPIRATORY PATHWAYS IN *ASPERGILLUS NIGER*: THEIR IMPACT ON CITRIC ACID FERMENTATION

Alexandra **Márton**[1], Vivien Bíró[1], Erzsébet Fekete[1], Máté Tóth[1], Adrain Tsang[2], Levente Karaffa[1]

1# University of Debrecen; 2# Concordia University

17:15 - 17:30

ELIMINATING MANGANESE SENSITIVITY AND BOOSTING CITRIC ACID PRODUCTION IN *ASPERGILLUS NIGER* THROUGH TRANSPORTERS MANIPULATION

Erzsébet Fekete[1], Alexandra Márton[1], Vivien Bíró[1], Adrian Tsang[2], Levente **Karaffa**[1]

1# University of Debrecen; 2# Concordia University

17:30 - 17:45

INVESTIGATION OF A RECOMBINANT B-GALACTOSIDASE FROM *RHIZOMUCOR PUSILLUS*

Dániel **Kovács**[1], Csaba Vágvölgyi[1], Tamás Papp[1,2], Miklós Takó[1], Gábor Nagy[3], Tamás Kovács[1]

1# Department of Biotechnology and Microbiology, Faculty of Science and Informatics, University of Szeged, Szeged, HUNGARY; 2# HUN-REN-SZTE Pathomechanisms of Fungal Infections Research Group, University of Szeged, Szeged, HUNGARY; 3# HUN-REN Szeged Biological Research Centre, Institute of Genetics, Szeged, Hungary

17:45 - 18:00

CLINICAL AND BANANA-ASSOCIATED *FUSARIUM MUSAE* UNDER ANTIFUNGAL PRESSURE

Marta **Kozarić**[1], Ida Ćurtović[1], Daniela Jakšić[1], Sanja Pleško[2], Marko Siroglavić[2], Zrinka Bošnjak[2], Maja Šegvić Klarić[1]

1# University of Zagreb Faculty of Pharmacy and Biochemistry, Zagreb, Croatia; 2# University Hospital Zagreb, Zagreb, Croatia

18:00 - 18:15

IN VIVO THERAPEUTIC EFFICACY OF SYNERGISTIC ANTIFUNGAL PEPTIDE–DRUG COMBINATIONS

John K Karemera[1,2], Györgyi Váradi[3], Gábor Bende[1,2,4], Richárd Merber[1,2], Gábor K. Tóth[3], László Galgóczy[1]

1# Department of Biotechnology and Microbiology, Faculty of Science and Informatics, University of Szeged; 2# Doctoral School of Biology, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary; 3# Department of Medical Chemistry, Albert Szent-Györgyi Medical School, University of Szeged, Szeged, Hungary; 4# Department of Theoretical Health Sciences and Health Management, Faculty of Health Sciences and Social Studies, University of Szeged, Szeged, Hungary

18:15 - 18:30

UTILIZATION OF BETULINIC ACID IN A SYNERGISTIC COMBINATION WITH AMPHOTERICIN B AGAINST CLINICALLY IMPORTANT FUNGI

Bence Rafael[1,2], Mónika Homa[1,2], Csilla Szebenyi[1,2], Anna Molnár[1,2], Csaba Vágvölgyi[1,2], Chetna Tyagi[1], Tamás Papp[1,2]

1# University of Szeged, Faculty of Science and Informatics, Department of Biotechnology and Microbiology, Szeged, Hungary; 2# HUN-REN-SZTE Fungal Pathomechanisms Research Group, University of Szeged, Szeged, Hungary

18:30 - 18:45

NOVEL VIABILITY ASSAY REVEALS DIFFERENCES IN FUNGICIDE SENSITIVITY OF ROOT ENDOPHYTIC FUNGI ORIGINATING FROM FUNGICIDE-EXPOSED AND NON-EXPOSED HABITATS

Fruzsina Matolcsi[1,2], Petra Lengyel[2], Herczeg Gábor[3,4], Péter Sasvári[5], Szilvia Bősze[6,7], Kiss Roland[2], Árendás Tamás[8], Imrefi Ildikó[2], Márk Z. Németh[1,2], Alexandra Pintye[1,2], Gábor M. Kovács[1,2,3]

1 Department of Plant Pathology, Plant Protection Institute, Centre for Agricultural Research, HUN-REN, Budapest, Hungary 2 Department of Plant Anatomy, Institute of Biology, Eötvös Loránd University, Budapest, Hungary 3 HUN-REN-ELTE-MTM Integrative Ecology Research Group, Budapest, Hungary 4 Department of Systematic Zoology and Ecology, Institute of Biology, Eötvös Loránd University, Budapest, Hungary 5 Department of Forest Mycology and Plant Pathology, Swedish University of Agricultural Sciences, Uppsala, Sweden 6 HUN-REN-ELTE Research Group of Peptide Chemistry, Budapest, Hungary 7 Department of Genetics, Cell- and Immunobiology, Semmelweis University, Budapest, Hungary 8 Department of Crop Production, Agricultural Institute, Centre for Agricultural Research, HUN-REN, Budapest, Hungary

Virology– Session III.

Chairpersons: Ljubo Barbić and Károly Nagy

9:30 - 9:55

CLIMATIC PREDICTORS AS EARLY WARNING SIGNALS FOR WEST NILE VIRUS OUTBREAKS

Ljubo Barbić[1], Maja Maurić Maljković[1], Ivan Levar[1], Ivona Ćorić[1], Gorana Miletić[1], Tatjana Vilibić-Čavlek[2,3], Maja Bogdanić[2,3], Vladimir Savić[4], Vladimir Stevanović[1]

1 Faculty of Veterinary Medicine, University of Zagreb 2 Croatian Institute of Public Health, Department of Virology 3 School of Medicine, University of Zagreb 4 Poultry Center, Croatian Veterinary Institute

9:55 - 10:10

CURRENT TRENDS IN HUMAN WEST NILE AND USUTU VIRUS INFECTIONS IN HUNGARY

Anna **Nagy**[1], Orsolya Nagy[1,2], Anita Koroknai[1], Nikolett Csonka[1], Zsuzsanna Molnár[1], Renáta Lőrincz[1], Katalin Szomor[1], Ezsébet Barcsay[1], Mária Takács[1,2]

1# National Center for Public Health and Pharmacy; 2# Institute of Medical Microbiology, Semmelweis University

10:10 - 10:25

WEST NILE VIRUS IN HUNGARY: A PHYLOGENETIC STUDY BASED ON INTEGRATED MOSQUITO AND HUMAN SURVEILLANCE

Kata **Kerényi**[1], János Sztikler[1], Zoltán Bódi[1], Orsolya Nagy[1,2], Anita Koroknai[1], Nikolett Csonka[1], Gábor Endre Tóth[3], Daniel Cadar[3], Károly Erdélyi[4,5,6], Anna Nagy[1]

1# National Center for Public Health and Pharmacy, Budapest; 2# Institute of Medical Microbiology, Semmelweis University; 3# Bernhard Nocht Institute for Tropical Medicine, Hamburg, Germany; 4# HUN-REN Veterinary Medical Research Institute, Budapest; 5# Department of Microbiology and Infectious Diseases, University of Veterinary Medicine Budapest; 6# Health Safety National Laboratory, Veterinary Medical Research Institute, Budapest

10:25 - 10:40

GENETIC AND SEROLOGICAL DIVERSITY OF RECENT FOWL ADENOVIRUS ISOLATES

Zalán G. **Homonnay**[1], Szilvia Jakab[2], Krisztina Bali[2,3], Eszter Kaszab[2,3], Erika Tóth[4], Krisztián Bányai[2,5,6], István Kiss[1], Tímea Tatár-Kis[1]

1# Scientific Support and Investigation Unit, Ceva-Phylaxia Ltd., Budapest, Hungary; 2# HUN-REN Veterinary Medical Research Institute, Budapest, Hungary; 3# Department of Microbiology and Infectious Diseases, University of Veterinary Medicine Budapest, Budapest, Hungary; 4# Department of Microbiology, Eötvös Loránd University, Budapest, Hungary; 5# Department of Pharmacology and Toxicology, University of Veterinary Medicine Budapest, Budapest, Hungary; 6# Molecular Medicine Research Group, Szentágothai Research Centre, University of Pécs, Hungary

10:40 - 11:05

MOLECULAR EPIDEMIOLOGY OF THE HIV-1 EPIDEMIC IN HUNGARY UNTIL 2024

Levente **Zsichla**[1,2], Lilla Adravecz[2,3], Dalma Müller[1,2,4], Botond Lakatos[5], János Szlávik[5], Éva Ay[2,3], Viktor Müller[1,2]

1# Institute of Biology, ELTE Eötvös Loránd University, Budapest, Hungary; 2# National Laboratory for Health Security, ELTE Eötvös Loránd University, Budapest, Hungary; 3# National Reference Laboratory for Retroviruses, Department of Virology, National Center for Public Health and Pharmacy, Budapest, Hungary; 4# Department of Bioinformatics, Semmelweis University, Budapest, Hungary; 5# Department of Infectology, Central Hospital of Southern Pest - Institute of Haematology and Infectious Diseases, Budapest, Hungary

11:05 - 11:20

SIGNIFICANCE OF HIV-1 CAPSID IN INITIATION OF INFECTION

Károly **Nagy**[1]

1# Semmelweis University, Budapest,Hungary

Agricultural and Food Microbiology – Session III.

Chairpersons: Balázs Vajna-Ferenczy and József Geml

9:30 - 9:45

MICROBIAL COMMUNITY COMPOSITION OF OYSTER MUSHROOM SUBSTRATE: IMPACTS OF NUCLEIC ACID ISOLATION AND SEQUENCING PLATFORMS

Balázs **Vajna**[1], Ármin Horváth[2], Ferenc Bánáti[2], Ágnes Nagy[3], Csaba László Maller[1]
1# Department of Microbiology, Eötvös Loránd University, Pázmány Péter sétány 1/C, H-1117 Budapest, Hungary; 2# CHH Technology Ltd., Körtefa u.4., H-9027 Győr, Hungary; 3# Hungarian Defence Forces, Medical Centre, Róbert Károly 44., H-1134 Budapest, Hungary

9:45 - 10:00

COMPOSITIONAL DYNAMICS OF FOREST PLANT PATHOGENIC FUNGI IN MOSSES, SEDGES, AND OAK TREES ALONG A DISTURBANCE GRADIENT

József **Geml**[1], Gabriella Fintha[2,1], Adrienn Geiger[1], Bence Kovács[3], Réka Aszalós[3], Flóra Tinya[3], Péter Ódor[3]
1# Environmental Microbiome Research Group, Eszterházy Károly Catholic University, Eger, Hungary; 2# Doctoral School of Biological Sciences, Hungarian University of Agricultural and Life Sciences, Gödöllő, Hungary; 3# Institute of Ecology and Botany, Centre for Ecological Research, Vácrátót, Hungary

10:00 - 10:15

INVESTIGATION OF THE MICROBIOLOGICAL EFFICIENCY OF POULTRY MANURE-BASED COMPOST TEA; METAGENOME ANALYSIS, AND IDENTIFICATION OF MICROORGANISMS THAT CAN BE CULTIVATED

László Attila Papp[1], Imre Boczonádi[2], Ida Miklós[1], Hajnalka **Csoma**[1]
1# University of Debrecen, Faculty of Science and Technology, Institute of Biotechnology, Department of Genetics and Applied Microbiology, Debrecen, Hungary; 2# University of Debrecen, Faculty of Agricultural and Food Sciences and Environmental Management, Institute of Water and Environmental Management, Department of Circular Economy and Environmental Technology, Debrecen, Hungary

10:15 - 10:30

RESPONSES OF ENDOPHYTIC COMMUNITIES IN PLANTS TO NUTRIENT CHANGES

Rong Sheng[1], Risheng Xua[1], Rujia Liao[1], Xiaohua Yang[1]
1# Institute of Subtropical Agriculture, Chinese Academy of Sciences, Changsha, China

10:30 - 10:45

SCREENING AND CHARACTERIZATION OF PROBIOTIC MICROORGANISMS IN THE NEMATODE CAENORHABDITIS ELEGANS

János **Barna**[1,2], Zalán Árpási[3], Viktor Vázsony Vincze[3], Helga Szalontai[2], Ildikó Bata-Vidács[2], Tibor Vellai[1,3], István Nagy[2], József Kukolya[2]

1# HUN-REN-ELTE Genetics Research Group, Department of Genetics, Eötvös Loránd University, Budapest, Hungary; 2# Food and Wine Research Institute, Eszterházy Károly Catholic University, Eger, Hungary; 3# Department of Genetics, Institute of Biology, Eötvös Loránd University, Budapest, Hungary

10:45 - 11:00

THE ANALYSIS AND IDENTIFICATION OF POTENTIAL PROBIOTIC CANDIDATES FROM COMMON CARP (CYPRINUS CARPIO) GUT AND GAMETES

Edit **KASZAB**[1], Milán FARKAS[1], Dávid VÁRKONYI[1], Balázs CSORBAI[1], Borbála NAGY[1], Péter HARKAI[1], Ifj. János RADÓCZI[2], Aygül EKİCİ[3], Menekşe Didem DEMİRCAN AKYASAN[3], Özgür ÇANAK[3], Julianna KOBOLÁK[1], Gergely BERNÁTH[1]

1# Institute of Aquaculture and Environmental Safety, Hungarian University of Agriculture and Life Science, H-2100 Gödöllő, Hungary; 2# Szabolcsi Halászati Ltd., H-4400 Nyíregyháza, Hungary; 3# Faculty of Aquatic Sciences, İstanbul University, 34134 İstanbul, Turkey

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