

PROGRAMME

of the

2nd Central European Forum for Microbiology (CEFORM)

Jointly organized by the

Hungarian Society for Microbiology

and the

Croatian Microbiological Society

Hotel Helikon, Keszthely, Hungary
October 7 - 9, 2009

Programme at a Glance

Tuesday, October 6	18.00 - 21.30	Registration
Wednesday, October 7	7.30 - 17.00	Registration
Conference Hall	10.30 - 11.00	Opening ceremony
	11.00 - 15.30	Manninger Memorial Session
Conference Hall	12.30 - 14.00	Lunch Break
	15.30 - 17.30	Plenary Session
	18.00	Gljivogljivice – Poem Hungarian premier
	19.30	CEFORM Banquet
Thursday, October 8	8.00 - 13.00	Registration
Room No. 1.	9.00 - 10.20	Session Virology I.
	14.00 - 15.25	ISTVAN - 2009
Room No. 2.	9.00 - 11.00	Session Bacteriology I.
	13.00 - 17.15	Session Mycology
Room No. 3.	9.00 - 12.30	Session Industrial Microbiology
Room Gulács	8.30 - 10.15	Session Food Microbiology
	10.45 - 12.50	Session Agricultural and Forest Microbiology
	14.00 - 16.05	Session Immunology and Parasitology
Poster Room	9.30 - 10.30	Immunology and Parasitology Posters
	10.45 - 12.00	Virology Posters
	13.00 - 14.00	Bacteriology Posters

	14.00 - 15.00	Environmental Microbiology Posters
Friday, October 9	8.00 - 12.00	Registration
Room No. 1.	9.00 - 10.20	Session Virology II.
	12.00	Closing Ceremony
Room No. 2.	9.00 - 12.00	Session Bacteriology II.
Room Gulács	8.00 - 11.45	Session Environmental Microbiology
Poster Room	8.30 - 9.30	Agricultural and Food Microbiology Posters
	9.30 - 10.30	Mycology Posters
	10.30 - 11.00	Industrial Microbiology Posters

Detailed Programme

Wednesday, October 7

Conference Hall

10.30

Opening Ceremony

Welcome addresses of

János MINÁROVITS

President of the Hungarian Society for Microbiology

Danko HAJSIG

President of the Croatian Microbiological Society

11.00 - 15.30

Manninger Memorial Session

Chairpersons: Danko HAJSIG and János MINÁROVITS

Manninger Lectures

11.00 - 11.30

JUDIT DEÁK

Molecular genetic methods in clinical microbiology

Department of Clinical Microbiology, University of Szeged, Szeged, Hungary

11.30 - 12.00

J. RAJCÁNI

Murid herpesvirus 4 (MUHV 4): Story of the mouse Gammaherpesvirus modelling EBV infection

Institute of Virology, Slovak Academy of Sciences, Bratislava, Slovak Republic

Darwin Memorial Lecture

12.00 - 12.30

L. PATTHY

Evolution in the light of genome projects

Institute of Enzymology, Biological Research Center, Hungarian Academy of Sciences, Budapest, Hungary

12.30 - 14.00

Lunch Break

- 14.00 - 15.00 **Manninger Memorial Session - Continued**
Chairpersons: János MINÁROVITS, Károly MÁRIALIGETI
- 14.00 - 14.30 *Inaugural Lectures by Honorary Members of the Hungarian Society for Microbiology*
H.-P. KLENK
A Genomic Encyclopedia for Bacteria and Archaea
Department of Microbiology, German Collection of Microorganisms and Cell cultures, Braunschweig, Germany
- 14.30 - 15.00 GEORGE. A. SOMKUTI
Biotechnology of *Streptococcus thermophilus* - potential for food and non-food applications
Eastern Regional Research Center, US Department of Agriculture, Wyndmoor, PA, USA
- 15.00 - 15.30 *Coffee Break*
- 15.30 - 17.30 **Plenary Session**
Chairpersons: Danko HAJSIG and János MINÁROVITS
- 15.30 - 16.00 *B. HARRACH, MÁRIA BENKŐ
On the origin of (virus) species by means of natural selection
Veterinary Medical Research Institute, Hungarian Academy of Sciences, Budapest, Hungary
- 16.00 - 16.30 *V. SAVIC, MIRTA BALENOVIC
Molecular epidemiology of very virulent Infectious Bursal Disease viruses in Croatia
Poultry Centre, Croatian Veterinary Institute, Zagreb, Croatia
- 16.30 - 17.00 GORDANA MARAVIĆ VLAHOVIČEK
Molecular evolution of antibiotic resistance determinants
Department of Biochemistry and Molecular Biology, Faculty of Pharmacy and Biochemistry, University of Zagreb, Zagreb, Croatia
- 17.00 - 17.30 VEDRAN LUCIĆ, MAŠA ROLLER, TINA PERICA,
*KRISTIAN VLAHOVIČEK
Codon usage at the level of microbial communities
Bioinformatics Group, Department of Molecular Biology, Division of

Biology, Faculty of Science, University of Zagreb, Zagreb, Croatia

17.30 - 18.00

Coffee Break

18.00 - 18.30

Gljivogljivice - Fungus, Fungsling

(Hungarian premier)

Poem - performed by members of the Croatian Microbiological Society

Music and text: Prof. Dr. Stjepan Pepeljnjak, Head of the Department of Microbiology, Faculty of Pharmacy and Biochemistry, University of Zagreb

19.30

CEFARM Banquet at the Festetich Castle

Thursday, October 8

Room No. 1.

9.00 - 10.20 Session Virology - Persistent Viruses

Chairpersons: József Kónya and Károly Nagy

9.00 - 9.20

VL-1

*SUNCANICA LJUBIN-STERNAK¹, JASNA CEPIN-BOGOVIC², ANA BACE³, MAJA SANTAK⁴, GORDANA VOJNOVIC¹, GORDANA MLINARIC-GALINOVIC¹

Human metapneumovirus infection in Croatia

¹Department of Virology, Croatian National Institute of Public Health; ²University Children's Hospital Zagreb; ³University Hospital for Infectious Diseases; ⁴Molecular Biomedicine Unit, Institute of Immunology, University of Zagreb, Zagreb, Croatia

9.20 - 9.35

VL-2

*SZILVIA KANIZSAI¹, E. JUHÁSZ¹, Á. GHIDÁN¹, J. ARADI², K. NAGY¹

Antiretroviral effect of poly-thyolated compounds as HIV entry inhibitors

¹Institute of Medical Microbiology, Semmelweis University, Budapest; ²Department of Biochemistry, University of Debrecen, Debrecen, Hungary

9.35 - 9.50

VL-3

*ÁGNES GUDICS¹, ESZTER SOMOGYI¹, L. MOLNÁR¹, D. DE FORNÍ², F. LORÍ², JULIANNA LISZIEWICZ¹

ANTIGENeering of plasmid DNA vaccines

¹Genetic Immunity Ltd., Budapest, Hungary, and Mclean, Virginia, USA; ²Virostatics srl, Sassari, Italy

9.50 - 10.05

VL-4

*ÁGNES DENCS¹, ANDREA HETTMANN¹, MÁRIA SZÜCS², ERZSÉBET RUSVAI¹, MÁRIA TAKÁCS¹

Molecular investigation of nosocomial hepatitis C virus outbreaks in Hungary

¹Division of Virology, National Center for Epidemiology, Budapest; ²Department of Epidemiology, National Public Health and Medical Officer Service, Pécs, Hungary

- 10.05 - 10.20 VL-5
*ESZTER CSOMA¹, BEÁTA MÉSZÁROS¹, L. ASZTALOS², L. GERGELY¹
Human herpesvirus 6 infection in renal transplanted patients
¹Institute of Medical Microbiology; ²Institute of Surgery, University of Debrecen, Debrecen, Hungary
- 10.20 - 14.00 *Lunch break*
- 14.00 - 15.25 **International Symposium on Transforming Viruses and Neoplasia - ISTVAN 2009**
Chairpersons: Julius RAJCANI and János MINÁROVITS
- 14.00 - 14.20 ISTVAN-1
*J. RAJCANI¹, M. BENCAT²
The predictive value of p16/INK4 protein staining for cervical dysplasias associated with human papillomavirus (HPV) infection.
¹Institute of Virology, SAS, Bratislava; ²Department of Pathology, Alpha Medical a.s., Martin, Slovak Republic
- 14.20 - 14.40 ISTVAN-2
*K. NAGY¹, SZILVIA KANIZSAI¹, ESZTER UJHELYI², D. BÁNHEGYI², Á. GHIDÁN¹
Monitoring of drug resistant HIV in Hungary
¹Institute of Medical Microbiology, Semmelweis University; ²St. László Hospital, Budapest, Hungary
- 14.40 - 14.55 ISTVAN-3
*KRISZTINA BUZÁS, J. J. OPPENHEIM, O. M. ZACK HOWARD
Myeloid cells stimulated by melanoma antigens express the anticancer cytokine IL-24 and migrate in response to IL-24
Laboratory of Molecular Immunoregulation, Cancer and Inflammation Program, Center for Cancer Research, National Cancer Institute-Frederick, NIH, Frederick, USA
- 14.55 - 15.10 ISTVAN-4
*Z. BÁTHORI¹, F. BÁNÁTI², ANITA KOROKNAI², K. SZENTHE³, IRENE JOAB⁴, J. MINÁROVITS²
Epigenotyping of latent Epstein-Barr virus episomes in

breast carcinoma cell lines

¹GalenBio Mezőgazdasági Szolgáltató Kft.; ²Microbiological Research Group, National Center for Epidemiology; ³Department of Immunology, Eötvös Loránd University, Budapest Hungary; ⁴UMR542 Inserm-Université, Hôpital Paul Brousse, Paris, France

15.10 - 15.25

ISTVAN-5

*F. BÁNÁTI¹, T. TEREH¹, ANITA KOROKNAI¹, NÓRA KOVÁCS¹, ZS. RUZSICS², F. LEMNITZER², J. MINÁROVITS¹

Epigenetic regulation of lamin A/C promoter in cell lines carrying latent Epstein-Barr virus genomes

¹Microbiological Research Group, National Center for Epidemiology, Budapest, Hungary; ²Max von Pettenkofer-Institute, Ludwig Maximilians-University Munich, Munich, Germany

Thursday, October 8

Room No. 2.

9.00 - 11.00 **Session Bacteriology I.**

Chairpersons: Levente EMŐDY and István TÓTH

9.00 - 9.15

BL-1

*L. EMŐDY^{1, 2}, Z. TIGYI¹, WIBKE GÄHRS³, J. MAKOVITZKY⁴

Applicability of topo-optical reactions in microbiology

¹Department of Medical Microbiology and Immunology, University Medical School, Pécs; ²Veterinary Medical Research Institute, Hungarian Academy of Sciences, Budapest, Hungary; ³Department of Gynecology, University of Rostock, Germany; ⁴Department of Neuropathology, University of Heidelberg, Germany

9.15 - 9.30

BL-2

*Z. TIGYI¹, L. PÓTÓ², ÉVA SZENTKIRÁLYI¹, L. EMŐDY¹

Investigation of the distribution of virulence-associated genes in *Klebsiella* species from urinary tract and blood stream infections

¹Department of Medical Microbiology and Immunology; ²Institute of Bioanalysis, Faculty of Medicine, University of Pécs, Pécs, Hungary

9.30 - 9.45

BL-3

*ANNAMÁRIA SZMOLKA¹, B. LIBISCH², JUDIT PÁSZTI², M. FÜZI², L. EMŐDY^{1,3}, B. NAGY¹

Virulence and antimicrobial resistance determinants of human pathogenic and commensal strains of *Pseudomonas aeruginosa*

¹Veterinary Medical Research Institute, Hungarian Academy of Sciences; ²National Center for Epidemiology, Budapest; ³Department of Medical Microbiology and Immunology, University of Pécs, Pécs, Hungary

9.45 - 10.00

BL-4

*ÉVA HELL¹, C. G. GISKE², ANNIKA NELSON¹, U. RÖMLING², G. MARCHINI¹

Human cathelicidin peptide LL37 inhibits both

**attachment capability and biofilm formation of
*Staphylococcus epidermidis***

¹Department of Women's and Children's Health; ²Department of Microbiology, Tumor- and Cell Biology, Karolinska Institutet, Stockholm, Sweden

10.00 - 10.15

BL-5

*I. TÓTH, É. BAGYINSZKY

A multiplex pcr phage typing system based on detecting enterohaemorrhagic *Escherichia coli* O157 (EHEC) specific phages

Veterinary Medical Research Institute of the Hungarian Academy of Sciences, Budapest, Hungary

10.15 - 10.30

BL-6

*VALÉRIA SZIJÁRTÓ, L. EMÓDY, T. PÁL, G. NAGY

The role of minor antigens in the formation of protective immune response against Shigellosis

Department of Medical Microbiology and Immunology, Faculty of Medicine, University of Pécs, Pécs, Hungary

10.30 - 10.45

BL-7

*SZUZSANNA VARGA¹, BOGLÁRKA SELLYEI¹, ÉVA IVANICS², T. MAGYAR¹

Comparison of avian *Pasteurella multocida* isolates by conventional characterisation methods and by their outer membrane protein pattern

¹Veterinary Medical Research Institute, Hungarian Academy of Sciences; ²Central Agricultural Office, Veterinary Diagnostic Directorate, Budapest, Hungary

10.45 - 11.00

BL-8

G. MARÓTI¹, I. NAGY¹, A. KERESZT¹, B. HORVÁTH¹, B. BÁLINT², G. RÁKHELY², ÉVA KONDOROSI¹

Exploitation of SOLiD Next Generation Sequencing Platform in microbiology

¹Bay Zoltán Foundation for Applied Research, BayGen Institute, ²Department of Biotechnology, University of Szeged, Szeged, Hungary

10.45 - 13.00

Lunch Break

13.00 - 17.15

Session Mycology

Chairpersons: Jens Frisvad and Anna Maráz

13.00 - 13.20

ML-1

T. DEÁK

In memoriam Ervin K. Novák

Department of Microbiology and Biotechnology, Corvinus University of Budapest, Budapest

13.20 - 13.50

ML-2

J. C. FRISVAD

Mycotoxins: the important fungal species that produce them

Center for Microbial Biotechnology, Department of Systems Biology, Technical University of Denmark, Lyngby, Denmark

13.50 - 14.10

ML-3

*J. VARGA^{1, 2}, S. KOCSUBÉ¹, GYÖNGYI SZIGETI¹, J. HOUBRAKEN², R. A. SAMSON²

Recent developments in the taxonomy of clinically relevant *Aspergilli*

¹Department of Microbiology, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary; ²CBS Fungal Biodiversity Centre, Utrecht, The Netherlands

14.10 - 14.30

ML-4

ZSUZSANNA HAMARI¹, T. NÉMETH¹, J. D. NOSANCHUK², A. FALUS³, KATALIN EDER³, CS. VÁGVÖLGYI¹, *A. GÁCSE¹

Transcriptional response of J774.2 macrophage like cells infected with *Candida parapsilosis*

¹University of Szeged, Department of Microbiology, Szeged, ²AECOM Department of Microbiology and Immunology, Bronx, USA, ³Department of Genetics, Cell- and Immunobiology Semmelweis University, Budapest, Hungary

14.30 - 14.50

ML-5

*CS. FEKETE^{1, 3}, ÁGNES KUN¹, KITTI CSEPREGI¹, Z. SZABÓ², R. W. M. FUNG³, WENPING QIU³, L. G. KOVÁCS³

Closed and open ended genome-wide molecular approaches to study dynamic host-pathogen interaction

¹Department of General and Environmental Microbiology, University of

Pécs, Pécs; ²Genetics and Plant Biotechnology Institute, Szent István University, Gödöllő, Hungary; ³Department of Agriculture, Missouri State University, Mountain Grove, USA

14.50 - 15.05

ML-6

*JUDIT SZILÁGYI¹, SEDIGH BAYEGAN¹, R. GESZTELYI², G. KARDOS¹, JULIANNA MÓZES¹, Á. KEMÉNY-BEKE³, ZSUZSANNA SZABÓ¹, L. MAJOROS¹

In vivo efficacy of fluconazole, voriconazole and caspofungin against *Candida orthopsilosis* in a neutropenic mouse model

¹Department of Medical Microbiology; ²Department of Pharmacology and Pharmacodynamics; ³Department of Ophthalmology, Medical and Health Science Center, University of Debrecen, Debrecen, Hungary

15.05 - 15.20

ML-7

*L. GALGÓCZY, LAURA KOVÁCS, KRISZTINA KRIZSÁN, T. PAPP, CS. VÁGVÖLGYI

In vitro antifungal effect of cysteine and cysteine derivatives on different *Zygomycetes*

Department of Microbiology, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary

15.20 - 15.40

Coffee break

Chairpersons: Vladimir Mrsa and László Hornok

15.40 - 16.00

ML-8

IGOR STUPAREVIC, RENATA TEPARIC, VLADIMIR MRSA

Localisation of yeast cell wall mannoproteins - impact on wall biogenesis

Laboratory of Biochemistry, Faculty of Food Technology and Biotechnology, University of Zagreb, Zagreb, Croatia

16.00 - 16.15

ML-9

*J. ZUPAN¹, J. MAVRI¹, K. OKETIC¹, AVRELIJA CENCIC², P. RASPOR¹

The invasive growth of *Saccharomyces cerevisiae*: New approaches and findings

¹Microbiology and Food Safety, Chair of Biotechnology, Department of Food Science and Technology, Biotechnical Faculty, University of Ljubljana, Ljubljana, Slovenia; ²Faculty of Agriculture and Life Sciences, Hoce, Slovenia

16.15 - 16.30

ML-10

*A. L. ÁDÁM, G. KOHUT, ÁGNES BODOR, L. HORNOK
Mating type genes positively regulate asexual sporulation and carotenogenesis in *Fusarium*

Mycology Group, Hungarian Academy of Sciences, Institute of Plant Protection, Szent István University, Gödöllő, Hungary

16.30 - 16.45

ML-11

L. G. NAGY, T. PAPP, CS. VÁGVÖLGYI

What are phylogenetic comparative methods and what can microbiologists use them for?

Department of Microbiology, Faculty of Sciences, University of Szeged, Szeged, Hungary

16.45 - 17.00

ML-12

*NEZA CADEZ¹, MAUDY TH. SMITH², P. RASPOR¹

Comparison between operational species concepts for yeasts: genus *Hanseniaspora* as a case study

¹Food Science and Technology Department, Chair of Biotechnology, Microbiology and Food Safety, Biotechnical Faculty, University of Ljubljana, Ljubljana, Slovenia; ²Yeast Division, Centraalbureau voor Schimmelcultures, Utrecht, The Netherlands

17.00 - 17.15

ML-13

G. PÉTER, JUDIT TORNAI-LEHOCZKI, D. DLAUCHY

Two new methanol assimilating yeast species from Hungary

National Collection of Agricultural and Industrial Microorganisms, Faculty of Food Sciences, Corvinus University of Budapest, Budapest, Hungary

Thursday, October 8

Room No. 3.

9.00 - 12.30 Session Industrial Microbiology

Chairpersons: Sándor Biró and Michel Flippi

9.00 - 9.20

IML-1

*V. FARKAŠ¹, M. NEMČOVIČ¹, LUCIA JAKUBÍKOVÁ¹,
I. VÍDEN²

Volatile communication in *Trichoderma*

¹Institute of Chemistry, Slovak Academy of Sciences, Bratislava, Slovakia;

²Laboratory of Mass Spectrometry, Institute of Chemical Technology,
Prague, Czech Republic

9.20 - 9.40

IML-2

M. FLIPPHI

**Comparative genomics of primary carbon metabolism in
Aspergilli using eight genome sequences**

Instituto de Agroquímica y Tecnología de Alimentos, Consejo Superior de
Investigaciones Científicas, Valencia, Spain

9.40 - 10.00

IML-3

R. P. DE VRIES

Genome mining to improve bio-ethanol pre-treatments

Fungal Physiology, CBS-KNAW Fungal Biodiversity Centre, Utrecht, The
Netherlands

10.00 - 10.15

IML-4

*B. METZ, EDA AKEL, C. P. KUBICEK, B. SEIBOTH

**Arabinan and l-arabinose metabolism in *Trichoderma
reesei* (*Hypocrea jecorina*): components, regulation and
other surprises**

Research Area Gene Technology and Applied Biochemistry, Institute of
Chemical Engineering, TU Vienna, Vienna, Austria

10.15 - 10.30

IML-5

KATA HETÉNYI, Á. NÉMETH, B. SEVELLA

**Lactic acid fermentation on wheat flour via SHF and
SSF technology**

Department of Applied Biotechnology and Food Science, Budapest
University of Technology and Economics, Budapest, Hungary

- 10.30 - 11.00 *Coffee break*
- 11.00 - 11.15 IML-6
*Á. NÉMETH, KATA HETÉNYI, B. SEVELLA
Simulation studies to investigate lactic acid fermentation
Department of Applied Biotechnology and Food Science, Budapest
University of Technology and Economics, Budapest, Hungary
- 11.15 - 11.30 IML-7
*Á. SVEICZER, ANNA MÓNUS
The significance of size control in single cells: How size is measured?
Department of Applied Biotechnology and Food Science, Budapest
University of Technology and Economics; Budapest, Hungary
- 11.30 - 11.45 IML-8
S. BIRÓ, ZSUZSANNA BIRKÓ
Extracellular signaling in the regulation of cell differentiation and antibiotic production in *Streptomyces griseus*
Department of Human Genetics, Faculty of Medicine, University of Debrecen, Debrecen, Hungary
- 11.45 - 12.00 IML-9
HRVOJE PETKOVIĆ
Biosynthesis of cyclophilin Fkbp12-binding natural products, new weapons in medicine
Chair of Biotechnology, Microbiology and Food Safety, Biotechnical faculty, University of Ljubljana, Ljubljana, Slovenia
- 12.00 - 12.15 IML-10
*T. PAPP, Á. CSERNETICS, G. NAGY, CS. VÁGVÖLGYI
Improvement of carotenoid producing *Zygomycetes* fungi
Department of Microbiology, Faculty of Sciences and Informatics, University of Szeged, Szeged, Hungary
- 12.15 - 12.30 IML-11
BIRGIT GRUBEN
Regulation of galactose catabolism in *Aspergillus nidulans*
University of Utrecht, Utrecht, The Netherlands

Thursday, October 8

Room Gulács

8.30 - 10.15 Session Food Microbiology

Chairpersons: Tibor Deák and Peter Raspor

8.30 - 9.00

AFL-1

P. RASPOR

Current challenges for food safety from microbiologist point of view: How much we can get from good practice approach in food microbiology education?

Microbiology and Food Safety, Chair of Biotechnology, Biotechnical Faculty, University of Ljubljana, Ljubljana, Slovenia

9.00 - 9.15

AFL-2

VIRÁG SÁGI-KISS¹, SIM FONG³, ANDREA POMÁZI², P. FODOR¹, R. G. BRERETON³, ANNA MARÁZ²

Prediction of fungal fruit spoilage via detection of volatile organic compounds

¹Department of Applied Chemistry; ²Department of Microbiology and Biotechnology, Corvinus University of Budapest, Budapest, Hungary; ³Centre for Chemometrics, School of Chemistry, University of Bristol, Bristol, UK

9.15 - 9.30

AFL-3

*ILDIKÓ BATA-VIDÁCS¹, T. BANOS²

Heat adaptation of *Bacillus cereus* cells

¹Department of Microbiology, Central Food Research Institute; ²Faculty of Food Science, Corvinus University of Budapest, Budapest, Hungary

9.30 - 9.45

AFL-4

TÍMEA CSEH¹, P. KÖRMÖCZI¹, *L. HATVANI¹, L. MANCZINGER¹, ADRIENN NAGY², CS. VÁGVÖLGYI¹, L. KREDICS¹

Influence of temperature, pH and water activity on *Trichoderma pleurotum* and *T. pleuroticola*, the causative agents of oyster mushroom green mould

¹Department of Microbiology, Faculty of Science and Informatics, University of Szeged; ²Institute of Biophysics, Biological Research Center of the Hungarian Academy of Sciences, Szeged, Hungary

- 9.45 - 10.00 AFL-5
*MARGIT A. KORBÁSZ, JUDIT BECZNER
Modelling mould growth
Department of Microbiology, Central Food Research Institute, Budapest, Hungary
- 10.00 - 10.15 AFL-6
*MÁRTA EMŐKE GULYÁS, SÁRA KOSTYÁK, JUDIT HOLCZHAUSER, ERZSÉBET ADRIÁN
Antibiotic resistant bacteria in the food chain and environment
Food and Feed Safety Directorate, Central Agricultural Office, Budapest, Hungary
- 10.15 - 10.45 *Coffee break*
- 10.45 - 12.50 **Session Agricultural and Forest Microbiology**
Chairpersons: Borbála Biró and Sándor Balázs
- 10.45 - 11.05 AFL-7
B. LIBISCH, ILONA VILLÁNYI, ANNA FÜZY, MONIKA DOMONKOS, BOGLÁRKA BÁLINT, *BORBÁLA BIRÓ
Microbiological characterization of forest samples contaminated by de-icing fluids
Research Institute for Soil Science and Agricultural Chemistry, Hungarian Academy of Sciences, Budapest, Hungary
- 11.05 - 11.20 AFL-8
*L. HATVANI, V. S. FENYVESI, CS. VÁGVÖLGYI, L. MANCZINGER
Isolation, identification and characterization of predatory bacterial strains
Department of Microbiology, University of Szeged, Szeged, Hungary
- 11.20 - 11.35 AFL-9
MÁRTA D. TÓTH¹, S. BALÁZSY¹, OLGA TEREK², MYROSLAVA KOBYLETSKA², O. PATSULA², JUDIT L. HALÁSZ¹, Z. DINYA³
The study of the metal contents of some dominant plants and phyllospheric micro-organisms on Upper-Tisza area
¹Institute of Biology College of Nyíregyháza, Nyíregyháza; ²Faculty of Plant Physiology, Ivan Franko National University, Lviv, Ukraine; ³Institute

of Agricultural and Molecular Research Centre, College of Nyíregyháza, Nyíregyháza, Hungary

11.35 - 11.50

AFL-10

*L. HATVANI¹, SABRINA SARROCCO², G. VANNACCI², M. FORTI², L. MANCZINGER¹, CS. VÁGVÖLGYI¹, L. KREDICS¹

Extracellular enzyme systems involved in the pathogenesis of *Trichoderma pleurotum* towards oyster mushroom

¹Department of Microbiology, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary; ²Department of Tree Science, Entomology and Plant Pathology "G. Scaramuzzi," Plant Pathology Section, Faculty of Agriculture, University of Pisa, Pisa, Italy

11.50 - 12.05

AFL-11

*MIHAELA BLAZINKOV¹, IVA SUDAREVIC¹, KLARA BARIC², SIKORA SANJA¹, S. REDZEPOVIC¹

The effects of herbicides on the growth of *S. meliloti* strains

¹Department of Microbiology; ²Department of Herbology, University of Zagreb, Zagreb, Croatia

12.05 - 12.20

AFL-12

JUDIT L. HALÁSZ, S. BALÁZSY, MÓNIKA SZATHMÁRY, MÁRTA D. TÓTH, Z. DINYA

Changes in the soil parameters in previously cultivated and uncultivated lands

Institute of Biology, College of Nyíregyháza, Nyíregyháza, Hungary

12.20 - 12.35

AFL-13

*LELDE GRANTINA¹, KRISTINE KENIGSVALDE¹, DAINA EZE¹, ZAIGA PETRINA¹, ILZE SKRABULE², N. ROSTOKS¹, VIZMA NIKOLAJEVA¹

Microbial diversity in fields of conventional and organic agriculture: results of two years long investigations

¹Faculty of Biology, University of Latvia, Riga, Latvia; ²State Priekuli Plant Breeding Institute, Priekuli, Latvia

12.35 - 12.50

AFL-14

H. E. A. F. BAYOUMI HAMUDA

Simple and rapid method for monitoring metals toxicity using siderophore- and lytic enzyme-producing microorganisms

Rejtő Sándor Faculty of Light Industry and Environmental Protection

Engineering, Budapest Tech Polytechnical Institution, Budapest, Hungary

12.50 - 14.00 *Coffee break*

14.00 - 16.05 Session Immunology and Parasitology

Chairpersons: József ONGRÁDI and Julia WALOCHNIK

14.00 - 14.20 IML-1

*J. ONGRÁDI¹, VALÉRIA KÖVESDI¹, B. STERCZ¹, L. VÉRTES²

Immunosenescence

¹Institute of Public Health, Semmelweis University; ²Society for Gerontology and Geriatrics, Budapest, Hungary

14.20 - 14.35

IML-2

*D. P. VIRÓK¹, KATALIN BURIÁN², VALÉRIA ENDRÉSZ², D. E. NELSON³, H. D. CALDWELL⁴

MIG is an antichlamydial member of the mouse epithelial secretome

¹Institute for Plant Genomics, Human Biotechnology and Bioenergy; ²Department of Medical Microbiology and Immunobiology, University of Szeged, Szeged, Hungary; ³Department of Biology, Indiana University, USA; ⁴Laboratory of Intracellular Parasites, Rocky Mountain Laboratories, NIAID, NIH, MT, USA

14.35 - 14.50

IML-3

P. HORVÁTH¹, SZILVIA KANIZSAI¹, MONIKA KAPÁS¹, JUDIT PÁSZTI², ERIKA OROSZ², K. NAGY¹, M. FÜZI¹

Demonstration of a protein with enhanced resistance to proteinase-k in transmissible cytopathic condition elicited by cell-free lysate of free-living amoeba *Naegleria gruberi*

¹Institute of Medical Microbiology, Semmelweis University; ²National Center for Epidemiology, Budapest, Hungary

14.50 - 15.05

IML-4

JULIA WALOCHNIK, H. ASPÖCK

Leishmaniosis in Austria? Climate change and autochthonous *Leishmania* infections in Central Europe

Department for Medical Parasitology, Institute for Specific Prophylaxis and Tropical Medicine, Medical University of Vienna, Vienna, Austria

- 15.05 - 15.20 IML-5
*I. KUCSERA, J. DANKA, ZSUZSANNA SZÉNÁSI
Further data about human dirofilariosis in Hungary
National Center for Epidemiology, Department of Parasitology, Budapest, Hungary
- 15.20 - 15.35 IML-6
*KATALIN GLATZ, J. DANKA, I. KUCSERA
Human trichinellosis: topicalities in Hungary
Department of Parasitology, National Center for Epidemiology, Budapest, Hungary
- 15.35 - 15.50 IML-7
ANJA KLANCNIK, DARINKA VUCKOVIC, MAJA ABRAM, SONJA SMOLE MOZINA
The link between survival and infectivity of *Campylobacter jejuni* cells under changing environmental conditions
Department of Food Science and Technology, Biotechnical Faculty, University of Ljubljana, Ljubljana, Slovenia,
- 15.50 - 16.05 IML-8
ZSÓFIA FELTÓTI¹, B. HORVÁTH¹, EDIT URBÁN², A. MCDOWELL³, *I. NAGY¹
High-throughput sequencing provides insights into genome variation, evolution and pathogenicity of *Propionibacterium acnes*
¹Institute for Plant Genomics, Human Biotechnology and Bioenergy, Bay Zoltán Foundation for Applied Research; ²Department of Microbiology, University of Szeged, Szeged, Hungary; ³Centre for Infection & Immunity, School of Medicine, Dentistry & Biomedical Sciences, Queen's University, Belfast, United Kingdom

Thursday, October 8

Poster Room

9.30 - 10.30

Session Immunology and Parasitology - posters

IPP-1

EMESE PETRA BALOGH¹, TÍMEA MOSOLYGÓ¹,
ILDIKÓ FALUDI¹, VALÉRIA ENDRÉSZ¹, D. VIRÓK²,
KATALIN BURIÁN¹

The monokine induced by interferon-gamma shows anti-Chlamydial activity

¹Department of Medical Microbiology and Immunobiology, University of Szeged; ²Institute for Biotechnology, Bay Zoltán Foundation for Applied Research, Szeged, Hungary

IPP-2

*ENIKŐ BARABÁS-HAJDU¹, FRUZZSINA SZILÁGYI²,
SIMONA MURESAN³, ÁGNES MIHÁLY¹, D. BARABÁS⁴

Long term follow up of giardiasis in institutionalized physically and mentally disabled persons

¹Department of Microbiology, University of Medicine and Pharmacy; ²Infectious Diseases Hospital; ³Department of Physiology, University of Medicine and Pharmacy, Tg. Mures, Romania; ⁴Institute for Physically and Mentally Disabled Persons, Brancovenesti, Romania

10.45 – 12.00

Session Virology - Posters

VP-1

TATJANA VILIBIC CAVLEK¹, SUNCANICA LJUBIN
STERNAK¹, GORDANA VOJNOVIC², M. SVIBEN³,
GORDANA MLINARIC GALINOVIC¹

The role of IgG avidity in diagnosis of Cytomegalovirus infection in newborns and infants

¹Department of Virology; ²Department of Molecular Diagnostic; ³Department of Parasitology, Croatian National Institute of Public Health, Zagreb, Croatia

VP-2

*A. CSÁGOLA, MÁRTA LŐRINCZ, KATA TOMBÁ CZ, I.
BIKSI, GY. BALKÁ, T. TUBOLY

Detection of human parvovirus 4 related porcine

hokoviruses in Hungary

Faculty of Veterinary Science, Szent István University, Budapest, Hungary

VP-3

*ESZTER GYÖNGYÖSI, ANITA SZALMÁS, J. KÓNYA,
GY. VERESS

Effect of human papillomavirus 16 E6 and E7 oncogenes on the expression of involucrin in human keratinocytes

Department of Medical Microbiology, Medical and Health Science Center,
University of Debrecen, Debrecen, Hungary

VP-4

Z. HALÁSOVÁ, J. RAJCÁNI, M. VALOVICOVÁ, P.
PANCÍK, P. BELVONCÍKOVÁ, I. REZUCHOVÁ, M.
KÚDELOVÁ

Characterization of the murine herpesvirus isolate 4556 (MHV4556): sequence and analysis of genes encoding virion associated proteins

Institute of Virology, Slovak Academy of Sciences, Bratislava, Slovak
Republic

VP-5

KATINKA HERNÁDI^{1, 2}, ANITA SZALMÁS¹, R.
MOGYORÓSI², ILDIKÓ MÁRTON², J. KÓNYA¹

Epstein-Barr virus and human cytomegalovirus in pulp/periapical inflammation

¹Department of Medical Microbiology; ²Faculty of Dentistry, University of
Debrecen, Debrecen, Hungary

VP-6

Z. HRABOVSKÁ¹, A. CHALUPKOVÁ¹, J. RAJCÁNI^{1, 2}, J.
MISTRÍKOVÁ¹

Murine gammaherpesherpesvirus as a model for study of correlation between persistence of viral genome and tumor development

¹Faculty of Natural Sciences, Comenius University; ²Institute of Virology;
Slovak Academy of Sciences, Bratislava, Slovakia

VP-7

*BRIGITTA LÁSZLÓ¹, EDINA CZELLÁR¹, JUDIT
DEÁK², J. GRAY³, MIREN ITURRIZA-GOMARA³,
ÁGNES JUHÁSZ⁴, JULIANNA KOVÁCS⁵, J. KÓNYA¹,
V. MARTELLA⁶, JÚLIA MÉSZÁROS⁴, ZSÓFIA

MÉSZNER⁷, ILONA MIHÁLY⁸, P. MOLNÁR⁸, Z. NYÚL⁹,
L. PÁTRI¹⁰, ERZSÉBET PUSKÁS¹¹, F. SCHNEIDER¹², A.
TÓTH⁸, ERZSÉBET TÓTH¹³, GY. SZÜCS¹⁴, K.
BÁNYAI^{5,16}

Rotavirus strains in Hungary, 2007-2008

¹Department of Medical Microbiology, Medical and Health Science Center, University of Debrecen, Debrecen; ²Department of Clinical Microbiology, University of Szeged, Szeged, Hungary; ³Enteric Virus Unit, Health Protection Agency, London, United Kingdom; ⁴Hungarian National Public Health and Medical Officer Service, North Great Plain Regional Institute, Hajdú-Bihar county, Debrecen; ⁵Pediatrics Health Center, Bordány, Hungary; ⁶Department of Animal Health and Wellbeing, University of Bari, Bari, Italy; ⁷National Institute of Child Health, Budapest; ⁸Szent László Hospital for Infectious Diseases, Budapest; ⁹Kerpel-Fronius Ödön Children's Hospital; ¹⁰PÁTRI-MED BT, Pécs; ¹¹Hungarian National Public Health and Medical Officer Service, North Hungarian Regional Institute, Miskolc; ¹²Markusovszky Hospital, Szombathely; ¹³Hungarian National Public Health and Medical Officer Service, North Great Plain Regional Institute, Szabolcs-Szatmár-Bereg county, Nyiregyháza; ¹⁴Department of Microbiology, University of Kuwait, Kuwait; ¹⁵Department of Medical Microbiology and Immunology, University of Pécs, Pécs; ¹⁶Veterinary Medical Research Institute, Hungarian Academy of Sciences, Budapest, Hungary

VP-8

*MELINDA MURVAI¹, ÁGNES PAPP², L. GERGELY¹

Human bocavirus in respiratory samples

¹Department of Medical Microbiology; ²Department of Pediatrics, Medical and Health Science Center, University of Debrecen, Debrecen, Hungary

VP-9

JELENA RADOVANOV¹, *VESNA MILOSEVIC¹,
DRAGAN RADNOVIC², VERA JERANT PATIC¹, IVANA
HRNJAKOVIC-CVJETKOVIC¹, GORDANA
KOVACEVIC¹

Rapid detection of enteroviruses in clinical specimens by shell vial assay: comparison with conventional virus isolation method

¹Department of Virology, Institute of Public Health; ²Department of Biology and Ecology, Faculty of Sciences, University of Novi Sad, Novi Sad, Serbia

VP-10

B. TRESÓ, ERZSÉBET RUSVAI, ÁGNES DENCs,
MÁRIA TAKÁCS

HCV genotypes among injection drug users in Hungary

Division of Virology, National Center for Epidemiology, Budapest, Hungary

VP-11

*L. LAKATOS¹, ANA GINER MERITXELL², G. CHAPA², J. J. LÓPEZ-MOYA², J. BURGYN²

Inhibition of risc activity by the P1 silencing suppressor of sweet potato mild mottle virus correlates with argonaute binding through wg/gw motifs

¹Agricultural Biotechnology Centre, Gödöllő, Hungary; ²Centre for Research in Agricultural Genomics, CRAG, CSIC-IRTA-UAB, Barcelona, Spain

13.00 - 14.00

Session Bacteriology - Posters

BP-1

*ZSUZSANNA DOMBRÁDI¹, Á. TÓTH², ERIKA UNGVÁRI², ÉVA RÁKÓCZI³, I. KÁRPÁTI⁴, J. MÁTYUS⁴, KATALIN VERES⁵, MARGIT ZEHER⁵, PIROSKA OROSI⁶, L. MARÓDI³, JUDIT SZABÓ¹

Fatal sepsis caused by heterogeneously vancomycin-intermediate sensitive *Staphylococcus aureus* (HVISA) strains in two Hungarian patients

¹Department of Medical Microbiology, Medical and Health Science Centre, University of Debrecen, Debrecen; ²Department of Bacteriology, National Center for Epidemiology, Budapest; ³Department of Infectology and Pediatric Immunology; ⁴Department of Nephrology, Institute of 1st Internal Medicine; ⁵3rd Internal Medicine; ⁶Department of Hygiene and Epidemiology, Medical and Health Science Centre, University of Debrecen, Debrecen, Hungary

BP-2

KATALIN JÁNOSI¹, L. MAKRAI¹, I. HAJTÓS³, J. VARGA¹, A. E. TIRIÁN², L. FODOR¹

Comparative examination of metabolic fingerprint of *Histophilus somni* strains isolated from cattle

¹Department of Microbiology and Infectious Diseases; ²Department of Animal Hygiene, Herd-health and Veterinary Ethology, Faculty of Veterinary Science, Szent István University, Budapest; ³Borsod-Abaúj-Zemplén County Agricultural Office, Miskolc, Hungary

BP-3

*SZILVIA MELEGH, Z. TIGYI, L. EMŐDY, GY. SCHNEIDER

Characterisation of extended-spectrum-beta-lactamase

(ESBL) producing *Klebsiella pneumoniae* strains

Department of Medical Microbiology and Immunology, University of Pécs,
Pécs, Hungary

BP-4

IVICA ZURAK

***Klebsiella* infections and susceptibility testing**

University-Hospital, Zagreb, Croatia

BP-5

*MIRNA MIHELIC¹, IVANA CUJEC², VISNJA BACUN-
DRUZINA², MAJA ABRAM¹

**Interaction between *Listeria monocytogenes* and
*Acanthamoeba castellani***

¹Department of Microbiology and Parasitology, Medical Faculty, University
of Rijeka, Rijeka Croatia; ²Laboratory of Biology and Microbial Genetics,
Faculty of Food Technology and Biotechnology, University of Zagreb,
Zagreb, Croatia

BP-6

MARINA BUBONJA¹, JASMINKA GIACOMETTI²,
*MAJA ABRAM¹

**In vitro activity of olive oil polyphenols against *Listeria*
spp.**

¹Department of Microbiology and Parasitology; ²Department of Chemistry
and Biochemistry, Medical Faculty, University of Rijeka, Rijeka, Croatia

BP-7

*ILDIKÓ FALUDI¹, KATALIN BURIÁN¹, VALÉRIA
ENDRÉSZ¹, ÉVA GÖNCZÖL², A. MICZÁK¹

**Production of purified recombinant proteins of
*Chlamydomonas reinhardtii***

¹Department of Medical Microbiology and Immunobiology, University of
Szeged, Szeged; ²Division of Virology, National Center for Epidemiology,
Budapest, Hungary.

BP-8

*ANNA HOSTACKA, I. CIZNAR

**Impact of culture media on some properties of *Vibrio*
cholerae non O1 strains**

Slovak Medical University, Bratislava, Slovak Republic

BP-9

*LILLA SÁFÁR, TAMÁS PALKOVICS, LEVENTE EMÓDY, GYÖRGY SCHNEIDER

Identification of *Campylobacter jejuni* antigens eliciting specific immune response

Department of Medical Microbiology and Immunology, University of Pécs, Pécs, Hungary

BP-10

*NOÉMI NÓGRÁDY¹, Á. TÓTH¹, KLÁRA BORBÁS¹, JUDIT PÁSZTI¹, I. TÓTH²

Antimicrobial susceptibility, integron and virulence-related gene carriage and genetic relationship of *Shigellae* isolated in Hungary from 1998 to 2008

¹National Center for Epidemiology; ²Veterinary Medical Research Institute of the Hungarian Academy of Sciences, Budapest, Hungary

BP-11

*GABRIELLA SPENGLER^{1, 2}, M. VIVEIROS^{1, 3}, ANA MARTINS^{1, 2}, LILIANA RODRIGUES^{1, 2}, J. MOLNÁR^{3, 4}, L. AMARAL^{1, 2, 3}

Application of real-time fluorometry to study efflux pump activity in bacteria and cancer cells

¹Unit of Mycobacteriology; ²Unidade de Parasitologia e Microbiologia Médicas, Instituto de Higiene e Medicina Tropical, Universidade Nova de Lisboa, Lisbon, Portugal; ³COST ACTION BM0701 (ATENS); ⁴Institute of Medical Microbiology and Immunobiology, Faculty of Medicine, University of Szeged, Szeged, Hungary

BP-12

*SUSANA COSTA, ANA MARTINS, GABRIELLA SPENGLER, L. AMARAL, M. VIVEIROS

ATP-ase inhibitors as new efflux pump inhibitors of *Escherichia coli*

Unit of Mycobacteriology, Instituto de Higiene e Medicina Tropical, Universidade Nova de Lisboa, Lisboa, Portugal

BP-13

VISNJA BACUN-DRUZINA, T. KLINCIC, ANA BUTORAC, JASNA MRVCIC, VESNA STEHLIK-TOMAS

The role of *Lactobacillus brevis* L62 plasmids during prolonged stationary phase

Laboratory of Biology and Microbial Genetics, Faculty of Food Technology

and Biotechnology, University of Zagreb, Zagreb, Croatia

BP-14

TATJANA MIHAJLOV-KRSTEV¹, *DRAGAN RADNOVIC², DUSANKA KITIC³, B. ZLATKOVIC¹, M. RISTIC⁴, SUZANA BRANKOVIC³

Antimicrobial activity of *Satureja hortensis* L. essential oil

¹Department of Biology and Ecology, University of Nis, Nis, Serbia;

²Department of Biology and Ecology, University of Novi Sad, Novi Sad, Serbia; ³Faculty of Medicine, University of Nis, Nis, Serbia; ⁴Institute of Medicinal Plant Research "Dr Josif Pancic", Belgrade, Serbia

BP-15

*DRAGAN RADNOVIC¹, KATARINA SAVIKIN², N. MENKOVIC², DUSANKA KITIC³, TATJANA MIHAJLOV-KRSTEV⁴

Evaluation of antimicrobial activity of *Sideritis reaseri* spp. *reaseri* ethanol extracts

¹Department of Biology and Ecology, University of Novi Sad, Novi Sad, Serbia; ²Institute of Medicinal Plant Research "Dr Josif Pancic", Belgrade, Serbia; ³Faculty of Medicine, University of Nis, Nis, Serbia; ⁴Department of Biology and Ecology, University of Nis, Nis, Serbia

BP-16

LILLA ÖRDÖGH¹, L. GALGÓCZY¹, T. PAPP¹, CS. VÁGVÖLGYI¹, JUDIT KRISCH²

Growth inhibition effect of Central European cultivated and wild fruits against acne-inducing bacteria

¹Department of Microbiology, Faculty of Science and Informatics; ²Institute of Food Engineering, Faculty of Engineering, University of Szeged, Szeged, Hungary

BP-17

*D. MIELECKI, M. MIELECKI, A. CHOJNACKA, J. NIEMINUSZCZY, E. GRZESIUK

The homologues of bacterial AlkB protein in cyanobacteria and *Arabidopsis thaliana*

Institute of Biochemistry and Biophysics, Polish Academy of Sciences, Warhaw, Poland

14.00 - 15.00

Session Environmental Microbiology - Posters

EMP-1

VERONIKA NÉMETH¹, ZSUZSANNA ANTAL², CS. VÁGVÖLGYI², *L. MANCZINGER²

Isolation and preliminary characterization of carbendazim-degrading bacteria

¹Department of Physical Chemistry; ²Department of Microbiology, Faculty of Sciences and Informatics, University of Szeged, Szeged, Hungary

EMP-2

ANITA MOHR¹, *ZSÓFIA HATOS¹, BLANKA TÓTH², K. MÁRIALIGETI¹

Investigation of aerobic and anaerobic microbial degradation of Ibuprofen using molecular and cultivation based methods

¹Department of Microbiology, Eötvös Loránd University; ²Department of Inorganic and Analytical Chemistry, Budapest University of Technology and Economics, Budapest, Hungary

EMP-3

A. TÁNCICS^{1, 2}, ERZSÉBET BAKA^{1, 2}, I. SZABÓ³, S. SZOBOSZLAY⁴, J. KUKOLYA⁵, B. KRISZT⁴, K. MÁRIALIGETI¹

The role of β -Proteobacteria in BTEX degradation: Diversity of catechol 2,3-dioxygenase and 16s rRNA genes in hypoxic, petroleum hydrocarbon contaminated groundwater

¹Department of Microbiology, Eötvös Loránd University, Budapest; ²Regional University Center of Excellence in Environmental Industry, Szent István University; ³Enviroscience Ltd.; ⁴Department of Environmental Protection & Environmental Safety, Szent István University; ⁵Ágruniver Holding Environmental Management, Research and Technology Development Ltd., Gödöllő, Hungary

EMP-4

*I. SZABÓ¹, J. HÁHN³, P. HARKAI³, M. FARKAS², S. SZOBOSZLAY²

Measuring heavy metal sensitivity of new hydrocarbon degrading microbe strains isolated from contaminated sites

¹Enviroscience Ltd.; ²Department of Environmental Protection & Environmental Safety; ³Regional University Center of Excellence in

Environmental Industry Based on Natural Resources, Szent István University, Gödöllő, Hungary

EMP-5

FLÓRA SEBŐK¹, CS. DOBOLYI¹, B. KRISZT², S. SZOBOSZLAY²

Persistency of alcan-degrading inoculants in composts processed from wastes of bioenergy production

¹Regional University Centre of Excellence in Environmental Industry Based on Natural Resources; ²Department of Environmental Protection and Environmental Safety, Gödöllő, Hungary

EMP-6

B. ATZÉL¹, ZSUZSA NAGY¹, M. FARKAS¹, B. KOVÁCS², B. KRISZT¹, S. SZOBOSZLAY¹

Taxonomic diversity of culturable bacterial community in composts

¹Department of Environmental Protection & Environmental Safety; ²Regional University Center of Excellence in Environmental Industry, Szent István University, Gödöllő, Hungary

EMP-7

ZSUZSA KÉKI¹, A. BUCCI², JUDIT MAKK¹, M. PALATINSZKY¹, K. MÁRIALIGETI¹, ERIKA M. TÓTH¹

Studies of the microbial communities of the water purification system in a Hungarian power plant

¹Department of Microbiology, Eötvös Loránd University, Budapest, Hungary; ²Department of Science and Technology for the Environment and Territory, University of Molise, Pesche, Contrada Fonte Lappone, Italy

EMP-8

*MÓNKA KNÁB¹, M. PALATINSZKY¹, K. MÁRIALIGETI¹, KLAUDIA KISS², J. MÓGA², ANDREA K. BORSODI¹

Studies on planktonic bacterial communities of ponds located on different epikarstic systems of Hungary

¹Department of Microbiology; ²Department of Physical Geography, Eötvös Loránd University, Budapest, Hungary

EMP-9

ANDREA K. BORSODI¹, *KATALIN CZEIBERT¹, MÓNKA KNÁB¹, M. PALATINSZKY¹, G. KRETT¹, BOGLÁRKA SOMOGYI², L. VÖRÖS², K. MÁRIALIGETI¹

Comparative diversity investigations on planktonic

bacterial communities of an extremely shallow soda pond during a phytoplankton bloom

¹Department of Microbiology, Eötvös Loránd University, Budapest; ²Balaton Limnological Research Institute, Hungarian Academy of Science, Tihany, Hungary

EMP-10

M. PALATINSZKY¹, G. KRETT¹, M. NIKOLAUSZ², K. MÁRIALIGETI¹

Effect of primer selection, preferential ligation and clone library size on the bacterial community composition picture of environmental samples

¹Department of Microbiology, Eötvös Loránd University, Budapest, Hungary; ²Department of Environmental Biotechnology, UFZ Helmholtz Centre for Environmental Research, Leipzig, Germany

EMP-11

*DIÁNA SERESS, G. M. KOVÁCS

Morphological and molecular characterization of ectomycorrhizae of *Pinus* species from a semiarid sandy grassland

Department of Plant Anatomy, Institute of Biology, Eötvös Loránd University, Budapest, Hungary

EMP-12

*TEJA ZAKRAJSEK, KATJA ISTENIC, POLONA JAMNIK

Characterization of yeast *Saccharomyces cerevisiae* in the stationary growth phase at cellular and molecular level

Microbiology and Food Safety, Chair of Biotechnology, Department of Food Science and Technology, Biotechnical Faculty, University of Ljubljana, Ljubljana, Slovenia

EMP-13

*CSILLA KRIFATON¹, J. KUKOLYA², M. CSERHÁTI¹, S. SZOBOSZLAY¹, B. KRISZT¹

Adaptation of bacterial biotests for mycotoxin monitoring

¹Department of Environmental Protection & Environmental Safety, Szent István University; ²Agruniver Holding Environmental Management, Research and Technology Development Ltd., Gödöllő, Hungary

Friday, October 9

Room No. 1.

9.00 - 10.20 Session Virology - Animal Viruses in Humans and in Animals

Chairpersons: Vladimir Savic and Miklós Rusvai

9.00 - 9.20

VL-6

*V. MÜLLER¹, J. DINIS DE SOUSA², P. LEMEY², ANNE-MIEKE VANDAMME²

Simulating the origin of HIV-1 group M in Kinshasa: Why did the epidemic emerge, when it did?

¹Institute of Biology, Eötvös Loránd University, Budapest, Hungary; ²Laboratory for Clinical and Evolutionary Virology, Rega Institute for Medical Research, Katholieke Universiteit Leuven, Belgium

9.20 - 9.35

VL-7

*T. BAKONYI^{1, 2}, K. ERDÉLYI³, EMŐKE FERENCZI^{4, 5}, ORSOLYA KUTASI⁶, T. CSÖRGŐ⁷, B. SEIDEL⁸, H. WEISSENBÖCK⁹, N. NOWOTNY²

West Nile virus infections in animals in 2008 and 2009 in Central Europe

¹Department of Microbiology and Infectious Diseases, Faculty of Veterinary Science, Szent István University, Budapest, Hungary; ²Zoonoses and Emerging Infections Group, Clinical Virology, Department of Pathobiology, University of Veterinary Medicine, Vienna, Austria; ³Central Veterinary Institute; ⁴Department of Virology, National Center for Epidemiology; ⁵Veterinary Medical Research Institute, Hungarian Academy of Sciences, Budapest; ⁶Large Animal Clinic, Faculty of Veterinary Science, Szent István University, Üllő; ⁷Department of Anatomy and Cell Biology, Faculty of Science, Eötvös Loránd University, Budapest, Hungary; ⁸Office of Ecology Research and Landscape Assessment, Pörschenbeug, Austria; ⁹Institute of Pathology and Forensic Veterinary Medicine, Department of Pathobiology, University of Veterinary Medicine, Vienna, Austria

9.35 - 9.50

VL-8

TEODÓRA SZALKAI¹, ENIKŐ BÁN¹, K. ERDÉLYI², V. ZÖLDI¹, TAMÁSNÉ KAPOS¹, T. BAKONYI³, EMŐKE FERENCZI¹

Change of the West Nile virus activity in Hungary in human aspect

¹National Center for Epidemiology; ²Central Veterinary Institute;
³Department of Microbiology and Infectious Diseases, Faculty of
Veterinary Science, Szent István University, Budapest, Hungary

9.50 - 10.05

VL-9

***DÓRA TOMBÁCZ, JUDIT S. TÓTH, ZS. BOLDOGKŐI**
Whole-genome analysis of pseudorabies virus by Real-
Time RT-PCR

Department of Biology, Faculty of Medicine, University of Szeged, Szeged,
Hungary

10.05 - 10.20

VL-10

***ELENA ALINA PALADE¹, Á. HORNYÁK², Z.**
DEMETER¹, M. DOBOS-KOVÁCS¹, ZSÓFIA
BENYEDA¹, M. RUSVAI¹, J. KISARY³

Etiological investigations of naturally occurring Runting-
Stunting Syndrome in Hungarian flocks

¹Department of Pathology and Forensic Veterinary Medicine; ²Department
of Microbiology and Infectious Diseases, Faculty of Veterinary Science,
Szent István University, Budapest; ³RecombiVet Kft, Pilisvörösvár,
Hungary

10.20 - 12.00

Coffee break

12.00

Closing Ceremony and Farewell Drink

Closing addresses of

János MINÁROVITS

President of the Hungarian Society for Microbiology

Danko HAJSIG

President of the Croatian Microbiological Society

Friday, October 9

Room No. 2.

9.00 - 12.00 **Session Bacteriology II.**

Chairpersons: Miklós FÜZI and Sonja SMOLE MOZINA

9.00 - 9.20

BL-9

M. FÜZI

Genetic characterization of multidrug resistant major nosocomial pathogens in Hungary

Institute of Medical Microbiology, Semmelweis University, Budapest, Hungary

9.20 - 9.30

BL-10

*KATALIN KRISTÓF¹, ERIKA KOCSIS¹, DÓRA SZABÓ²

Characterisation of multiresistant bacterial strains in this year

¹Division of Clinical Microbiological Diagnostic Laboratory, Central Laboratory (Pest), Budapest; ²Institute of Medical Microbiology, Semmelweis University, Budapest, Hungary

9.30 - 9.45

BL-11

*JUDIT KESERŰ¹, I. SZABÓ¹, ZSUZSANNA GÁL², JULIANNA HULVELY¹, ÉVA HUNYADI-GULYÁS³, KATALIN F. MEDZIHRADESKY³, S. BIRÓ¹

Proteomic investigation of beta-lactamases in human and bovine isolates of borderline methicillin-resistant *Staphylococcus aureus* strains

¹Department of Human Genetics; ²Department of Pharmacology and Pharmacotherapy, University of Debrecen, Debrecen; ³Proteomics Research Group, Biological Research Center of the Hungarian Academy of Sciences, Szeged, Hungary

9.45 - 10.00

BL-12

*ADRIENN TÓTHPÁL¹, SZILVIA KARDOS¹, EDIT HAJDÚ², ERZSÉBET NAGY², JUDIT SZABÓ³, K. NAGY¹, ORSOLYA DOBAY¹

Epidemiological analysis of Pneumococcal carriage in healthy children attending day-care centres

¹Institute of Medical Microbiology, Semmelweis University, Budapest; ²Institute of Clinical Microbiology, University of Szeged, Szeged;

³Department of Medical Microbiology, Medical and Health Science Centre, University of Debrecen, Debrecen, Hungary.

10.00 - 10.10

BL-13

*D. L. SVÁB, I. TÓTH

Genotyping of long polar fimbriae in bovine *Escherichia coli* O157 strains

Veterinary Medical Research Institute of the Hungarian Academy of Sciences, Budapest, Hungary

10.10 - 10.30

Coffee break

10.30 - 10.45

BL-14

SONJA SMOLE MOZINA, ANA KRAMAR, MARIJA KURINCIC, ANJA KLANCNIK

Antimicrobial resistance of *Campylobacter*: A link between antibiotic and biocide resistance?

Department of Food Science and Technology, Biotechnical Faculty, University of Ljubljana, Ljubljana, Slovenia

10.45 - 11.00

BL-15

J. SÓKI, ZSUZSA EITEL, GABRIELLA TERHES, EDIT URBÁN, ELISABETH NAGY

Analysis of metallo-beta-lactamase and enterotoxin-producing *Bacteroides fragilis* strains

Institute of Clinical Microbiology, Albert Szent-Györgyi Clinical Center, Faculty of General Medicine, University of Szeged, Szeged, Hungary

10.00 - 11.15

BL-16

*ZSUZSANNA SZABÓ¹, MÁRTA KNAUSZ², B. GARTNER³, MÁRIA HERPAY¹

Imported melioidosis from India: First case in Hungary

¹Department of Bacteriology II., National Center for Epidemiology, Budapest; ²Department of Microbiology, Central Laboratory; ³Central Department of Anesthesiology and Intensive Therapy, Petz Aladár County and Teaching Hospital, Győr, Hungary

11.15 - 11.30

BL-17

*ZSUZSA KIENLE¹, KATALIN BOROSS¹, FRUZZINA PETROVAY¹, ESZTER BALLA¹, E. TOLDY-SCHEDEL²

Bartonella* endocarditis: serological cross-reaction with *Coxiella burnetii

¹Department of Bacteriology, National Center for Epidemiology; ²Department of Cardiology, Budai Irgalmasrendi Hospital, Budapest, Hungary

10.30 - 11.45

BL-18

RENÁTA BÁNFI¹, DORINA DÓSA², M. KÁDÁR¹,
MÁRTA VARGHA¹

***Pseudomonas aeruginosa* in the water distribution systems**

¹Department of Water Microbiology; ²Department of Water Safety, National Institute for Environmental Health, Budapest, Hungary

11.45 - 12.00

BL-19

*M. BOSNJAK¹, D. HAJSIG², LEILA DURAKOVIC³,
ZRINKA ALFIREVIC⁴, D. CIHLAR⁵, E. VANDAMME⁶, Z.
KURTANJEK³

Mathematical modelling of kinetics and pharmacokinetics of microbial processes in vivo

¹Croatian Academy of Engineering, Zagreb, Croatia; ²Veterina Inc., Rakov Potok, Croatia; ³Faculty of Food Technology and Biotechnology, University of Zagreb; ⁴Department of Emergency Medicine, University Department of Medicine, University Hospital; ⁵Infoptim Ltd., Zagreb, Croatia; ⁶Department of Biochemical and Microbial Technology, Faculty of Bioscience Engineering, Ghent University, Gent, Belgium

Friday, October 9

Room Gulács

8.00 - 11.45 **Session Environmental Microbiology**

Chairpersons: Erika M. TÓTH and Csaba DOBOLYI

8.00 - 8.20

EML-1

*I. NAGY¹, R. W. KNISPEN¹, CHRISTINE KOFLER¹, M. BOICU¹, ELISABETH WEYHER-STINGL², J. KUKOLYA^{1,3}, S. NICKELL¹, W. BAUMEISTER¹

Quinone bodies of *Thermoplasma acidophilum*

¹Department of Structural Biology; ²Core Facility, Max Planck Institute of Biochemistry, Martinsried, Germany; ³Regional Center of Excellence Laboratory, Szent István University, Gödöllő, Hungary

8.20 - 8.35

EML-2

*ERZSÉBET BAKA¹, B. KRISZT², B. JENES³, M. IVANICS³, I. NAGY⁴, J. KUKOLYA⁵

Developing of genetic tools for the model organism, *Thermoplasma acidophilum*

¹Regional University Center of Excellence in Environmental Industry; ²Department of Environmental Protection & Environmental Safety, Szent István University; ³Agricultural Biotechnology Center, Gödöllő; ⁴Department of Structural Biology, Max Planck Institute of Biochemistry, Martinsried, Germany; ⁵Agruniver Holding Ltd., Gödöllő, Hungary

8.35 - 8.50

EML-3

DUBRAVKA HRSAK¹, *M. BOSNJAK²

Integrated approach to mathematical modelling of atrazine biodegradation in different reaction systems

¹Center for Marine and Environmental Research, The Rudjer Boskovic Institute; ²Croatian Academy of Engineering, Zagreb, Croatia

8.50 - 9.05

EML-4

RITA SIPOS, ANITA MOHR, ÉVA MÉSZÁROS, G. CEBE, SÁRA RÉVÉSZ, K. MÁRIALIGETI

The application of the MDA method in microbial community analysis of TCE contaminated groundwater

Department of Microbiology, Eötvös Loránd University, Budapest, Hungary

9.05 - 9.20

EML-5

ÉVA MÉSZÁROS¹, IVONNE NIJENHUIS², M. NIKOLAUSZ³

A novel multiplex catabolic-gene specific single nucleotide primer extension assay for the detection of putative dehalogenase expression

¹Department of Microbiology, Eötvös Loránd University, Budapest, Hungary; ²Department of Isotope Biogeochemistry; ³Department of Environmental Biotechnology, UFZ Helmholtz Centre for Environmental Research, Leipzig, Germany

9.20 - 9.45

Coffee break

Chairpersons: Dubravka Hrsak and Andrea Borsodi

9.45 - 10.00

EML-6

ERIKA M. TÓTH, ZSUZSA KÉKI, JUDIT MAKK, M. SZOBOSZLAY, VERONIKA BOHUS, K. MÁRIALIGETI
Biofilm formation and elimination from surfaces of industrial facilities

Department of Microbiology, Eötvös Loránd University, Budapest, Hungary

10.00 - 10.15

EML-7

*ZSÓFIA BARNA¹, CS. BOGNÁR², JUDIT KRISZTINA HORVÁTH³, M. KÁDÁR¹, ANITA SZAX¹, MÁRTA VARGHA¹

Prevalence of *Legionella* in water distribution systems, spas and cooling towers in Hungary

¹Department of Water Microbiology, National Institute for Environmental Health; ²Department of Bacteriology II; ³Department of Epidemiology, National Institute for Epidemiology, Budapest, Hungary

10.15 - 10.30

EML-8

*T. FELFÖLDI, R. GORÁL, ANNA J. SZÉKELY, K. MÁRIALIGETI

Polyphasic bacterial community analysis of an aerobic activated sludge removing phenols and thiocyanate from coke plant effluent

Department of Microbiology, Eötvös Loránd University, Budapest, Hungary

- 10.30 - 10.45 EML-9
*Z. G. HOMONNAY¹, GY. TÖRÖK¹, ANIKÓ BRUMBAUER², ÉVA MAJOR², BEATRIX PÁRKÁNY-SIMON², K. MÁRIALIGETI¹, ERIKA M. TÓTH¹
Bacterial communities and factors influencing their structures in drinking water network of Budapest
¹Department of Microbiology, Eötvös Loránd University; ²Water Quality and Environmental Protection Department, Waterworks of Budapest, Budapest, Hungary
- 10.45 - 11.00 EML-10
ANITA KERN, RENÁTA BÁNFI, M. KÁDÁR, MÁRTA VARGHA
Prevalence and seasonality of human viruses in Hungarian rivers
Department of Water Microbiology, National Institute for Environmental Health, Budapest, Hungary
- 11.00 - 11.15 EML-11
B. VAJNA¹, D. SZILI¹, ADRIENN NAGY², ENIKŐ SAJBEN³, L. MANCZINGER³, NÓRA SZÍJÁRTÓ⁴, KATALIN RÉCZEY⁴, K. MÁRIALIGETI¹
Microbial community structure changes during oyster mushroom substrate production
¹Department of Microbiology, Eötvös Loránd University, Budapest; ²Pilze-Nagy Ltd., Kecskemét; ³Department of Microbiology, University of Szeged, Szeged; ⁴Department of Applied Biotechnology and Food Science, Budapest University of Technology and Economics, Budapest, Hungary
- 11.15 - 11.30 EML-12
ZSÓFIA HEÉGER¹, JÚLIA KATALIN TÖRÖK², K. MÁRIALIGETI¹
Long term changes in the intracellular bacterium spectra of *Arcella* spp. (Lobosea, Arcellinida)
¹Department of Microbiology; ²Department of Systematic Zoology and Ecology, Eötvös Loránd University, Budapest, Hungary
- 11.30 - 11.45 EML-13
*POLONA JAMNIK, R. KOLI, MILA KRSTIC, P. RASPOR
Yeast *Saccharomyces cerevisiae* as a model organism for investigating action of oxidative/antioxidative compounds
Chair of Biotechnology, Microbiology and Food Safety, Department of Food Science and Technology, Biotechnical Faculty, University of Ljubljana, Ljubljana, Slovenia

Friday, October 9

Poster Room

8.30 - 9.00

Session Agricultural and Food Microbiology - Posters

AFP-1

*ENIKŐ SAJBEN, L. MANCZINGER, CS. VÁGVÖLGYI
**Isolation and characterization of *Pseudomonas tolaasii*
lytic phages**

Department of Microbiology, Faculty of Sciences and Informatics,
University of Szeged, Szeged, Hungary

AFP-2

Z. SASVÁRI¹, G. CSIMA¹, Z. BERZSENYI², KATALIN
POSTA¹

**Effects of long-term fertilizations on abundance and
diversity of arbuscular mycorrhizal fungi under maize
cropping system**

¹Microbiological and Environmental Toxicology Group, Institute of Plant
Protection, Szent István University, Gödöllő; ²Agricultural Research
Institute, Hungarian Academy of Sciences, Martonvásár, Hungary

AFP-3

*G. CSIMA¹, ANDREA GÓGÁN CSORBAINÉ², T.
KASSAI², KATALIN POSTA¹

**Real case application of commercial mycorrhiza product
„SYMBIVIT” in the horticulture**

¹Microbiological and Environmental Toxicology Group, Institute of Plant
Protection; ²Institute of Horticultural Technologies, Szent István University,
Gödöllő, Hungary

AFP-4

J. MAVRI¹, *M. BLAZIC¹, G. ANDERLUH², P. RASPOR¹
**A multifunctional biosensor based on surface plasmon
resonance for mycotoxin detection in water samples**

¹Microbiology and Food safety, Chair of Biotechnology, Biotechnical
Faculty; ²Infrastructural Centre for Surface Plasmon Resonance, University
of Ljubljana, Ljubljana, Slovenia

AFP-5

SZABINA LUNG¹, *M. TAKÓ¹, TSERENNADMID
RENTSENKHAND², JUDIT KRISCH³, T. PAPP¹, CS.
VÁGVÖLGYI¹

**Cellulolytic enzymes on agricultural waste in solid state
fermentation by *Zygomycetes***

¹Department of Microbiology, Faculty of Science and Informatics,
University of Szeged, Szeged; ²Institute of Biology, Mongolian Academy of
Sciences, Ulaanbaatar, Mongolia; ³Institute of Food Engineering, Faculty of
Engineering, University of Szeged, Szeged, Hungary

AFP-6

Q. D. NGUYEN, ZSUZSANNA BORI, NOÉMI M. SUJTÓ,
*JUDIT M. REZESSY-SZABÓ

**Power of response surface method: optimisation of
medium composition for fermentative production of
inulinase**

Department of Brewing and Distilling, Corvinus University of Budapest,
Budapest, Hungary

AFP-7

ZSUZSANNA VÁCZY¹, K. Z. VÁCZY¹, T. KAPTÁS¹,
ERZSÉBET SÁNDOR²

**Formation of fungicide resistance levels in *Botrytis
cinerea* in different wine regions of Hungary**

¹Research Institute for Viticulture and Enology, Eger; ²Department of Plant
Protection, Faculty of Agriculture, Centre for Agricultural Sciences,
University of Debrecen, Debrecen, Hungary

AFP-8

ILDIKÓ PUSPÁN, RITA KOVÁCS, ÉVA KÁRPÁTI, J.
KUTASI

**New feature of *Micrococcus roseus* soil inoculant
bacterium: Highly effective indole-3 acetic acid
production**

Saniplant Biotechnology Research & Development Ltd., Budapest,
Hungary

AFP-9

*DRAGOLJUB CVETKOVIC, ALEKSANDRA
VELICANSKI, GORDANA DIMIC, SUNCICA KOCIC-
TANACKOV, SINISA MARKOV, OLIVERA JOVANOV

Identification and antibiotic susceptibility of *Listeria*

***monocytogenes* from raw meat**

Faculty of Technology, University of Novi Sad, Novi Sad, Serbia

AFP-10

*M. AMBROZIC, KATARINA KOVAC, P. RASPOR

Food-borne viruses and food safety considerations

Chair of Biotechnology, Microbiology and Food Safety, Department of Food Science and Technology, Biotechnical Faculty, University of Ljubljana, Ljubljana, Slovenia

AFP-11

BARBARA JERSEK, TANJA ROZMAN, S. PISKERNIK, MAJDA HADOLIN KOLAR, P. RASPOR, *SONJA SMOLE MOZINA

Growth inhibition and thermal sensibilization of *Alicyclobacillus* spp. and *Bacillus cereus* spores with commercial rosemary extract formulations

¹Department of Food Science and Technology, Biotechnical Faculty, University of Ljubljana, Ljubljana, Slovenia

AFP-12

*ERZSÉBET ADRIÁN, M. KISS, JUDIT KEREKES POZSONYINÉ, SÁRA KOSTYÁK, ZSUZSANNA SRÉTERNÉ LANCZ

***Salmonella* contamination of laying flocks, eggs and egg products in Hungary**

Central Agricultural Office, Food and Feed Safety Directorate, Budapest, Hungary

AFP-13

KINGA LOOTZ¹, GY. SCHNEIDER¹, T. KOVÁCS²

Effect of different gas mixtures on the proliferation of resident flora members of foodstuffs

¹Department of Medical Microbiology and Immunology, University of Pécs, Pécs, Hungary; ²Enviroinvest-Waste Ltd., Budapest, Hungary

AFP-14

*MARIANN JUHÁSZ-ROMÁN¹, Z. KOVÁCS², ZSUZSA VARGA³, KATALIN NEMES⁴

Fermented milks, based on lactose-hydrolysed milk, supplemented with honey

¹Department of Microbiology and Biotechnology; ²Department of Physics and Controll, Corvinus University of Budapest; ³Department of Dietetics, Semmelweis University of Budapest; ⁴Department of Food Chemistry, Corvinus University of Budapest, Budapest, Hungary

AFP-15

*ÁGNES BELÁK, ANNA MARÁZ

Molecular typing of *Campylobacter coli* and *C. jejuni* isolates based on *fla-igs* PCR

Department of Microbiology and Biotechnology, Corvinus University of Budapest, Budapest, Hungary

AFP-16

*IVANA FILIPOVIC¹, LIDIJA KOZACINSKI¹, LIESBETH JACXSENS², ANDREJA RAJKOVIC², BELA NJARI¹, N. ZDOLEC¹

Analysis of microbial hazards and CCP determination in the meat from Tiblica production process

¹Department of Hygiene and Technology of Foodstuffs of Animal Origin, Faculty of Veterinary Medicine, University of Zagreb, Zagreb, Croatia; ²Laboratory of Food Microbiology and Food Preservation, Faculty of Bioscience Engineering, University of Ghent, Ghent, Belgium

AFP-17

MIRNA M. FUKA¹, STEFICA JANKOVIC¹, ANDREA SKELIN, S. REDZEPOVIC

Isolation and characterisation of autochthonous population of Enterococci in Istrian cheese

Department of Microbiology, Faculty of Agriculture, University of Zagreb, Zagreb, Croatia

AFP-18

*ANDREA SKELIN, MIRNA M. FUKA, BOJANA B. MATIJASIC, MIHAELA BLAZINKOV, S. REDZEPOVIC

Genetic diversity of the *Lactobacillus* community in autochthonous Istrian ewes cheese

Department of Microbiology, Faculty of Agriculture, University of Zagreb, Zagreb, Croatia

AFP-19

K. PÁL, KATALIN HUSZTI, ZSUZSANNA KONCZ, A. KISS, Z. NAÁR

Development of a novel molecular quantification method for probiotic bacteria, cultivated in prebiotic-containing liquid medium

EGERFOOD Regional Knowledge Centre, Eszterházy Károly College, Eger, Hungary

AFP-20

KATALIN HUSZTI, BOGLÁRKA LÉNÁRT,
ZSUZSANNA KONCZ, ZSUZSANNA FEJES, Z. NAÁR,
A. KISS

The effect of prebiotic ingredients of bakery basic materials on the growth of bacteria

EGERFOOD Regional Knowledge Centre, Eszterházy Károly College,
Eger, Hungary

AFP-21

JASNA BEGANOVIC, BLAZENKA KOS, ANDREJA
LEBOS PAVUNC, M. DUKIC, I. RADOS, J. SUSKOVIC

Influence of microencapsulation and freeze-drying on functionality of probiotic bacteria

Laboratory for Antibiotic, Enzyme, Probiotic and Starter Culture
Technology, Faculty of Food Technology and Biotechnology, University of
Zagreb, Zagreb, Croatia

AFP-22

TSERENNADMID RENTSENKHAND¹, *M. TAKÓ², L.
GALGÓCZY², T. PAPP², CS. VÁGVÖLGYI², JUDIT
KRISCH³

Essential oils against food spoilage bacteria and yeasts

¹Institute of Biology, Mongolian Academy of Sciences, Ulaanbaatar,
Mongolia; ²Institute of Food Engineering, Faculty of Engineering;
³Department of Microbiology, Faculty of Science and Informatics,
University of Szeged, Szeged, Hungary

AFP-23

JUDIT KRISCH¹, L. GALGÓCZY², T. HEVÉR³, L.
OROSZ³, T. PAPP², CS. VÁGVÖLGYI²

Effect of fruit extracts on food borne pathogens

¹Institute of Food Engineering, Faculty of Engineering; ²Department of
Microbiology, Faculty of Science and Informatics, University of
Szeged; ³Southern Great Plain Regional Institute of National Public Health
and Medical Officers' Services, Szeged, Hungary

AFP-24

JUDIT KRISCH¹, ZSUZSANNA PARDI¹, A. VÉHA¹, T.
PAPP², CS. VÁGVÖLGYI²

Effect of spices on the germ count of ground pork

¹Institute of Food Engineering, Faculty of Engineering; ²Department of
Microbiology, Faculty of Science and Informatics, University of Szeged,
Szeged, Hungary

AFP-25

*J. VARGA^{1, 2}, S. KOCSUBÉ¹, KATALIN SURI¹, R. A. SAMSON²

Mycotoxigenic black Aspergilli in raisins of different origin

¹Department of Microbiology, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary; ²CBS Fungal Biodiversity Centre, Utrecht, The Netherlands

AFP-26

J. MAVRI¹, *M. BLAZIC¹, G. ANDERLUH², P. RASPOR¹

A multifunctional biosensor based on surface plasmon resonance for mycotoxin detection in water samples

¹Microbiology and Food safety, Chair of Biotechnology, Biotechnical Faculty; ²Infrastructural Centre for Surface Plasmon Resonance, University of Ljubljana, Ljubljana, Slovenia

AFP-27

P. KÖRMÖCZI¹, B. LEITGEB², TÍMEA CSEH¹, *L. HATVANI¹, L. MANCZINGER¹, CS. VÁGVÖLGYI¹, L. KREDICS¹

An image analysis-based method for the evaluation of the aggressivity of *Trichoderma* strains towards *Pleurotus ostreatus*

¹Department of Microbiology, Faculty of Science and Informatics, University of Szeged; ²Institute of Biophysics, Biological Research Center of the Hungarian Academy of Sciences, Szeged, Hungary

AFP-28

*CS. NÉMETH, L. FRIEDRICH, KÁLMÁNNÉ KONCZ, CS. BALLA

Examinations to develop an alternative Pasteurisation method

Department of Refrigeration and Livestock Products Technology, Corvinus University of Budapest, Budapest, Hungary

AFP-29

PETRA HAVAS, Q. D. NGUYEN, JUDIT M. REZESSY-SZABÓ

Inducibility of galactosidase enzymes from *Lactobacillus acidophilus* la-5

Department of Brewing and Distilling, Faculty of Food Science, Corvinus University of Budapest; Budapest, Hungary

AFP-30

ZSUZSANNA KONCZ, KATALIN HÓCZA-HUSZTI, A. KISS, Z. NAÁR, Á. SZÉCSI

PCR-based identification of *Fusarium* species of wheat grain origin

EGERFOOD Regional Knowledge Centre, Eszterházy Károly College, Eger, Hungary

AFP-31

JUDIT KRISCH¹, V. ÖRVENDI¹, JUDIT PAP¹, M. TAKÓ², CS. VÁGVÖLGYI²

Effect of solid state fermentation on the antioxidant and antimicrobial properties of sour cherry pomace

¹Institute of Food Engineering, Faculty of Engineering; ²Department of Microbiology, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary

AFP-32

S. PISKERNIK¹, ANJA KLANCNIK¹, CHARLOTTE TANDRUP RIEDEL², LONE BRØNDSTED², SONJA SMOLE MOZINA¹

Reduction of *Campylobacter jejuni* by natural antimicrobials under different environmental conditions

¹Department of Food Science and Technology, Biotechnical Faculty, University of Ljubljana, Ljubljana, Slovenia; ²Department of Disease Biology, Faculty of Life Sciences, University of Copenhagen, Frederiksberg, Denmark

9.30 - 10.30

Session Mycology - Posters

MP-1

*RENATA TEPARIC, V. MRSA

Using *Saccharomyces cerevisiae* cell wall proteins as an anchor for expression of heterologous proteins at the cell surface

Laboratory of Biochemistry, Faculty of Food Technology and Biotechnology, University of Zagreb, Zagreb, Croatia

MP-2

Z. GAZDAG¹, J. BELÁGYI², S. FUJS³, P. RASPOR³, NIKOLETTA KÁLMÁN¹, B. KŐSZEGI¹, G. MÁTÉ¹, T. EMRI⁴, I. PÓCSI⁴, *M. PESTI¹

The unbalanced oxidoreduction state of the respiratory deficient mutant *Schizosaccharomyces pombe*

¹Department of General and Environmental Microbiology, Faculty of

Sciences; ²Department of Biophysics, Medical School, University of Pécs, Pécs; ³Department of Food Science and Technology, Biotechnical Faculty, University of Ljubljana, Ljubljana, Slovenia; ⁴Department of Microbial Biotechnology and Cell Biology, Faculty of Science and Technology, University of Debrecen, Debrecen, Hungary

MP-3

*MARTINA AVBELJ, P. RASPOR

Communication between yeast colonies on solid agar

Department of Food Science and Technology, Biotechnical Faculty, University of Ljubljana, Ljubljana, Slovenia

MP-4

*ANNA MÓNUS, ANNA HORVÁTH, Á. SVEICZER

Statistical analysis of the time-profile of cell length growth in fission yeast

Department of Applied Biotechnology and Food Science, Budapest University of Technology and Economics; Budapest, Hungary

MP-5

Z. KARÁCSONY, CS. VÁGVÖLGYI, JUDIT SZENZENSTEIN, DÓRA NAGY, ZSUZSANNA HAMARI
Investigation of role of chromatin associated Hmg-Box proteins in *Aspergillus nidulans*

Department of Microbiology, Faculty of Sciences and Informatics, University of Szeged, Szeged, Hungary

MP-6

*D. KNAPP, G. M. KOVÁCS

Study of root colonizing dark septate endophytic fungi of invasive and indigenous plants of semiarid sandy areas

Department of Plant Anatomy, Institute of Biology, Eötvös Loránd University, Budapest, Hungary

MP-7

*ZS. ERŐS-HONTI¹, ERZSÉBET JAKUCS²

Characterization of beech ectomycorrhizae related to the *Pachyphloeus-Amylascus* lineage (Ascomycetes, Pezizaceae)

¹Department of Botany and Soroksár Botanical Garden, Faculty of Horticultural Science, Corvinus University of Budapest; ²Department of Plant Anatomy, Institute of Biology, Eötvös Loránd University, Budapest, Hungary

MP-8

*TÍMEA BALÁZS¹, J. BLASZKOWSKI², G. M. KOVÁCS¹

Arbuscular mycorrhizal fungi of semiarid sandy areas on the Great Hungarian Plain. What the spores can tell us?

¹Department of Plant Anatomy, Institute of Biology, Eötvös Loránd University, Budapest, Hungary; ²Department of Plant Protection, West Pomeranian University of Technology, Szczecin, Poland

MP-9

T. PAPP¹, *ILDIKÓ NYILASI¹, T. PETKOVITS¹, L. NAGY¹, KERSTIN VOIGT², KERSTIN HOFFMANN², CS. VÁGVÖLGYI¹

Molecular identification and phylogeny of *Mortierella wolfii*

¹Department of Microbiology, Faculty of Sciences and Informatics, University of Szeged, Szeged, Hungary; ²Fungal Reference Centre, Institute of Microbiology, Friedrich Schiller University Jena, Jena, Germany

MP-10

*S. KOCSUBÉ¹, GABRIELA MALINOVSKI², L. GALGÓCZY¹, CS. VÁGVÖLGYI¹

A PCR based approach for identifying *Microsporum canis* and *Trichophyton tonsurans*

¹Department of Microbiology, University of Szeged, Szeged, Hungary; ²Department of Dermatology, University of Medicine and Pharmacy „Iuliu Hatieganu”, Cluj Napoca (Kolozsvár), Romania

MP-11

É. KRISTON-PÁL, Z. FARKAS, ZSUZSANNA HAMARI, CS. VÁGVÖLGYI, ILONA PFEIFFER, JUDIT KUCSERA

Killer properties of the yeast biota in a winery of the Villány Region

Department of Microbiology, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary

MP-12

Z. FARKAS, R. BÁNLAKI, Á. SZEPESI, JUDIT KUCSERA, CS. VÁGVÖLGYI, ILONA PFEIFFER

Differentiation of *Candida albicans* isolates on the basis of polymorphic mtDNA

Department of Microbiology, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary

MP-13

Z. FARKAS¹, E. DÁVID¹, B. MILITÁR¹, JUDIT KUCSERA¹, CS. VÁGVÖLGYI¹, P. MANIKANDAN², N. B. SANTHOSH³, M. BHASKAR⁴, ILONA PFEIFFER¹

The occurrence of cryptococcosis in an Indian hospital - identification and characterisation of the strains

¹Department of Microbiology, Faculty of Science, University of Szeged, Szeged, Hungary; ²Aravind Eye Hospital and Postgraduate Institute of Ophthalmology; ³Coimbatore Medical College, Coimbatore, India; ⁴Government Mohan Kumaramangalam Medical College, Salem, India

MP-14

G. KORSÓS¹, J. HUNYADKÜRTI¹, Z. FARKAS¹, J. MÁRKI-ZAY², JUDIT KUCSERA¹, CS. VÁGVÖLGYI¹, ILONA PFEIFFER¹

In vitro activity of different statins on the permeability of yeast plasma membrane

¹Department of Microbiology, Faculty of Science and Informatics, University of Szeged; ²SOLVO Biotechnology, Szeged, Hungary

MP-15

ILDIKÓ NYILASI^{1,2}, S. KOCSUBÉ^{1,2}, KRISZTINA KRIZSÁN², L. GALGÓCZY², CS. VÁGVÖLGYI², T. PAPP²

In vitro synergistic interactions between statins and various azole antifungals against some clinically important fungi

¹PannonPharma Ltd., Pécsvárad; ²Department of Microbiology, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary.

MP-16

ILDIKÓ NYILASI^{1,2}, L. GALGÓCZY², GYÖNGYI LUKÁCS³, T. PAPP², CS. VÁGVÖLGYI²

In vitro susceptibility of different Zygomycetes to statins and combinations of statins and amphotericin b

¹PannonPharma Ltd., Pécsvárad; ²Department of Microbiology, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary; ³Centre for Research on Adaptive Nanostructures and Nanodevices (CRANN), Naughton Institute, Trinity College Dublin, Dublin, Ireland

MP-17

L. GALGÓCZY, LILLA ÖRDÖGH, M. VIRÁGH, T. PAPP, CS. VÁGVÖLGYI

In vitro interaction between suramin and amphotericin b

against clinically important Zygomycetes

Department of Microbiology, Faculty of Science and Informatics,
University of Szeged, Szeged, Hungary

MP-18

*ENIKŐ BARABÁS-HAJDU¹, ENIKŐ FARKAS², DOINA BILCA², ÁGNES MIHÁLY², ERIKA PÉTER¹, ANNAMÁRIA BARTHA¹

Fungal infections in immune suppressed patients

¹Department of Microbiology, University of Medicine and Pharmacy;

²Microbiology Unit, Emergency County Hospital, Tg. Mures, Romania

MP-19

*SEDIGH BAYEGAN¹, JUDIT SZILÁGYI¹, R. GESZTELYI², G. KARDOS¹, JULIANNA MÓZES¹, Á. KEMÉNY-BEKE³, ZSUZSANNA SZABÓ¹, R. KOVÁCS¹, L. MAJOROS¹

Correlation between postantifungal effect and the efficacy of single 5 and 10 mg/kg caspofungin doses for treatment of disseminated candidiasis caused by *Candida krusei* in a neutropenic mouse model

¹Department of Medical Microbiology; ²Department of Pharmacology and Pharmacodynamics; ³Department of Ophthalmology, Medical and Health Science Center, University of Debrecen, Debrecen, Hungary

MP-20

ILDIKÓ NYILASI¹, T. PETKOVITS¹, L. NAGY¹, KERSTIN VOIGT², KERSTIN HOFFMANN², L. MERVA¹, CS. VÁGVÖLGYI¹, T. PAPP¹

Phylogenetic and physiological characterization of filamentous fungi belonging to the order Mortierellales

¹Department of Microbiology, Faculty of Sciences and Informatics, University of Szeged, Szeged, Hungary; ²Institute of Microbiology, Fungal Reference Centre, Friedrich Schiller University Jena, Jena, Germany

MP-21

KRISZTINA KRIZSÁN¹, L. NAGY¹, HAJNALKA FÜRTÖN¹, PALANISAMY MANIKANDAN², VENKATAPATHY NARENDRAN², RAJARAMAN REVATHI², ANITA RAGHAVAN², BHASKAR MADHAVAN³, CS. VÁGVÖLGYI¹, T. PAPP¹

Characterization of *Bipolaris* isolates using molecular and biochemical markers

¹Department of Microbiology, Faculty of Sciences and Informatics, University of Szeged, Szeged, Hungary; ²Aravind Eye Hospital and

Postgraduate Institute of Ophthalmology; ³Department of Microbiology, Coimbatore Medical College, Coimbatore, Tamilnadu, India

MP-22

JUDIT HÁZI, L. G. NAGY, T. PAPP, CS. VÁGVÖLGYI

Increased rate of diversification in the genus *Coprinellus*?

Department of Microbiology, Faculty of Sciences, University of Szeged, Szeged, Hungary

MP-23

L. G. NAGY, CS. VÁGVÖLGYI, T. PAPP

Evolutionary processes of fungal fruiting bodies

Department of Microbiology, Faculty of Sciences, University of Szeged, Szeged, Hungary

MP-24

Á. CSERNETICS, T. PAPP, G. NAGY, CS. VÁGVÖLGYI

Characterization of *Mucor circinelloides* transformants carrying autonomously replicating plasmids

Department of Microbiology, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary

MP-25

G. NAGY, Á. CSERNETICS, CS. VÁGVÖLGYI, T. PAPP

Cloning and characterization of three *HMG-CoA* reductase genes in *Mucor circinelloides*

Department of Microbiology, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary

MP-26

NIKOLETTA KÁLMÁN¹, KRISZTINA TAKÁCS¹, Z. GAZDAG¹, O. BENCSIK², CS. VÁGVÖLGYI², T. PAPP², *M. PESTI¹

Sensitivity of genetically modified *Mucor circinelloides* to various stress responses

¹Department of General and Environmental Microbiology, Institute of Biology, Faculty of Sciences, University of Pécs, Pécs; ²Department of Microbiology, Faculty of Sciences and Informatics, University of Szeged, Szeged, Hungary

MP-27

F. SOMOGYVÁRI¹, Á. HORVÁTH¹, S. KOCSUBÉ², J. VARGA², CS. VÁGVÖLGYI²

Detection of important fumonisin b₂ producer black *Aspergilli* by high resolution melting point analysis

¹Department of Medical Microbiology and Immunology; ²Department of

Microbiology, University of Szeged, Szeged, Hungary

MP-28

BEÁTA LINKA, T. PAPP, CS. VÁGVÖLGYI¹

Isolation and characterization of four catalase genes from *Rhizopus oryzae*

Department of Microbiology, Faculty of Sciences and Informatics, University of Szeged, Szeged, Hungary.

MP-29

LAURA KOVÁCS, L. GALGÓCZY, M. VIRÁGH, T. PAPP, CS. VÁGVÖLGYI

Identification and partial characterisation of a gene coding for an antimicrobial peptide in *Neosartorya fischeri*

Department of Microbiology, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary

MP-30

KRISZTINA KRIZSÁN¹, O. BENCSIK¹, A. SZEKERES², CS. VÁGVÖLGYI¹, T. PAPP¹

Antifungal effect of ophiobolins

¹Department of Microbiology, Faculty of Sciences and Informatics, University of Szeged, Szeged; ²Analytical Laboratory, FumoPrep Ltd., Mórahalom, Hungary

MP-31

DANIELA JAKSIC¹, MAJA SEGVIC KLARIC¹, O. PUEL², S. PEPELJNJAK¹, I. KOSALEC¹

Cytotoxicity of some furofuran precursors of aflatoxin biosynthesis

¹Department of Microbiology, Faculty of Pharmacy and Biochemistry, University of Zagreb, Zagreb, Croatia; ²Immuno-mycotoxicologie Equipe, Laboratoire de Pharmacologie & Toxicologie, INRA Institute, Toulouse, France

MP-32

ESZTER HORVÁTH¹, G. PAPP¹, Z. GAZDAG¹, NIKOLETTA KÁLMÁN¹, J. BELÁGYI², NÓRA MIKE¹, CS. VÁGVÖLGYI³, *M. PESTI¹

The influence of patulin on *Schizosaccharomyces pombe* plasma membrane

¹Department of General and Environmental Microbiology, Faculty of Sciences; ²Institute of Biophysics, Faculty of Medicine, University of Pécs, Pécs, ³Department of Microbiology, Faculty of Sciences and Informatics, University of Szeged, Szeged, Hungary

MP-33

ZSUZSANNA VÁCZY¹, K. Z. VÁCZY¹, T. KAPTÁS¹,
ERZSÉBET SÁNDOR²

Formation of fungicide resistance levels in *Botrytis cinerea* in different wine regions of Hungary

¹Research Institute for Viticulture and Enology, Eger; ²Department of Plant Protection, Faculty of Agriculture, Centre for Agricultural Sciences, University of Debrecen, Debrecen, Hungary

MP-34

*MÓNIKA KOVÁCS, GABRIELLA KISKÓ,
ANNAMÁRIA ERŐSS, ANNA MARÁZ

Screening of *Debaryomyces occidentalis* strains for amylolytic activity and ethanol production

Department of Microbiology and Biotechnology, Corvinus University of Budapest, Budapest, Hungary

MP-35

*GABRIELLA HELLNER^{1, 2}, ENIKŐ RITA TŐKE³,
VIVIÁNA NAGY⁴, GY. SZAKÁCS⁴, L. POPPE³

Enzymatic one-pot production of specific structured lipids and plant sterol esters

¹Department of Microbiology and Biotechnology, Corvinus University of Budapest; ²Bunge Europe Research and Development Center; ³Department of Organic Chemistry and Technology, and Research Group for Alkaloid Chemistry; ⁴Department of Applied Biotechnology and Food Science, Budapest University of Technology and Economics, Budapest, Hungary

MP-36

ILDIKÓ NYILASI^{1,2}, CS. VÁGVÖLGYI², S. KOCSUBÉ^{1,2},
M. TAKÓ², M. PESTI³, T. PAPP²

Various statins in combination with primycin against some clinically important fungi

¹PannonPharma Ltd., Pannonpharma str. 1, H-7720 Pécsvárad, Hungary; ²Department of Microbiology, Faculty of Science and Informatics, University of Szeged, Közép fasor 52., H-6726 Szeged, Hungary; ³Department of General and Environmental Microbiology, Faculty of Sciences, University of Pécs, Ifjúság u. 6, H-7624 Pécs, Hungary

MP-37

*T. EMRI¹, VIKTÓRIA TÓTH¹, ZS. SPICZMÜLLER¹, G.
VASAS², MELINDA SZILÁGYI¹, I. PÓCSI¹

Glutathione metabolism of carbon starving *Aspergillus nidulans* cultures

¹Department of Microbial Biotechnology and Cell Biology; ²Department of

Botany, Faculty of Science and Technology, University of Debrecen,
Debrecen, Hungary

MP-38

KATALIN HÓCZA-HUSZTI, ZSUZSANNA KONCZ, A.
KISS, Z. NAÁR

**High-resolution melting assay for the identification of
Fusarium species**

EGERFOOD Regional Knowledge Centre, Eszterházy Károly College,
Eger, Hungary

MP-39

*S. KOCSUBÉ, ELVIRA FARKAS, L. GALGÓCZY, CS.
VÁGVÖLGYI, T. PAPP

**In vitro anticandidal activity of thermal water from
Makó on various *Candida* species**

Department of Microbiology, Faculty of Science and Informatics,
University of Szeged, Szeged, Hungary

MP-40

*S. KOCSUBÉ, LEILA KEREPEŠ, J. VARGA, CS.
VÁGVÖLGYI

**Examination of the diversity of indoor moulds in a
student hostel**

Department of Microbiology, Faculty of Science and Informatics,
University of Szeged, Szeged, Hungary

MP-41

MAJA PAS¹, SIMONA STRNAD², ALENKA
FABJANCIC¹, P. RASPOR¹

Antifungal activity assessment of finished cotton fabrics

¹Chair of Biotechnology, Food Science and Technology Department,
Biotechnical Faculty, University of Ljubljana, Ljubljana, Slovenia;

²Characterization and Processing of Polymers Laboratory, Institute for
Engineering Materials and Design, Faculty of Mechanical Engineering,
University of Maribor, Maribor, Slovenia

MP-42

*M. TAKÓ, T. PAPP, CS. VÁGVÖLGYI

Extracellular lipase activities in *Zygomycetes*

Department of Microbiology, Faculty of Science and Informatics,
University of Szeged, Szeged, Hungary

MP-43

BEÁTA TÓTH¹, MÁRIA CSŐSZ¹, R. A. SAMSON², *J. VARGA^{2,3}

Occurrence of *Alternaria* species on wheat leaf lesions in Hungary

¹Cereal Research Non-profit Ltd. Company, Szeged; ²CBS Fungal Biodiversity Centre, Utrecht, The Netherlands; ³Department of Microbiology, Faculty of Science and Informatics, University of Szeged, Szeged, Hungary

MP-44

*ANDRÁS SZEKERES¹, ERIKA VÉKES², LÁSZLÓ NÉMETH²TIBOR, BARTÓK³

Purification of fumonisin B1 mycotoxin.

¹FumoPrep Ltd., Mórahalom; ²Edison House Holding Co., Újlengyel; ³Cereal Research Non-Profit Company, Szeged, Hungary, H-6726

10.30 - 11.00

Session Industrial Microbiology - Posters

IMP-1

*ERIKA BUJNA, L. KOZMA, Q. D. NGUYEN, JUDIT M. REZESSY-SZABÓ

Production and purification of extracellular phytase from *Thermomyces lanuginosus*

Department of Brewing & Distilling, Faculty of Food Science, Corvinus University of Budapest, Budapest, Hungary

IMP-2

ÉVA ERDEI^{1, 5}, MONIKA MOLNAR², GYÖNGYI GYÉMÁNT³, J. HARANGI⁴, J. NAGY⁵, I. PÓCSI¹

Fermentation characteristics of the yeast strain *Kluyveromyces marxianus* CBS712

¹Department of Microbial Biotechnology and Cell Biology, Faculty of Science and Technology, University of Debrecen, Debrecen; ²Agricultural and Molecular Research Institute, College of Nyíregyháza, Nyíregyháza; ³Department of Inorganic and Analytical Chemistry; ⁴Department of Biochemistry, Faculty of Science and Technology; ⁵Institute for Land Utilisation, Technology and Regional Development, Center of Agricultural and Technical Sciences, Faculty of Agriculture, University of Debrecen, Debrecen, Hungary.

IMP-3

*BIRGIT S. GRUBEN¹, ULLA CHRISTENSEN², I. NIKOLAEV², R. P. DE VRIES^{1,3}

Regulation of d-galactose metabolism in *Aspergillus nidulans*

¹Microbiology, Utrecht University, Utrecht, The Netherlands; ²Danisco-Genencor, Leiden, The Netherlands; ³CBS-KNAW Fungal Biodiversity Centre, Utrecht, The Netherlands

IMP-4

J. KUTASI, KÁLMÁNNÉ SZÉNÁSI, Á. BATA

The effect of a zinc- and iron-chelates on the viability of the fungus *Thermomyces lanuginosus* and the stability of the produced endo-1,4-beta-xylanase

Dr. Bata Canadian-Hungarian Biotechnological R&D Co., Dabas, Hungary

IMP-5

*M. MIKUS, ERZSÉBET. FEKETE, L. KARAFFA, M.J. VAN DER WERF, B. SEIBOTH, C. P. KUBICEK

Lactose induction of cellulase gene expression in *Hypocrea jecorina*: A role for galactosyl-transferases?

Research Area Gene Technology and Applied Biochemistry, Institute of Chemical Engineering, TU Wien, Wien, Austria

IMP-6

*I. NAGY¹, B. HORVÁTH¹, Á. TÓTH², S. SZOBOSZLAY³, I. NAGY^{4,6}, J. KUKOLYA^{5,6}

Genome analysis of the *Thermobifida* genus using High-Throughput Sequencing

¹Institute for Plant Genomics, Human Biotechnology and Bioenergy, Bay Zoltán Foundation for Applied Research, Szeged; ²Regional University Center of Excellence in Environmental Industry; ³Department of Environmental Protection & Environmental Safety, Szent István University, Gödöllő; ⁴Department of Structural Biology, Max Planck Institute of Biochemistry, Martinsried, Germany; ⁵Agruniver Holding Ltd.; ⁶Zymbiosys Ltd., Gödöllő, Hungary

IMP-7

P. PIELA¹, T. MICHAŁOWSKI², RENATA MILTKO², K. W. SZEWCZYK³, R. SIKORA⁴, ELŻBIETA GRZESIUK⁵, *ANNA SIKORA⁵

Electricity generation in a biohydrogen fuel cell using a fermentation gas produced by rumen ciliates

¹Industrial Chemistry Research Institute, Warsaw, Poland; ²Institute of

Animal Physiology and Nutrition, PAS, Jablonna, Poland; ³Faculty of Chemical and Process Engineering; ⁴Institute of Radioelectronics, Warsaw University of Technology, Warsaw, Poland; ⁵Institute of Biochemistry and Biophysics, PAS, Warsaw, Poland

IMP-8

TSERENNADMID RENTSENKHAND¹, *M. TAKÓ², SZABINA LUNG², JUDIT KRISCH³, T. PAPP², CS. VÁGVÖLGYI²

Purification and partial characterization of an extracellular beta-glucosidase from *Mucor corticolus*

¹Institute of Biology, Mongolian Academy of Sciences, Ulaanbaatar, Mongolia; ²Department of Microbiology, Faculty of Science and Informatics; ³Institute of Food Engineering, Faculty of Engineering, University of Szeged, Szeged, Hungary

IMP-9

*TONCI REZIC¹, MICHAELA ZEINER², B. SANTEK¹, S. NOVAK¹

Heavy metals removal in a horizontal rotating tubular bioreactor

¹Department of Biochemical Engineering, Faculty of Food Technology and Biotechnology, University of Zagreb, Zagreb, Croatia; ²Department of Analytical and Food Chemistry, Faculty of Chemistry, University of Vienna, Vienna, Austria

IMP-10

*ANNA SIKORA¹, ALEKSANDRA CHOJNACKA¹, URSZULA ZIELENKIEWICZ¹, KAROLINA TOMCZYK¹, P. PIELA², ELŻBIETA GRZESIUŁ¹, M. K. BŁASZCZYK³

Hydrogen production by continuous culture of fermentative bacteria on waste substrates

¹Institute of Biochemistry and Biophysics, PAS; ²Industrial Chemistry Research Institute; ³Department of Agriculture and Biology, Warsaw Agriculture University, Warsaw, Poland

IMP-11

*ANNA SIKORA¹, JUSTYNA WÓJTOWICZ¹, P. KOWALCZYK², K. SZEWCZYK³, P. PIELA⁴, ALEKSANDRA CHOJNACKA¹, ELŻBIETA GRZESIUŁ¹, M. BŁASZCZYK⁵

Continuous cultures of ferric (Fe⁺³) reducing anaerobic microorganisms mixed population

¹Institute of Biochemistry and Biophysics, PAS, Warsaw, Poland; ²Faculty of Biology, University of Warsaw, Warsaw, Poland; ³Faculty of Chemical and Process Engineering, Warsaw University of Technology, Warsaw,

Poland; ⁴Industrial Chemistry Research Institute, Warsaw, Poland;
⁵Department of Agriculture and Biology, Warsaw Agriculture University,
Warsaw, Poland

IMP-12

*M. TAKÓ¹, O. BENCSIK¹, JUDIT KRISCH², T. PAPP¹,
CS. VÁGVÖLGYI¹

**Transglycosylation activity of a beta-glucosidase from
*Rhizomucor miehei***

¹Department of Microbiology, Faculty of Science and Informatics; ²Institute
of Food Engineering, Faculty of Engineering, University of Szeged, Szeged,
Hungary

General Informations

Registration and Information Desk

The Registration Desk will be in the Entrance Hall of the Congress Venue (Hotel Helikon; Balatonpart 5, H-8360 Keszthely), opposite to the reception desk. The desk will be opened

Tuesday,	October 6.	18.00 - 21.30
Wednesday,	October 7.	7.30 - 17.00
Thursday,	October 8.	8.00 - 13.00
Friday	October 9.	8.00 - till the end of sessions.

Payment at the desk will be available in Hungarian Forints. At the reception desk of the hotel there is a possibility to change money, and there is a teller machine (ATM) in the hotel.

During CEFORM, information and help may be obtained at the Registration Desk. Chemol Travel Ltd. (Incoming & Congress Department, Deák Ferenc utca 10, Budapest, H-1052 Hungary; phone: +36-1-266-7032; Fax: +36-1-266-7033; E-mail: incoming@chemoltravel.hu) will be happy to help you at the Registration Desk.

The CEFORM Programme with any last-minute changes will be available at the Registration desk, and on the doors of the lecture halls.

Congress Venue

CEFORM will be held in Hotel Helikon (8360 Keszthely, Balatonpart 5.; www.danubiushotels.com/helikon).

Accommodation

Accommodation of participants is either in Hotel Helikon, or in Hotel Kristály (8360 Keszthely, Lovassy u. 20.).

The prices include breakfast, lunch, and the use of the hotel swimming pool (Hotel Helikon), parking and taxes.

Presentations

Presentations will be held in the lecture halls of Hotel Helikon. The official language of CEFORM is English (including all talks and posters). *Posters and figures of talks of the Annual Meeting of the Hungarian Society for Microbiology will also be in English* and CEFORM participants will have an opportunity to take part in discussion.

Speakers (excepting invited, and introductory lectures) will have 10 (short lecture) or 15 (lecture) minutes, which include questions and discussion.

The time limit will be as strictly enforced as possible. Standard audio-visual equipment will be provided (video projector & computer). Please indicate your special needs (e.g. dual projecting, slide projector [50 by 50 mm slides], overhead projector) by e-mail to the Meetings Secretary (fotitkar@mmt.org.hu).

Speakers and chairpersons should meet minimum 5 minutes before their relevant sessions to be briefed and to fill up the presentation, to become acquainted with audio/visual aids etc. and resolve any problems. Please take your time to organise your presentation correctly!

Posters will be displayed in the Poster Hall for three full days. Please mount your poster as soon as possible, preferably on October 6 afternoon, but not later than October 7 noon. To install your posters please look up the number of your presentation in the Programme booklet and find your number on the provided boards. Help from our staff (if needed), as well as pins to install your poster will be provided. During the Poster Session authors of posters are requested to be present at their posters at the time specified in the programme. This will give all participants the opportunity for questions and discussion. Poster displays however should be self-explanatory even in the absence of authors. Posters should not exceed a size of 85 cm (width) x 120 cm (height) (standing A₀).

There will be an award for the 2 most outstanding student posters. The awards will be based on the quality of content of the contribution and on the quality of the presentation (layout etc.). Please find a poster competition form in your Congress Bag and drop it in the appropriate box at the Registration Desk not later than October 8, Thursday noon. The poster awards will be announced at the Closing ceremony starting at noon on October 9. The 2 winning poster presenters will get a traditional Hungarian speciality.

CEFORM Proceedings

The CEFORM abstracts will be published in a Supplement issue of *Acta Microbiologica et Immunologica Hungarica*.

Invited speakers, and speakers of introductory talks are welcome to publish their contributions in the form of review and/or research articles in the journal **Acta Microbiologica et Immunologica Hungarica** (<http://www.akkrt.hu/main.php?folderID=1586&articleID=3857&ctag=articlelist&iid=1>).

Exhibition

A commercial exhibition related to microbial diagnostics, research and biotechnology will be organized during the meeting. A sponsorship programme ensures contributing organisations receive maximum exposure during the meeting.

Travel to Keszthely

Most participants coming from abroad, and travelling by plane or train will arrive to Budapest.

To participants arriving to Budapest by plane it is recommended to choose the „Airport Minibus” service to your hotel in the city, or directly to the railway station. Tickets are available at the stand in the Arrivals Hall.

To participants arriving to Hungary by international railway connections it is recommended to change to the direction of Keszthely in Budapest. At arrival we recommend the use of “Radio taxi” (it can be called by dialling 37-77-777), or public transport. Public transportation in Budapest is extensive, and reliable. Tickets must be purchased at Metro stations, Hotels, Tobacco shops, etc. in advance and validated on board. Use tickets valid for one ride only. Last busses and trams start from termini at approx. 11 p.m.

From Budapest direct railway connection is available to Keszthely:

Tuesday October 6, 2009

Departure		Arrival
16.40	Budapest Keleti pályaudvar	21.45 Keszthely
17,10	Budapest Keleti pályaudvar	21.45 Keszthely
18.03	Budapest Déli pályaudvar	22.02 Keszthely

Wednesday, October 7, 2009

06.05	Budapest Keleti Pályaudvar	09.31 Keszthely
07.13	Budapest Déli Pályaudvar	10.33 Keszthely

The hotels are in a 10 minutes walking distance from Keszthely Railway Station. Tuesday evening, and Wednesday morning a bus service will pick up CEFORM participants. Please look for the bus with CEFORM inscription in front of the railway station.

Participants coming by car should follow the shields of Hotel Helikon. The hotels are located close to the harbour of Keszthely. The use of the parking place of the Hotel Helikon is free for CEFORM participants. Before you leave ask for a card at the Reception desk. (For your orientation please refer to the maps below:

<http://www.terkepcentrum.hu/index.asp?go=map3eu&rid=1&pid=0&sx=&sy=&lx=0&ly=0&tertip=hu&cx=19.400000&cy=47.300000&z=200.000000&wgsy1=&wgsy2=&wgsx1=&wgsx2=&p1.x=42&p1.y=123>

<http://www.terkepcentrum.hu/index.asp?go=mapszarvashu2&sx=1000&sy=1000&ex=1268,61538461538&ey=3038,45333333333&tertip=szarvashu2>

<http://www.terkepcentrum.hu/index.asp?go=map&pid=0&mid=20&tid=18421&lid=0&rid=0&sx=520&sy=520&cx=-348,375&cy=-72,75&zoom=3.375&pcz=1,50&x=248&y=180>

Meals and Banquet

Breakfasts to all guests will served be in the hotel, where they have their accommodation. All other meals (lunch, dinner) will be arranged in the Restaurant of the Hotel Helikon on a buffet basis: different main dishes (including vegetarian, etc.), soups and a broad selection of entrées, desserts are always at ones favour.

The banquet will be organized in the Festetich Castle.

Cultural Programs

Please check the advertisements, and tickets handed on by registration!

The organisers of the CEFORM take the opportunity to draw your attention to the world famous health spa of Héviz, close to Keszthely. The small, picturesque town of Héviz is one of Europe's major spas.

Emergencies

In case of emergency or if you need medical help during CEFORM hours, please contact the Registration Desk. Outside the CEFORM time in case of emergency turn to the Reception at your Hotel or use the following numbers: Ambulance 104, Fire brigade 105, Police 107.

Climate and Clothing

The climate in the starting days of October is usually calm, quiet and it can be very pleasant: the average daytime temperature is around 15°C degrees. Daily maximum values can reach 20-23°C. In the sunny, protected areas even warmer. In the morning and in the evening can be foggy and cold. In the night the forecasted minimum temperature values are 3-5 °C. A season coat and pullover and some wet weather protection is useful.

Insurance

The organisers cannot be held responsible for injury to CEFORM participants or for damage to, or loss of their personal belongings, regardless of cause. Participants are advised to make their own insurance arrangements.

Additional Information

Currency: Hungarian Forints

Credit cards: Visa, Diner, Eurocard, MasterCard, JCB Card are accepted in Hotels and first class restaurants and stores. Please ask before ordering!

Shopping hours: usually 10.00 to 18.00.

Tax: VAT (in Hungarian ÁFA) is charged on goods, the rate is 25 %.

Tipping: Tips in restaurants and for taxis – depending on the service – are in most cases optional but expected. Maximum rate is 10 %. There are some restaurants, where a service charge is calculated. In such cases tips shall not be expected.