

Scientific Programme

TUESDAY, JUNE 26

8:15 OPENING CEREMONY

SESSION 1, Separation Methods I, Chairman: Kapturski P.

- 8:30 **Kučerová Z.**, Szumski M., Buszewski B., Jandera P.
L1 *Alkylation of Polystyrene Monolithic Columns for μ -HPLC and CEC Separation of Phenolic Acids*
- 8:50 **Fellner N.**, Francesconi K.A., Raber G., Goessler W.
L2 *Development of a Micro-HPLC Method for Profiling Thio-Arsenosugars in Brown Algae*
- 9:10 **Molíková M.**, Jandera P.
L3 *Characterization of New Generation Stationary Phases with RP-HPLC and NP-HPLC*
- 9:30 **Beňová B.**, Onderková K., Královský J.
L4 *Determination of Resveratrol and Its Glycosides in Extract of Reynoutria*
- 9:50 **Škeříková V.**, Kumm T., Dugo P., Mondello L., Jandera P.
L5 *Comprehensive LCxLC Analysis of Carotenoids in Citrus Samples*

10:10 – 10:25 COFFEE BREAK

SESSION 2, Separation Methods II, Chairlady: Cuderman P.

- 10:25 **Dovgan R.**, Trebše P.
L6 *HPLC-DAD Determination of Metabolites of Some Organophosphorous and Neonicotinoid Insecticides in Water*
- 10:45 **Jurčáková P.**, Česla P., Fischer J., Staněk V., Jandera P.
L7 *Capillary Electrochromatography of Nitrophenols on Methacrylate Ester-Based Monolithic Columns*
- 11:05 **Česla P.**, Miková M., Fischer J., Jandera P.
L8 *CZE and MEKC Separations in Polyacrylamide Coated Capillaries*
- 11:25 **Kruzlicova D.**, Mocak J., Hrivnak J.
L9 *Authentication of Wine by Variety Using Headspace Gas Chromatography*

11:45 – 13:30 LUNCH

SESSION 3, Separation Methods III, Chairlady: Škeříková V.

- 13:30 **Cuderman P.**, Kreft I., Germ M., Stibilj V.
L10 *Investigation of Se Species in Se Enriched Potatoes by HPLC-ICP-MS and HPLC-UV-HG-AFS*
- 13:50 **Kuenstl L.**, Griesel S., Goessler W.
L11 *Arsenic Speciation in Different Body Liquids of Marine Mammals*
- 14:10 **Lísa M.**, Holčapek M.
L12 *HPLC/APCI-MS Characterization of Unusual Triacylglycerols in Edible Conifer Seed Oils*
- 14:30 **Piecha M.**, Kočar D., Strlič M., Trebše P.
L13 *Determination of Cholesterol-Lowering Statin Drugs Using Liquid Chromatography-Mass Spectrometry*

14:50 – 15:05 COFFEE BREAK

SESSION 4, Biosensors, Chairlady: Kuenstl L.

- 15:05 **Mauko L.**, Ogorevc B.
L14 *Amperometric Glucose Biosensor Based on FeRu-Hexacyanoferrate and Polymer-Glucose Oxidase Modified Microelectrode*
- 15:25 **Polan V.**, Kotzian P., Vytřas K.
L15 *Biosensor for Determination of Glucose*
- 15:45 **Peřková I.**, Hrubeř M., Vytřasová J., Červenka L., Kristlová J.
L16 *Optimizing of the Amperometric Method for Salmonella Enteritidis Detection Using Carbon Paste Electrode*
- 16:05 **Szűcs J.**, Lautner G., Gyurcsányi R.E., Bardóczi V., Mészáros T., Tóth T.
L17 *Development of Biochips for Surface Plasmon Resonance Imaging Detection of Aptamer – Ligand Interactions*

16:25 – 16:40 COFFEE BREAK

SESSION 5, Sensors, Chairman: Jirásko R.

- 16:40 **Samphao A.**, Svegl F., Kalcher K.
L18 *Evaluation of Some Ion Capacitive Chemical Sensors*
- 17:00 **Jurmanović S.**, Steinberg I.M.
L19 *Sol-Gel Thin Films Doped with Bromocresol Green Indicator as pH Responsive Organic-Inorganic Hybrid Materials*
- 17:20 **Mikysek T.**, Švancara I., Bartoš M., Galík M., Vytřas K.
L20 *Electrochemical Study on the Composition of Carbon Paste Electrodes*
- 17:40 **Urbanová V.**, Bartoš M. and Vytřas K.
L21 *Wood-Free Resin Pencil as an Electrochemical Sensor*

WEDNESDAY, JUNE 27

SESSION 6, Electroanalysis I, Chairman: Mikysek T.

- 8:00 **Guzsvány V.**, Kádár M., Gaál F., Bjelica L., Jovanović Lj., Tóth K.
L22 *Voltammetric Investigation of Selected Neonicotinoid Insecticides*
- 8:20 **Slavec M.**, Ogorevc B.
L23 *Polymer-Coated Bismuth Film Electrodes for Voltammetric Analysis of Lead and Cadmium*
- 8:40 **Torma F.**, Kádár M., Tóth K.
L24 *Anodic Stripping Voltammetric Application of a Nafion/2,2'-Bipyridyl Modified Bismuth Film Electrode*
- 9:00 **Kapturski P.**, Bobrowski A.
L25 *Catalytic Adsorptive Stripping Voltammetric Determination of Cobalt and Nickel at the Silver Amalgam Film Electrode*

9:20 – 9:35 COFFEE BREAK

SESSION 7, Electroanalysis II, Chairlady: Jurmanović S.

9:35 **Baldrianová L.**, Sotiropoulos S., Švancara I., Vytřas K.

L26 *Studies of in Situ Plated Bismuth Film Carbon Paste Mini-Electrodes*

9:55 **Tesařová E.**, Colina A., Heras M. A., Ruiz V., Palmero S., López-Palacios J., Švancara I., Vytřas K.

L27 *In Situ Deposition of Bismuth Films Studied with the Aid of Spectroelectrochemistry*

10:15 **Petrovic Z.**, Čeralinac Z., Grubac Z., Metikos-Hukovic M.

L28 *Impedance Spectroscopy and Electroanalytical Studies of Double Layer at Solids*

10:35 **Agrafiotou P.**, Pappa-Louisi A. and Sotiropoulos S.

L29 *Carbon Microfibre and Microdisc Electrodes for the Determination of Aminoacids in Electrochemical Detection HPLC and the Prediction of Their Hydrodynamic Voltammograms*

10:55 – 11:10 COFFEE BREAK

SESSION 8, Separation Methods IV, Chairlady: Tesařová E.

11:10 **Csefalvayova L.**, Strlič M., Trafela T., Kralj-Cigić I., Kolar J.

L30 *Determination of Gelatin in Historical Paper*

11:30 **Dobiáš P.**, Koudelková H., Adam M., Řezková S., Ventura K., Královský J.

L31 *Application of Ultrasonic Extractions for Isolation of Antioxidants from Plants*

11:50 **Elcnerová M.**, Kandelová M., Komárek K., Šafařík I., Šafaříková M.

L32 *The Magnetic Separation Techniques in Biosciences*

12:10 **Koudelka S.**, Turanek J.

L33 *Liposomes with High Encapsulation Capacity for Paclitaxel: Preparation and Characterisation*

12:30 – 14:00 LUNCH

SESSION 9, Trace Analysis I, Chairlady: Fiket Ž.

14:00 **Findenig S.**, Raber G., Rumpler A., Goessler W.

L34 *Determination of Sulfide in Biological Samples: An Evaluation of ISE and ICP-MS*

14:20 **Kurta C.**, Goessler W.

L35 *The Use of Laser Ablation-ICPMS for Trace Element Analysis in Biological Samples*

14:40 **Rodriguez I.**, Francesconi K., Goessler W.

L36 *Rapid Method for Arsenic Analysis by Flow Injection Inductively Coupled Plasma Mass Spectrometry*

15:00 **Szypuła M.**, Bobrowski A.

L37 *Application of ICP-AES Method for Monitoring Trace Metals in Alloys Used to Production Lead-Acid Batteries*

15:20 – 15:35 COFFEE BREAK

SESSION 10, Biological Applications, Chairlady: Kruzlicova D.

- 15:35 **Đurčeková T.**, Nemeček P., Mocák J., Lehotay J., Waissner K.
L38 *Correlation of Antituberculous Activity with Lipophilicity, NMR Shifts and Molecule Properties*
- 15:55 **Mrázová V.**, Mocák J., Varmusová E., Kavková D.
L39 *Prediction of Lung Malignity Using Multidimensional Classification Methods*
- 16:15 **Jirásko R.**, Kolářová L., Holčapek M., Popkov A., Nádvořník M.
L40 *Characterization of Ni(II) Complexes with Schiff Bases of Amino Acids Using ESI-MS with Ion Trap and QqTOF Analyzers*
- 16:35 **Rezić I.**
L41 *Nickel Determination in Metal Objects That Come into Direct Contact with the Human Skin*

16:55 – 17:10 COFFEE BREAK

SESSION 11, Trace Analysis II, Chairlady: Mauko L.

- 17:10 **Schmidt M.**, Raber G., Goessler W.
L42 *Seasonal Changes of the Particulate Matter Composition in Graz*
- 17:30 **Kraic F.**, Mocak J., Argay M.
L43 *Dependence of Vine Crop and Must Quality on the Nutrients Content in Soil and Vine Leaves and Climatic Conditions*
- 17:50 **Fiket Ž.**, Mikac N., Kozar S., Kniewald G.
L44 *Arsenic and Other Trace Elements in Wines of Eastern Croatia*