

# YISAC 2014 PROGRAMME

## WEDNESDAY, JUNE 25

- 18:00 REGISTRATION - entrance hall at Faculty of Chemical Technology, Studentská 573, Pardubice (1<sup>st</sup> floor)
- 19:00 GET-TOGETHER PARTY

## THURSDAY, JUNE 26

- 8:00 REGISTRATION
- 9:00 OPENING CEREMONY - lecture hall C I (1<sup>st</sup> floor)

### SESSION 1, **Electroanalysis I**, Chairman: **Sýs M.**

- 9:15 **Brycht M.**, Skrzypek S., Smarzewska S., Uslu B., Ozkan S. A.  
*Voltammetric Investigation of Antidepressant Drug Paroxetine at Boron Doped Diamond Electrode*
- 9:35 **Mehmeti E.**, Stanković D. M., Švorc Ľ., Kalcher K.  
*Electrochemical Determination of Rauwolfia Alkaloids: Determination of Ajmalicine in Pharmaceutical Formulations Based on a Glassy Carbon Electrode Modified with Gold Nanoparticles*
- 9:55 **Zbiljić J.**, Vajdle O., Prlina B., Guzsány V., Kalcher K.  
*Monitoring of H<sub>2</sub>O<sub>2</sub> Content by MnO<sub>2</sub> Modified Screen Printed Carbon Electrode During Photo-Fenton and Fenton Based Removal of Acetamiprid*
- 10:15 **Zidaric T.**, Jovanovski V., Hocevar S. B.  
*Preparation of Bismuth Particle Electrode (BiPE) for Electrochemical Trace Analysis*

10:35 – 10:55 COFFEE BREAK

### SESSION 2, **Electroanalysis II**, Chairlady: **Zbiljić J.**

- 10:55 **Maczuga M.**, Blum L., Kałus A., Bobrowski A., Królicka A., Zarębski J.  
*Determination of Pb(II), Zn(II), Ni(II) and Co(II) in Fly Ash Extracts Using Stripping Voltammetry*
- 11:15 **Vajdle O.**, Zbiljić J., Guzsány V., Avramov Ivić M., Petrović S.  
*Renewable Silver-Amalgam Film Electrode for Voltammetric Determination of Azithromycin, Roxithromycin and Clarithromycin Antibiotics*
- 11:35 **Cerovac S.**, Guzsány V., Kónya Z., Ashrafi A. M., Kukovecz Á., Vytřas K.  
*Determination of Trace Metals and Imidacloprid at Carbon Paste Electrode Surface Modified with Antimony Nanoparticle-Multiwalled Carbon Nanotubes Composite*
- 11:55 **Sýs M.**, Metelka R., Vytřas K.  
*Amperometric Tyrosinase Carbon Paste Based Biosensor in Food Analysis*
- 12:15 **Zajac P.**, Bobrowski A., Klucznik G., Królicka A., Zarębski J.  
*Voltammetric Methods for Cr(VI) Determination In Leaching Solutions Of Coal Fly Ashes*

12:35 – 14:00 LUNCH

**SESSION 3, Separation Methods I, Chairlady: Ovčačiková M.**

- 14:00 **Staňková M.**, Jandera P., Hájek T.  
*Monolithic Stationary Phases for Hydrophilic Interaction Chromatography*
- 14:20 **Vaňková N.**, Szlaueřová Z., Fischer J., Česla P.  
*Determination of Fatty Alcohol Ethoxylates in the Elbe and Chrudimka Rivers*
- 14:40 **Huš S.**, Kolar M., Krajnc P., Podgornik A.  
*Influence of Initiator on the Structure of Poly(Glycidyl Methacrylate) Monoliths*
- 15:00 **Janás P.**, Jandera P., Hájek T.  
*Comparison of the Separation Properties of Diol Based Columns*

15:20 – 15:40 COFFEE BREAK

**SESSION 4, Separation Methods II, Chairman: Huš S.**

- 15:40 **Kristl A.**, Markelj J., Pompe M.  
*Investigation of Various Separation Mechanisms in Ion-Chromatography*
- 16:00 **Mavrič A.**, Zupančič T., Veber M., Pihlar B.  
*Coulometric Separation of Chloride before Anion Determination with Ion Chromatography*

19:00 SUPERVISORS DINNER

**FRIDAY, JUNE 27**

**SESSION 5, Mass Spectrometry I, Chairlady: Panighello S.**

- 8:45 **Červená B.**, Cířková E., Lísa M., Chagovets V., Holčapek M., Vostálová J., Galuszka J., Hill M.  
*Comprehensive Analysis of Lipids in Samples of CVD Patients*
- 9:05 **Weissengruber S.**, Troetzmüller M., Koefeler H., Lankmayr E.  
*Aspects of Selectivity in Lipidomics by LC-MS Analysis*
- 9:25 **Šmon A.**, Murko S., Repič Lampret B., Battelino T.  
*Pilot Research for Evaluation of Incidences of Inborn Metabolic Disorders in Slovenia*
- 9:45 **Ovčačiková M.**, Cířková E., Lísa M., Holčapek M.  
*Comprehensive Two-Dimensional Liquid Chromatography – Mass Spectrometry for Lipidomic Analysis*
- 10:05 **Kremr D.**, Bajer T., Bajerová P., Eisner A., Ventura K.  
*A Green Method for the Determination of Capsaicinoids from Chilli Peppers*

10:25 – 10:45 COFFEE BREAK

**SESSION 6, Mass Spectrometry II, Chairman: Šmon A.**

- 10:45 **Váňová J.**, Česla P., Dinisová P., Česlová L., Fischer J.  
*Characterization and Quantification of (Poly)Phenols in Sambucus Nigra L. Infusions using MEKC and LC-MS/MS*
- 11:05 **Jurković J.**, Kolar M., Muhić-Šarac T.  
*Acid Mine Drainage from an Abandoned Gold Mine Site*
- 11:25 **Bendakovská L.**, Krejčová A., Černohorský T., Zvoníčková K.  
*o-TOF-ICP-MS Analysis of Platinum in Algae and Hospital Wastewater*
- 11:45 **Panighello S.**, van Elteren J.T., Orsega E.F. and Moretto M.L.  
*Application of Laser Ablation ICP-MS Depth Profiling Methods for the Study of Ancient Glass Artefacts*
- 12:05 **Šídová T.**, Husáková L., Urbanová I., Šrámková J.  
*Matrix Modification for Overcoming the Spectral Effects During oTOF-ICP-MS Analysis of Sulfuric Acid*

12:25 – 14:00 LUNCH

**SESSION 7, Separation Methods III, Chairlady: Vaňková N.**

- 14:00 **Čížková A.**, Adam M., Surmová S., Ventura K.  
*Analysis of Essential Oils in Herbal Teas by Means of Dispersive Liquid – Liquid Microextraction Method*
- 14:20 **Libalová M.**, Laštovička P., Čermák T., Čegan A.  
*Determination of the Content of Essential Fatty Acids in EDTA Plasma Type 2 Diabetics*
- 14:40 **Brečko N.**, Kolar M., Košir I. J.  
*The Dynamics of Higher Alcohol and Ester Formation in Fermented Beverages from Barley, Quinoa and Buckwheat Malt*
- 15:00 **Surmová S.**, Eisner A., Čížková A., Ventura K.  
*Gas Chromatographic Methods for Analysis of Perfumes*

15:20 – 15:40 COFFEE BREAK

**SESSION 8, Other Methods, Chairlady: Maczuga M.**

- 15:40 **Khan Md B.**, Masiol M., Formenton G., Di Gioli A., De Gennaro G., Pavoni B.  
*Primary and Secondary Carbonaceous Species in Atmospheric Fine Particles in the Veneto Region, Italy*
- 16:00 **Markelj J.**, Veber M., Pompe M.  
*Modeling of Some Key Properties Related to Secondary Organic Aerosol Formation*

19:00 CONFERENCE DINNER

**SATURDAY, JUNE 28**

9:00 OPTIONAL EXCURSION - sightseeing tour to old city of Pardubice and castle