

YISAC 2014 PROGRAMME

WEDNESDAY, JUNE 25

18:00 REGISTRATION - entrance hall at Faculty of Chemical Technology, Studentská 573, Pardubice (1st floor)

19:00 GET-TOGETHER PARTY

THURSDAY, JUNE 26

8:00 REGISTRATION

9:00 OPENING CEREMONY - lecture hall C1 (1st 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 H₂O₂ Content by MnO₂ Modified Screen Printed Carbon Electrode During Photo-Fenton and Fenton Based Removal of Acetamidiprid
- 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., Zarebski 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., Kukovec Á., Vytrás 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., Vytrás K.
Amperometric Tyrosinase Carbon Paste Based Biosensor in Food Analysis
- 12:15 **Zajac P.**, Bobrowski A., Klucznik G., Królicka A., Zarebski 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: Ovčáčíková M.

- 14:00 **Staňková M.**, Jandera P., Hájek T.
Monolithic Stationary Phases for Hydrophilic Interaction Chromatography
- 14:20 **Vaňková N.**, Szlaurová Z., Fischer J., Česla P.
Determination of Fatty Alcohol Ethoxylates in the Elbe and Chrudimka Rivers
- 14:40 **Huší 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: Huší 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.**, Cífková E., Lísá M., Chagovets V., Holčápek M., Vostálová J., Galuszka J., Hill M.
Comprehensive Analysis of Lipids in Samples of CVD Patients
- 9:05 **Weissengruber S.**, Troetzmueller 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 **Ovčáčíková M.**, Cífková E., Lísá M., Holčápek 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 Artefacts
- 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
- 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 **Líbalová 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