

19th Young Investigators' Seminar on Analytical Chemistry, YISAC 2012, FINAL PROGRAM

Wednesday, June 27 th , 2012	
18:00	Registration - University of Nova Gorica, Vipavska cesta 13, Nova Gorica
19:00	Get together party - University of Nova Gorica, Vipavska cesta 13, Nova Gorica

Thursday, June 28 th , 2012		
08:30-09:00	Registration - University of Nova Gorica, Vipavska cesta 13, Nova Gorica	
09:00-09:15	Opening	
	Session I- Chromatography	Chairs: G. Grbović, M. Kete
09:15-09:35	Čížkova Andrea, (University of Pardubice, Czech Republic)	Analysis of essential oils in beverages using single-drop microextraction technique
09:35-09:55	Jovanov Pavle, (Institute of Food Technology Novi Sad, Serbia)	Optimisation of dispersive liquid-liquid microextraction method for determination of clothianidin insecticide in honey samples using liquid chromatography equipped with diode array detector
09:55-10:15	Fryš Ondřej, (University of Pardubice, Czech Republic)	Optimization of extraction by ultrasonic probe of propellant components determined by gas chromatography/mass spectrometry
10:15-10:35	Coffee break	
	Session II – Chromatography	Chairs: A. Čížkova, P. Jovanov
10:35-10:55	Albreht Alen (National Ins. of Chemistry, Ljubljana, Slovenia)	Shikonins from the roots of <i>Echium Italicum L.</i>
10:55-11:15	Červená Blanka (University of Pardubice, Czech Republic)	Lipodomic analysis of cardiovascular disease patients
11:15-11:35	Kranvogel Roman (University of Maribor, Slovenia)	Determination of endocrine disrupting compounds in human urine using GC-MS
11:35-11:55	Šunjka Dragana, (University of Novi Sad, Serbia)	Determination of chlorpyrifos residues in water
11:55-12:15	Kitanovski Zoran (National Ins. of Chemistry, Ljubljana, Slovenia)	Monoaromatic nitro compounds in atmosphere: quantification and environmental implication
12:15-12:35	Gams Petrišič Marinka (Jožef Stefan Institute, Ljubljana, Slovenia)	Determination of PAHs on particulate organic matter and lake sediments in Lake Bled
12:35-14:05	Lunch break	

Thursday, June 28th, 2012

	Session III- Spectrometry	Chairs: I. Urbanova, R. Kranvogel
14:05-14:25	Schnabel Christiane (Graz University of Technology, Austria)	Investigation of boron in blood- and tissue samples to determine the appropriate exposure time for the Boron-Neutron-Capture Therapy (BNCT)
14:25-14:45	Golob Aleksandra (University of Ljubljana, Slovenia)	Selenium species in tartary buckwheat (<i>Fagopyrum tataricum</i>) and in hybrid buckwheat (<i>Fagopyrum hybridum</i>)
14:45-15:05	Kokarnig Sabine (University of Graz, Austria)	An HPLC/ICPMS method for time-efficient determination of selenium metabolites in human urine
15:05-15:25	Kristan Urška (Jožef Stefan Institute, Ljubljana, Slovenia)	Selenium and its distribution in marine mussel <i>Mytilus Galloprovincialis</i>
15:25-15:45	Schimek Denise (University of Graz, Austria)	Sex related differences of cadmium-metallothionein content of the coral prawn: A quantitative study with HPLC/ICPMS
15:45-16:05	Kavšek Darja (Regional Technological Center Zasavje, Trbovlje, Slovenia)	Determination of plant available phosphorus in soil samples by ICP-OES: method validation and measurement uncertainty evaluation
16:05-16:25	Coffee break	
	Session IV-Spectrometry	Chairs: C. Schnabel, A. Albrecht
16:25-16:45	Brglez Polonca (Maribor, Slovenia)	Metal nano-particles and their effect on optical oxygen sensing
16:45-17:05	Urbanova Iva (University of Pardubice, Czech Republic)	Inorganic elemental analysis of identification taggants by F-AAS
17:05-17:25	Planinšek Petra (Jožef Stefan Institute, Ljubljana, Slovenia)	Digestion procedures for determination of polonium-210 in biological samples
	Session V-Chemometrics	Chairs: C. Schnabel, A. Albrecht
17:25-17:45	Biro Miša (CIVIS d.o.o., Slovenia)	Classification of metals in soil samples from Poland using multivariate data analysis (MDA)
17:45-18:05	Ferenčikova Zuzana (University of Pardubice, Czech Republic)	Factor analysis and nonlinear regression in determination of dissociation constants of some drugs
18:05-18:25	Hecke Angela (Graz University of Technology, Austria)	Solvent-based decapsulation strategies of epoxy molded semiconductor devices
20:00	Advisors meeting	

Friday, June 29th, 2012

Friday, June 29th, 2012		
	Session VI-Electrochemistry	Chairs: A. Hecke, B. Šebez
08:30-08:50	Mariola Brycht <i>(University of Łódź, Poland)</i>	Comparison of hanging mercury drop electrode and renewable silver amalgam film electrode in voltammetric determination of acibenzolar-S-methyl
08:50-09:10	Vajdle Olga <i>(University of Novi Sad, Serbia)</i>	Silver-amalgam based electrode for direct cathodic voltammetric determination of thiacloprid and clothianidine insecticides
09:10-09:30	Sopha Hanna <i>(National Ins. of Chemistry, Ljubljana, Slovenia)</i>	In-situ preparation of the antimony film electrode for adsorptive cathodic stripping voltammetry
09:30-09:50	Ashrafi Amir <i>(University of Pardubice, Czech Republic)</i>	Unexpected measurements with antimony film-coated carbon paste electrodes
09:50-10:10	Putek Maria <i>(AGH-University of Science and Technology, Poland)</i>	Catalytic adsorptive stripping voltammetry of Co(II)-DMG-bromate system at silver-based mercury film electrode
10:10-10:30	Dal Borgo Sebastiano <i>(National Ins. of Chemistry, Ljubljana, Slovenia)</i>	Bismuth electrode-recent developments for trace metal detection in more acidic media
10:30-10:50	Coffee break	
	Session VII - Electrochemistry	Chairs: H. Sopha, M. Ongaro
10:50-11:10	Mardegan Andrea <i>(University Ca' Foscari, Italy)</i>	Field analysis of inorganic arsenic with 3D-nanoelectrode ensemble
11:10-11:30	Pekec Bruna <i>(Karl-Franzens University, Graz, Austria)</i>	Development of an electrochemical sensor based on boron doped diamond for the "total antioxidant capacity" determination
11:30-11:50	Sýs Milan <i>(University of Pardubice, Czech Republic)</i>	Amperometric biosensor for determination of the phenolic antioxidant capacity
11:50-12:10	Zbiljić Jasmina <i>(University of Novi Sad, Serbia)</i>	Monitoring of H ₂ O ₂ residual by MnO ₂ modified carbon paste electrode during natural organic compound removal from groundwater by Fenton process
12:10-12:30	Valbone Mehmeti <i>(Institute of Chemistry, Graz, Austria)</i>	Amperometric Pt-ink sensor for the determination of hydrogen peroxide
12:30-12:50	Šebez Bine <i>(National Ins. of Chemistry, Ljubljana, Slovenia)</i>	Carbon Nanotube Modified Carbon Fibre Microelectrodes Coated With Gold Nanoparticles Attached to Polymer Film: Enzymeless Glucose Sensing
12:50-14:20	Lunch break	

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	Session VIII-Electrochemistry	Chairs: M. Putek, A. Mardegan
14:20-14:40	Pecchielan Giulia (University Ca' Foscari, Italy)	The use of micropipette for surface patterning
14:40-15:00	Marolt Gregor (University of Ljubljana, Slovenia)	Voltammetric study of interactions between iron (III) ions and phytates
15:00-15:20	Ongaro Michael (University Ca' Foscari, Italy)	Electrochemical synthesis and characterization of hierarchical branched nanostructures: ZnO nanorods on ensembles of gold nanowires
15:20-15:40	Sabolić Ivana (University of Zagreb, Croatia)	Electrochemical characterization of oil pipeline internal corrosion products by voltammetry of immobilized microparticles
15:40-16:00	Coffee break	
	Session IX-Environmental analysis	Chairs: D. Šunjka, Z. Kitanovski
16:00-16:20	Šilha David (University of Pardubice, Czech Republic)	Bacteria of the genus <i>Arcobacter</i> and their survival in beverages
16:20-16:40	Tatjana Radovanović (University of Nova Gorica, Slovenia)	Improvement of sensitivity and sample throughput in determination of ammonia and biogenic amines
16:40-17:00	Tamše Samo (Jožef Stefan Institute, Ljubljana, Slovenia)	The evaluation of biogeochemical processes and fluxes in rivers draining into the N Adriatic Sea
17:00-17:20	Grbović Gorica (Institute of Chemistry, Technology and Metallurgy, Belgrade, Serbia)	Transformation of DHHB UV filter under disinfection conditions
17:20-17:40	Andraž Šuligoj (University of Nova Gorica, Slovenia)	Influence of protection silica layer on structural and functional properties of photocatalytic titania films deposited on Al-supports
17:40-18:00	Kete Marko (University of Nova Gorica, Slovenia)	Degradation of commercial textile dye, surfactants and trace contaminant by immobilized PC500+P25
19:30	Conference dinner	

Saturday, June 30th, 2012

9:00-15.30	Excursion
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