

MONDAY'S POSTER SESSION – AUDITORIUM OF FACULTY OF SOCIAL STUDIES

MP 1	JENIŠTOVÁ	Nanoscale Infrared spectroscopy of proteins
MP 2	RAGYÁK	The Effect of farnesol and tyrosol treatment for the intracellular metal content of candida auris
MP 3	KRÁLOVIČ	The process of photopolymerization of acrylated soybean oil based epoxides investigated by positron annihilation lifetime spectroscopy
MP 4	WEIß	Quantitative determination of supramolecular complex stabilities using collision-induced dissociation and Fourier transform ion cyclotron resonance mass spectrometry
MP 5	KUIŽOVÁ	Drop coating deposition raman spectroscopy of liposomes on nanostructured fluorocarbon film
MP 6	ROGOLL	Determination of the impact of LA-ICP-MS parameters during soft material analysis
MP 7	ŠTÁDLEROVÁ	Comparison of radiation sources for atomic fluorescence spectrometry
MP 8	WIGGERSHAUS	Method development for the analysis of highly saline samples using TXRF
MP 9	FARKAS	Mobilization of potentially toxic elements from mine drainage ochres by Aspergillus species
MP 10	ACHLEITNER	Realisation of a LIBS method to determine the degree of imidization of polyimides
MP 11	ISHIKAWA	The evaluation of solid state of rice flour by IR and NIR spectroscopy
MP 12	ADAMCOVÁ	Novel cell for transcorneal permeation studies using vibrational spectroscopy techniques
MP 13	FRIEBEL	Application of emission spectroscopic solid sampling methods on biomass samples for co-combustion
MP 14	NOVÁKOVÁ	Efficiency of chemical vapor generation of zinc
MP 15	KOKO	Multielemental speciation analysis of Cd ²⁺ , Pb ²⁺ and (CH ₃) ₃ Pb ⁺ in herb roots by advanced hyphenated technique HPLC/ICP-DRC-MS
MP 16	DUBORSKÁ	Soil Iodine fractionation by sequential extraction followed by ICP-MS determination
MP 17	ŠVÁBENSKÁ	Spectroscopic methods in the analysis of wear particles
MP 18	KOUTENTAKI	3D Raman mapping as an investigation tool for particle coating thickness
MP 19	KAŇKOVÁ	Overview of XRF versus ICP applications in elemental analysis of glass materials

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MP 20	HAGAROVÁ	Two extraction procedures coupled to ETAAS quantification employed for speciation of inorganic antimony
MP 21	KOPAL	Another perspective at the origin of alien bands in the surface-enhanced Raman spectra of 4-aminobenzenethiol
MP 22	KREMPL	Laser ablation synthesis of tellurium clusters
MP 23	WILLNER	A novel standard addition approach for matrix-matched calibration with LA-ICP-MS via spray deposition
MP 24	HRANIČEK	Chemiluminescent determination of vitamin B12 using automatic sequential injection analysis
MP 25	NOVÁKOVÁ	Determination of rare earth elements in geological samples by ICP-MS
MP 26	ŠVANCAROVÁ LAŠTINCOVÁ	Suitable methods of heavy metals determination in wines by ETA-AAS
MP 27	ŠVEHLA	Examples of the use of selected spectrometric techniques in the practice of the Customs Tech Lab. in the Czech Republic.
MP 28	HEGROVÁ	Evaluation of toxicity and bioaccumulation of metals from transport and their effect on the mineral composition of green alga <i>Desmodesmus Subspicatus</i> using ICPMS/MS
MP 29	VYTISKOVÁ	Detection of biomolecules labeled with photon-upconversion nanoparticles by laser-induced breakdown spectroscopy
MP 30	URÍK	Evaluation of heterotrophic leaching of arsenic in multicomponent humic acid/amorphous ferric oxohydroxide/bentonite system using atomic spectrometry
MP 31	CIFRANIČOVÁ	Positron annihilation spectroscopy as a tool for examining microstructural properties
MP 32	POLÁŠKOVÁ	Polypropylene treated by atmospheric plasma jets: correlating plasma chemistry with surface modifications
MP 33	ZAORALOVÁ	Application of X-ray diffraction and scanning electron microscopy to clay minerals
MP 34	HEIMLER	Tabletop C _μ XRF spectrometer for nondestructive depth-resolved element analysis
MP 35	BILAVČÍKOVÁ	Tracing new potential chemotherapeutics using ICP-MS and LA-ICP-MS
MP 36	DOBŠÍKOVÁ	Synthetic cannabinoids: structure determination and characterization by molecular spectroscopy
MP 37	BUŇOVÁ	Simulated stability of selected elements in TRIS buffer solution
MP 38	KUBINYIOVÁ	Enhancement of luminescence signal of tetracyclines antibiotics by deuterated water

MONDAY, SEPTEMBER 5TH

MONDAY'S POSTER SESSION – AUDITORIUM OF FACULTY OF SOCIAL STUDIES

MP 39	COELHO	Plasma-mediated vapor generation by dielectric barrier discharge: Direct analysis of mercury by AAS
MP 40	SAGAPOVÁ	Ultrasensitive determination of cadmium by atomic spectrometry
MP 41	BEDNÁŘOVÁ	Structural investigation of a/g-hybrid peptide oligomers
MP 42	ŠIMONÍKOVÁ	Multielemental analysis of tantalum ores by ICP-OES
MP 43	ČECHOVÁ	LIBS analysis of Cannabis sativa after long-term exposition in cadmium-contaminated soil
MP 44	DENDISOVÁ	Microscopic and nanoscopic study of polymer membranes
MP 45	MESKO	Multitechnique determination of halogens and sulfur in human hair

TUESDAY'S POSTER SESSION – AUDITORIUM OF FACULTY OF SOCIAL STUDIES

TP 1	BOSÁKOVÁ	Instrumental configuration effect on the LIBS acoustic signal response
TP 2	VEJVODOVÁ	Biorecognition tools
TP 3	LOULA	Graphene analysis by ICP-OES: The importance of sample preparation
TP 4	SIHLAHLA	Vortex assisted liquid-liquid microextraction for extraction of Selenium in food samples using alcohol based-DES prior to ICP-OES: One step closer to achieving green analytical chemistry
TP 5	BOKOV	Rearrangement of intracellular crystalline guanine as an adaptation for various illumination levels
TP 6	PODSEDNIK	Analysis of non-metals in technologically relevant materials using laser-induced breakdown spectroscopy (LIBS)
TP 7	ASARE	The distribution of potentially toxic and risk elements in the organs of <i>Rumex alpinus</i>
TP 8	BAHELKOVÁ	Where cadmium accumulates after inhalation of cadmium-based nanoparticles
TP 9	SVOBODA	In-situ trapping of volatile species in DBD atomizers: new approach to preconcentration of cadmium and selenium
TP 10	FIŠERA	Selected spectrometric methods for determination of iodine in biological samples
TP 11	MAŠLÁŇ	Mössbauer study of thermal behavior of CL20ES and CL50WS steel powders used in selective laser melting
TP 12	TSUBOI	Raman spectroscopic study of minerals in granitic rocks
TP 13	JURGA	The luminescence of NIR-excited up-converting nanoparticles in the blood solution
TP 14	TARASENKA	Spectroscopic analysis of laser ablation plasma in liquid during nanoparticles synthesis
TP 15	KRČMÁŘ	Charge ordering and hyperfine interactions in magnetite at liquid helium temperature
TP 16	ZVĚŘINA	Zn and Fe in vegetables: simultaneous determination using HR-CS GF-AAS
TP 17	HANNIG	Alkaloid fagaronine and its interaction with non-canonical DNA structures
TP 18	KOHOUT	Simulations of Ion funnel of multi-reflection time-of-flight mass spectrometer
TP 19	BHAT	A brief study of plasma plume parameters from laser ablation of mica under argon ambient

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TP 20	HAC	Mercury in various tobacco products
TP 21	MATUŠ	Application of spectroscopic methods for analysis of humic acids' interactions with aluminium(III)
TP 22	WOŽNY	Temperature dependent luminescence of FeS ₂ @YF ₃ :Yb ³⁺ /Er ³⁺ nanocomposites
TP 23	BURA	Isotopic labeling of microalgae: Raman study
TP 24	NEPAL	Scope and challenges of IR spectroscopy: Theoretical aspects
TP 25	SŮRA	Synthesis of gold nanoparticles using tetrahydroxy-1,4-benzoquinone oxocarbon as a capping agent
TP 26	MICHALICOVÁ	Arsenic species in the air of Brno city park
TP 27	MUSIL	Atomization of tellurium hydride in a dielectric barrier discharge and its in-situ trapping for atomic absorption spectrometry.
TP 28	KOŽNAROVÁ	Analysis of chemotherapeutics in extracellular vesicles
TP 29	ADAMEC	Risk elements in soils in selected areas of northwestern Bohemia
TP 30	KOŠKOVÁ	Alnus glutinosa short rotation coppice for HCH contaminated area - Chemical and microbiological evaluation
TP 31	RIGASOVÁ	Recognition of proteins using metal-based nanoparticles
TP 32	MATOUŠEK	Speciation analysis of tellurium in water samples by Selective HG-ICP-MS/MS with TiCl ₃ as pre-reducing agent
TP 33	KANTOROVÁ	Analysis of high-molecular selenium species in lactic acid bacteria
TP 34	KRAJANOVÁ	Raman Spectroscopy of metal oxalates
TP 35	ŠIRŮČKOVÁ	The spectroscopic study of kinetic properties of Pb(II) complexes with phosphonic acid derivative ligands
TP 36	DUVIVIER	Evaluation of current benchtop energy dispersive XRF instrumentation in comparison to wavelength dispersive XRF
TP 37	BAZEL	Design of new microextraction procedure for ammonium determination
TP 38	LANDRY	Is digital scanner suitable as cheaper alternative of a spectrophotometer?

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TP 39	SAJTÓS	The elemental analysis of the mummies of Vác, Hungary
TP 40	GAJARSKÁ	Feature engineering to improve classification in LIBS
TP 41	ACHLEITNER	Determination of K and N within functionalized polystyrene beads for glycan purification
TP 42	KOPAL	Contribution of the chemical mechanism to the overall enhancement in the surface-enhanced Raman spectra of methylene blue
TP 43	ŠVECOVÁ	Nanosopic Investigation of wood cell walls
TP 44	IVANOVA	Mössbauer study of the stainless steel surface after annealing in the temperature range 700 - 1000 °C
TP 45	HRDLIČKA	Laser-induced breakdown spectroscopy in analysis of algae contamination on the filter