

POSTER SECTIONS PROGRAMME

Monday 28 May (18:15-19:15) POSTER SECTION 1

MP01	M. Holá	Fascination with laser ablation
MP02	E. Vaníčková	Analysis of metal layers by LA-ICP-MS
MP03	F. Gregar	In-line aerosol mass monitoring during laser ablation inductively coupled plasma mass spectrometry analysis
MP04	M. Hložková	Fundamental study of laser beam-minerals interaction and utilization of LA-ICP-MS in geology
MP05	K. Novotný	Influence of laser wavelength and laser pulse energy on the depth profiling of historical paintings by LIBS
MP06	A.V. Dik	New approach to design of experiments for LIBS
MP07	S. Musil	Hydride generation of tellurium for AAS and AFS
MP08	S. Musil	Photochemical vapor generation of molybdenum with ICP-MS detection
MP09	J. Smolejová	Electrochemical generation of volatile Te species for AFS detection
MP10	M. Svoboda	Optimization of atomization conditions for bismuth, lead and tin hydrides for development of hydride atomizers
MP11	M. Svoboda	Arsenic speciation analysis by hydride generation – cryotrapping – gas chromatography – atomic absorption spectrometry
MP12	I. Petry-Podgórska	Volatile species generation for speciation analysis of mercury – preliminary studies
MP13	J. Sysalová	Mercury species contaminations around the abandoned gold mine Libčice due to the use of amalgamation processes in the former gold mining
MP14	A. Kaňa	Cationic arsenic species in food samples
MP15	M. Vosmanská	Development of analytical method for total chromium using inductively coupled plasma mass spectrometry
MP16	T. Matoušek	Influence of addition of organic solvent to ICP-MS plasma on sensitivity and limits of detection for elements forming volatile species and potential internal standard elements
MP17	M. Loula	Effect of instrumental parameters on nanoparticle peak width in single particle ICP-MS
MP18	I. Hagarová	Quantification of silver nanoparticles in the presence of Ag(I) species using cloud point extraction followed by ETAAS
MP19	J. Komárek	Determination of mercury by ETAAS in soil
MP20	O. Zvěřina	Determination of cadmium and iron in one firing with high-resolution continuum source AAS
MP21	S. Ružičková	Evaluation of microwave assisted decomposition method for HR CS FAAS determination of total element contents in the waste mobile phones printed circuit boards
MP22	T. Šídová	Optimization of sample preparation procedure for the determination of metals in synthetic organic pigments using atomic absorption spectrometry method
MP23	D. Remeteiová	Investigation of the US EPA method 3052 utilization for microwave acid digestion of printed circuit boards

Tuesday 29 May (19:00-20:00) POSTER SECTION 2

TP01	A. Jenišťová	The effect of silver nanoparticles on the penetration properties of the skin barrier
TP02	M. Švecová	Silver hydrosols reduced by flavonoids: what is the effect of immobilization procedures on enhanced Raman signal of riboflavin?
TP03	T. Helešicová	Raman micro-spectroscopic monitoring of components distribution in poorly soluble pharmaceuticals tablets
TP04	M. Medvedíková	Diffuse large B-cell lymphoma subtypes classification using vibrational spectroscopy
TP05	L. Bednářová	Chiral plasmonic nanoassemblies
TP06	L. Bednářová	Spectroscopic study of tetrathiafulvalene derivatives in charge-transfer complexes
TP07	P. Táborský	Interaction of intramolecular g-quadruplex DNA structures with selected alkaloids
TP08	P. Jarošová	Quaternary protoberberine alkaloids selectively stabilize g-quadruplexes
TP09	J. Kučera	Enhancement of sensitivity in separation techniques with fluorescence detection using deuterated water
TP10	A. Vacková	Monitoring spectral changes of nucleic acid UV absorption: Application in study of miRNA binding
TP11	Y. Bazel'	A combination of liquid phase microextraction and UV-VIS spectrophotometric determination of chromium (VI)
TP12	Y. Bazel'	HPLC-UV analysis of selected estrogens
TP13	J. Švancarová Laštincová	Determination of phenolic acids in white wine by hplc with fluorescence detector
TP14	A. García-Figueroa	Drop sensing platforms for detection of bromine under headspace liquid-phase microextraction configuration: a comparison of organic and nanostructured receptors
TP15	J. Juřica	Determination of lansoprazole and its metabolites in human serum for phenotypization of CYP2C19 and CYP3A4
TP16	D. Čožíková	Stability studies of rifampicin and gentamicin by using simple HPLC-UV and HPLC-FLD methods
TP17	J. Kulhánek	GC-MS determination of the residual malondialdehyde in hyaluronic acid grafted by linolenic acid
TP18	K. Kostolanská	Online solid-phase extraction liquid chromatography-mass spectrometry of hair cortisol using a surrogate analyte
TP19	O. Romanyuk	Electron affinity of polycrystalline diamond films
TP20	R. Zakl	Development of new preparation procedures and the usage of plasmonic recyclable nanomaterials for enhanced molecular spectroscopic techniques
TP21	P. Šimůnková	The development of surface- and tip-enhanced vibrational spectroscopic methodologies for studies of pollen grains