

Thursday 23. January 2020

Conference Registration: 8:00 – 8:15

Lecture hall C

Session 4 - Pharmaceutical Analysis and Bioanalytical Chemistry: 8:30 – 16:15

Chairpersons: Prof. Marcela Segundo, Prof. Spas Kolev, Prof. Lucie Nováková, Assoc. Prof. Hana Sklenářová

8:30 - 8:45	IL1	REQUIMTE: RECENT RESEARCH TOPICS <i>SEGUNDO, M.</i>
8:45 - 9:00	IL2	THE POTENTIAL OF POLYMER INCLUSION MEMBRANES FOR SEPARATION AND PRECONCENTRATION IN CHEMICAL ANALYSIS <i>KOLEV, S.D.</i>
9:00 - 9:15	PBA1	DETERMINATION OF URINARY RETINOL AS A NEW POTENTIAL BIOMARKER <i>KUČEROVÁ, K., KUJOVSKÁ KRČMOVÁ, L., MATYSOVÁ, L.</i>
9:15 - 9:30	PBA2	MITOCHONDRIAL ANALYSIS OF HUMAN PLATELETS: COMPARISON OF DIFFERENTIAL CENTRIFUGATION AND CONTINUOUS FLOW APHERESIS <i>VERNEROVÁ, A., GARCIA-SOUZA, L. F., GNAIGER, E., KUJOVSKÁ KRČMOVÁ, L., SOBOTKA, O.</i>
9:30 - 9:45	PBA3	THE METHOD DEVELOPMENT FOR THE DETERMINATION OF CISPLATIN IN HUMAN PLASMA <i>TUROŇOVÁ, D., KUJOVSKÁ KRČMOVÁ, L.</i>
9:45 - 10:00	PBA4	DEVELOPMENT AND VALIDATION OF UHPLC METHOD FOR THE MONITORING OF TARGET ACTIVE SUBSTANCES AND THEIR RELEASING FROM SOLID DISPERSIONS <i>ARNOLTOVÁ, K., KUJOVSKÁ KRČMOVÁ, L., MATYSOVÁ, L.</i>
10:00 - 10:15		COFFEE BREAK
10:15 - 10:30	PBA5	IDENTIFICATIONS OF ARTIFICIAL MODIFICATIONS INDUCED IN THE COURSE OF LC-MS ANALYSES OF PEPTIDES <i>LENČO, J.</i>
10:30 - 10:45	PBA6	AUTOMATION OF ON-LINE SAMPLE PREPARATION FOR THE PEPTIDE MAPPING ANALYSIS OF BIOPHARMACEUTICALS <i>KHALIKOVA, M., LENČO, J., FAISTAUEROVÁ, K., ŠVEC, F.</i>
10:45 - 11:00	PBA7	ELECTROCHEMICAL STUDY OF OLIGONUCLEOTIDE PROBES LABELED BY QUANTUM DOTS FOR THE DETECTION OF BACTERIAL AND VIRAL PATHOGENS <i>BANÁŠ, D., AHMET, D.A., NOGUERA, V.M., PAY, M., HOSNEDLOVÁ, B., KIZEK, R.</i>
11:00 - 11:15	PBA8	LC-MS/MS STUDY OF FIRST PHASE IN-VITRO BIOTRANSFORMATION OF NEW PROMISING TACRINE DERIVATIVES <i>NOVAK, M., KUCERA, R., DOLEZAL, R., PRCHAL, L.</i>
11:15 - 11:30	PBA9	ANALYSIS OF ECCRINE SWEAT <i>PRCHAL, L.</i>
11:30 - 11:45	PBA10	ION MOBILITY SPECTROMETRY IN DOPING ANALYSIS <i>PLACHKÁ, K., PEZZATTI, J., NICOLI, R., VEUTHEY, J.-L., GUILLARME, D., NOVÁKOVÁ, L.</i>

11:45 – 12:00 **PBA11** **STUDY OF INCREASING SENSITIVITY IN ESI- BY ANION ATTACHMENT**
LHOTSKÁ, I., KOČOVÁ VLČKOVÁ, H., NOVÁKOVÁ, L.

LUNCH BREAK: 12:00 – 13:00

13:00 - 13:15 **PBA12** **MODIFICATION OF CAPILLARY WALL BY GRAPHENE FOR SEPARATION IN CAPILLARY ELECTROPHORESIS**
LOCHMAN, L., FELIX, O., DECHER, G., KUCERA, R.

13:15 - 13:30 **PBA13** **ANALYTICAL STUDY OF THE INFLUENCE OF EXPERIMENTAL CONDITIONS ON THE CHIRAL SEPARATION OF BORON CLUSTER COMPOUNDS**
HORÁČEK, O., KUČERA, R.

13:30 - 13:45 **PBA14** **LC-MS/MS INVESTIGATION OF CARDIOPROTECTIVE DRUGS**
VÁŇOVÁ, N., BAVLOVIČ-PISKÁČKOVÁ, H., BRÁZDOVÁ, P., ŠTĚRBA, M., ŠTĚRBOVÁ-KOVAŘÍKOVÁ, P.

13:45 - 14:00 **PBA15** **MONITORING INFLUENCE OF PESTICIDE SPRAY ON ANTIOXIDANTS IN APRICOTS**
HOLLÁ, M., KHOLOVÁ, A., SKLENÁŘOVÁ, H., ŠATÍNSKÝ, D.

14:00 - 14:15 **PBA16** **COMPARATIVE STUDY OF VARIOUS SORBENTS FOR DETERMINATION OF OCHRATOXIN A AND OCHRATOXIN B IN ARCHIVE TOKAJ WINES USING ON-LINE SPE-HPLC**
KHOLOVÁ, A., LHOTSKÁ, I., ŠPÁNIK, I., MACHYŇÁKOVÁ, A., ŠATÍNSKÝ, D.

14:15 - 14:30 **PBA17** **PEAR TREES MATERIAL AS A RICH SOURCE OF IMPORTANT PHENOLIC COMPOUNDS**
ADAMCOVÁ, A., ŠÍROVÁ, K., ŠATÍNSKÝ, D.

14:30 - 14:45 **PBA18** **POLYMER INCLUSION MEMBRANE (PIM)-COATED MAGNETIC STIRRER BAR FOR THE PRECONCENTRATION OF SULFAMETHOXAZOLE**
ZATROCHOVÁ, S., ALMEIDA, M.I.G.S., KOLEV, S. D., ŠATÍNSKÝ, D.

14:45 – 15:00 **COFFEE BREAK**

15:00 – 15:15 **PBA19** **CARBON DIOXIDE EXPANDED LIQUID AS A SOLVENT FOR THE EXTRACTION OF QUERCETIN FROM PLANT MATERIAL**
PILAŘOVÁ, V., KUDA, L., NOVÁKOVÁ, L., VAN STADEN, J., DOLEŽAL, K.

15:15 – 15:30 **PBA20** **3D-PRINTED MAGNETIC STIRRING CAGES FOR THE EXTRACTION OF BISPHENOLS FROM WATER USING MICRO- AND NANOFIBERS**
ŠRÁMKOVÁ, I. H., HORSTKOTTE, B., ERBEN, J., CHVOJKA, J., ŠVEC, F., SOLICH, P., ŠATÍNSKÝ, D.

15:30 – 15:45 **PBA21** **BIOMIMETIC CRYSTALLIZATION OF METAL ORGANIC FRAMEWORK FOR THE PREPARATION OF HYBRID MONOLITH IN CAPILLARY FORMAT FOR THE SELECTIVE EXTRACTION OF DRUGS**
FIKAROVÁ, K., MAYA, F., HORSTKOTTE, B., SKLENÁŘOVÁ, H., ŠVEC, F.

15:45 – 16:00 **PBA22** **COMBINING LAB-IN-SYRINGE WITH BEAD-INJECTION FOR PRECONCENTRATION OF NONSTEROIDAL ANTI-INFLAMMATORY DRUGS IN SURFACE WATERS COUPLED ONLINE TO HIGH PERFORMANCE LIQUID CHROMATOGRAPHY**
GEMUH, C., HORSTKOTTE, B., SOLICH, P.

16:00 – 16:15 **PBA23** **POLYSULFONE MEMBRANE ENRICHED IN BIOACTIVE COMPOUNDS TO REDUCE OXIDATIVE STRESS AND INFLAMMATION IN DIALYSIS PATIENTS**
KOHOVÁ, M., ROCHA, S., AMORIM G., C., SANTOS-SILVA, A., SOLICH, P., MONTENEGRO, C.

16:15 – 16:30 **PBA24** **LIQUID-PHASE MICROEXTRACTION OF ORGANOPHOSPHORUS PESTICIDES USING SUPRAMOLECULAR SOLVENT AS A CARRIER FOR FERROFLUID**
HASHEMI, B., ZOHRABI, P., SHAMSIPUR, M., HASHEMI, M.