

Section 4 - Pharmaceutical Analysis and Bioanalytical Chemistry: 2. Feb 2022, 8:30 – 16:15

CHAIRPERSONS:

- 8:30 - 8:45 **PBA1** APPLICATION OF UHPLC-MS/MS METHOD FOR DETERMINATION OF INFLAMMATORY BIOMARKERS IN GINGIVAL CREVICULAR FLUID
VERNEROVÁ ANDREA - ONLINE
- 8:45 - 9:00 **PBA2** OPTIMIZATION OF UHPLC MS/MS METHOD FOR DETERMINATION OF VITAMIN K IN SERUM
MRŠTNÁ KRISTÝNA - ONLINE
- 9:00 - 9:15 **PBA3** LC-MS/MS STUDY OF FIRST PHASE IN-VITRO BIOTRANSFORMATION OF NEW PROMISING TACRINE DERIVATIVES
NOVÁK MARTIN - ONLINE
- 9:15 - 9:30 **PBA4** COMPLEX SCREENING OF RETENTION BEHAVIOUR OF CATECHOLAMINES
HEBLÍK DANIEL
- 9:30 - 9:45 **PBA5** CHROMATOGRAPHIC DETERMINATION OF ALDEHYDIC LIPID PEROXIDATION PRODUCTS IN VITRO
VÁŇOVÁ NELA
- 9:45 - 10:00 **PBA6** DEVELOPMENT OF UHPLC-UV STABILITY INDICATING METHOD OF IXAZOMIB AND HRMS IDENTIFICATION OF ITS DEGRADATION PRODUCTS
HATOKOVÁ PAULÍNA
- 10:00 - 10:15 **PBA7** APPLICATION OF CAPILLARY ELECTROPHORESIS FOR THE SIMULTANEOUS SEPARATION OF BOSWELLIC ACIDS AND NONSTEROIDAL ANTI-INFLAMMATORY DRUGS
KOSOLAPOV DMYTRO
- 10:15 - 10:30 **BREAK**
- 10:30 - 10:45 **PBA8** UHPSFC-MS/MS ANALYSIS OF VITAMIN D IN LIVER TISSUE
PILAŘOVÁ VERONIKA
- 10:45 - 11:00 **PBA9** RETENTION TIME STABILITY IN UHPSFC BASED ON VARIABLE COLUMN HISTORY
PLACHKÁ KATEŘINA
- 11:00 - 11:15 **PBA10** NON-TARGETED UHPLC-DIA-HRMS APPROACH FOR EXAMINATION OF IMPURITIES IN LEVOTHYROXINE FORMULATIONS
CHMELAŘOVÁ HANA - ONLINE
- 11:15 – 11:30 **PBA11** COMPARISON OF TWO MATRIX EFFECT EVALUATION APPROACHES
KOČOVÁ VLČKOVÁ HANA - ONLINE
- 11:30 – 11:45 **PBA12** ANALYSIS OF BIOGENIC STEROIDS IN MOUSE PLASMA SAMPLES: FROM CHROMATOGRAPHIC METHODS TO SAMPLE PREPARATION
GAZÁRKOVÁ TAŽÁNA
- 11:45 – 12:00 **PBA13** A UHPLC-DIA-HRMS METHOD FOR A SELECTIVE AND BROAD-SPECTRUM DOPING CONTROL ANALYSIS IN EQUINE BIOFLUIDS: A SCREENING AND CONFIRMATORY APPROACH
KHALIFA AHMED - ONLINE

12:00 - 13:00

BREAK

CHAIRPERSONS:

- 13:00 – 13:15 **PBA14** **ALTERNATING CURRENT ELECTROSPINNING METHOD FOR PREPARATION AND MODIFICATIONS OF NANOFIBROUS SPE SORBENTS**
LHOTSKÁ IVONA
- 13:15 – 13:30 **PBA15** **STIR BAR SORPTIVE EXTRACTION USING HYBRID MONOLITHS INCORPORATING METAL-ORGANIC FRAMEWORKS COUPLED WITH HPLC-FD FOR DETERMINATION OF ESTROGENS**
ZATROCHOVÁ SLAVOMÍRA - ONLINE
- 13:30 – 13:45 **PBA16** **USED NANOFIBER RESPIRATORS AGAINST COVID 19: JUST A WASTE OR EFFICIENT EXTRACTION MATERIAL**
KHOLOVÁ ANETA - ONLINE
- 13:45 – 14:00 **PBA17** **HOT WATER AS AN EFFICIENT SOLVENT FOR EXTRACTION OF PHENOLIC COMPOUNDS FROM PLANT MATERIALS**
ADAMCOVÁ ANEŽKA - ONLINE
- 14:00 – 14:15 **PBA18** **DEVELOPMENT AND OPTIMIZATION OF UHPLC METHOD FOR DETERMINATION OF GINGEROL AND CURCUMIN DERIVATIVES IN NUTRACEUTICALS BASED ON GINGER AND TURMERIC EXTRACTS**
MAJEROVÁ MICHAELA - ONLINE
- 14:15 – 14:30 **PBA19** **QUALITY CONTROL OF FOOD SUPPLEMENTS FROM CURCUMA LONGA AND BERBERIS ARISTATA EXTRACTS**
MORAVCOVÁ PAVLÍNA - ONLINE
- 14:30 – 14:45 **BREAK**
- 14:45 – 15:00 **PBA20** **DEVELOPMENT OF CE-UV METHOD FOR DETERMINATION OF PICOLINIC HERBICIDES**
HOLLÁ MARCELA
- 15:00 – 15:15 **PBA21** **DEVELOPMENT OF THE LAB-IN-SYRINGE METHOD FOR ANTIBODY COATING OF MAGNETIC BEADS WITH ANTI-SPIKE PROTEIN IGG**
SVOBODOVÁ ZUZANA - ONLINE
- 15:15 – 15:30 **PBA22** **APPLICATION OF BENZYL-IMIDAZOLIUM BASED NANOGUMBOS AS A NOVEL SORBENT FOR SOLVENT-ASSISTED DISPERSIVE SOLID PHASE EXTRACTION OF BISPHENOLS FROM SURFACE WATER**
GEMUH CELESTINE VUBANGSI - ONLINE
- 15:30 – 15:45 **PBA23** **THE USE OF MOBILE PHASE WITH LOW FORMIC ACID CONCENTRATION IN LC-MS PROTEOMIC ANALYSIS LEADS TO ENHANCED ELECTROSPRAY IONIZATION AND IMPROVED SENSITIVITY.**
JADEJA SIDDHARTH
- 15:45 – 16:00 **PBA24** **REVERSED PHASE AND HILIC LIQUID CHROMATOGRAPHY FOR ANALYSES OF RAMUCIRUMAB AND ITS CONJUGATE**
NAPLEKOV DENIS
- 16:00 – 16:15 **PBA25** **LIPOSOMES AS AN ARTIFICIAL BIOMIMETIC CELL MEMBRANE FOR INVESTIGATION OF MEMBRANOTROPIC EFFECTS OF XENOBIOTICS**
OLIVER MIQUEL

