

## Section 5 - Pharmacognosy and Nutraceuticals: 2. Feb. 2023, 8:30 – 11:15

CHAIRPERSONS: DOC. PHARMDR. JAKUB CHLEBEK, PH.D., PHARMDR. DANIELA SUCHÁNKOVÁ, PH.D.

- 8:30 - 8:45 **PG1** **ALKALOIDS OF AMARYLLIDACEAE FAMILY USED FOR THE PREPARATION OF SEMI-SYNTHETIC DERIVATIVES**  
*DANIELA SUCHÁNKOVÁ*
- 8:45 - 9:00 **PG2** **DERIVATIVES OF AMARYLLIDACEAE ALKALOID AMBELLINE AS SELECTIVE INHIBITORS OF HEPATIC STAGE OF PLASMODIUM INFECTION IN VITRO**  
*KATEŘINA HRADISKÁ BREITEROVÁ*
- 9:00 - 9:15 **PG3** **BIOLOGICAL ACTIVITIES OF SEMISYNTHETIC MONTANINE-TYPE DERIVATIVES**  
*NEGAR MAAFI*
- 9:15 - 9:30 **PG4** **CARLTONINE DERIVATIVES AS POTENTIAL LEAD DRUG CANDIDATES FOR THE TREATMENT OF ALZHEIMER'S DISEASE**  
*ABDULLAH AL MAMUN*
- 9:30 - 9:45 **PG5** **NEGLECTED STEREOCHEMISTRY IN AMARYLLIDACEAE ALKALOIDS**  
*JANA KŘOUSTKOVÁ*
- 9:45 - 10:00 **PG6** **THE EFFECT OF SMALL PHENOLIC METABOLITES OF FLAVONOIDS (BENZOIC ACIDS) ON METAL-TRIGGERED FENTON REACTION AND COPPER-INDUCED RED BLOOD CELL LYSIS**  
*ZUZANA LOMOZOVÁ*
- 10:00 - 10:15 **PG7** **DESIGN OF SEMISYNTHETIC DERIVATIVES OF AMARYLLIDACEAE ALKALOID AMBELLINE AND EXPLORATION OF THEIR IN VITRO CYTOTOXIC ACTIVITIES**  
*ANETA RITOMSKÁ*
- 10:15 - 10:30 **BREAK**
- 10:30 - 10:45 **PG8** **HIGHLY SELECTIVE BUTYRYLCHOLINESTERASE INHIBITORS RELATED TO AMARYLLIDACEAE ALKALOIDS – SYNTHESIS AND BIOLOGICAL EVALUATION**  
*FILIP PIDANÝ*
- 10:45 - 11:00 **PG9** **CYTOTOXIC ALKALOIDS FROM VINCA MINOR L.**  
*RUDOLF VRABEC*
- 11:00 - 11:15 **PG10** **INTERACTIONS OF SELECTED ISOQUINOLINE ALKALOIDS WITH TRANSITION METALS**  
*MST SHAMIMA PARVIN - ONLINE*