

# Lecture hall A

## Session 7 - Pharmacognosy and Toxicology of Natural Compounds: 8:15 – 14:45

Chairpersons: Assoc. Prof. Lucie Cahlíková and Assoc. Prof. Karel Šmejkal

- 8:30 - 8:45 **FG1** **ANALYSIS OF COPPER-CHELATING ACTIVITY OF ISORHAMNETIN AND TAMARIXETIN**  
*LOMOZOVÁ, Z., MACÁKOVÁ, K., KARLÍČKOVÁ, J., CATAPANO, M. C., MLADĚNKA, P.*
- 8:45 - 9:00 **FG2** **SCREENING OF ANTIPLATELET ACTIVITY OF ISOQUINOLINE ALKALOIDS**  
*PARVIN, M.S., MACAKOVA, K.*
- 9:00 - 9:15 **FG3** **PHYTOCHEMICAL ANALYSIS AND BIOLOGICAL ACTIVITY OF AZORELLA COMPACTA**  
*ŠTŮSKOVÁ, M., TŮMOVÁ, L.*
- 9:15 - 9:30 **FG4** **CYTOTOXIC EVALUATION OF ASTAXANTHIN MONOESTERS FROM MICROALGAE**  
**HAEMATOCOCCUS PLUVIALIS**  
*FÁBRYOVÁ, T., DA SILVA D. C., ANDRADE P. B., VALENTÃO P., PEREIRA D. M., KOPECKÝ J., CHEEL, J., TŮMOVÁ, L.*
- 9:30 - 9:45 **FG5** **ISOLATION OF ALKALOIDS FROM VINCA MINOR L. AND THEIR INHIBITORY ACTIVITY ON HUMAN CHOLINESTERASES**  
*VRABEC, R., OPLETAL, L., LOČÁREK, M., MAŘÍKOVÁ, J., JENČO, J., HULCOVÁ, D., ŠAFRATOVÁ, M., JANOUŠEK, J.*
- 9:45 - 10:00 **FG6** **NMR ELUCIDATION OF ACETYLCARANINE**  
*MAŘÍKOVÁ, J., HOŠŤÁLKOVÁ, A., KUNEŠ, J.*
- 10:00 - 10:15 **COFFEE BREAK**
- 10:15 - 10:30 **FG7** **BROUSSONETIA PAPYRIFERA AS A RICH SOURCE OF VARIOUS SECONDARY METABOLITES**  
*MALANÍK, M., PAULÍKOVÁ, M., POMYKALOVÁ, K., ŠAFÁŘOVÁ, H., POSPÍŠILOVÁ, T., ŠMEJKAL, K.*
- 10:30 - 10:45 **FG8** **ISOLATION AND IDENTIFICATION OF ACTIVE CONSTITUENTS FROM PAULOWNIA TOMENTOSA STEUD. FRUIT**  
*MOLČANOVÁ, L., DALL'ACQUA, S., ŠMEJKAL, K.*
- 10:45 - 11:00 **FG9** **IDENTIFICATION OF PLANT PHENOLICS AS NOVEL PPAR $\gamma$  AGONISTS**  
*TREML, J., DIRSCH, V., VÁCLAVÍK, J., ŠMEJKAL, K.*
- 11:00 - 11:15 **FG10** **ISOLATION AND IDENTIFICATION OF SCELETIUM TORTUOSUM CONSTITUENTS**  
*RJAŠKOVÁ, V., ÇIÇEK, S., ZIDORN, C., ŠMEJKAL, K.*
- 11:15 – 11:30 **FG11** **ANTIMICROBIAL PROPERTIES OF CANNABINOIDS FROM CANNABIS INDICA**  
*HELCMAN, M., TREML, J., ŠMEJKAL, K., BURCLOVÁ, Z.*
- 11:30 – 11:45 **FG12** **ISOLATION OF AMARYLLIDACEA ALKALOIDS FROM HIPPEASTRUM CULTIVAR FERRARI AND EVALUATION FOR THEIR BIOLOGICAL ACTIVITIES**  
*ALSHAMMARI, L., KUNEŠ, J., HAVELEK, R., CAHLÍKOVÁ, L.*
- 11:45 – 12:00 **FG13** **ALIPHATIC AND AROMATIC DERIVATIVES OF MONTANINE-TYPE ALKALOIDS AND THEIR CYTOTOXIC ACTIVITY**  
*MAAFI, N., CAHLÍKOVÁ, L., KUNEŠ, J.*

**LUNCH BREAK: 12:00 – 13:00**

- 13:00 - 13:15 **FG14** **DERIVATIVES OF AMARYLLIDACEAE ALKALOID AMBELLINE AS POTENTIAL DRUGS**  
*RITOMSKÁ, A., HULCOVÁ, D., MAŘÍKOVÁ, J., CAHLÍKOVÁ, L.*
- 13:15 - 13:30 **FG15** **ALKALOIDS AS POTENTIAL DRUGS IN THE TREATMENT OF ALZHEIMER'S DISEASE**  
*HULCOVÁ, D., ŠAFRATOVÁ, M., HOŠŤÁLKOVÁ, A., CHLEBEK, J., OPLETAL, L., CAHLÍKOVÁ, L.*
- 13:30 - 13:45 **FG16** **ALKALOIDS OF THE AMARYLLIDACEAE FAMILY AS POTENTIAL DRUGS IN THERAPY OF DISEASES OF AFFLUENCE**  
*BREITEROVÁ, K., MAŘÍKOVÁ, J., KOUTOVÁ, D., CAHLÍKOVÁ, L.*
- 13:45 - 14:00 **FG17** **SEMISYNTHETIC DERIVATIVES OF AMARYLLIDACEAE ALKALOID HAEMANTHAMINE AS POTENTIAL DRUGS IN THE TREATMENT OF ALZHEIMER'S DISEASE**  
*PERINOVA, R., KOHELOVA, E., SPULAK, M., MARIKOVA, J., HULCOVA, D., CAHLIKOVA, L.*
- 14:00 - 14:15 **FG18** **SEPARATION OF STEREOISOMERS FROM ZEPHYRANTHES CITRINA**  
*KOHELOVÁ E., JENČO J., CAHLÍKOVÁ, L., MAŘÍKOVÁ, J.*
- 14:15 - 14:30 **FG19** **BIOLOGICAL EVALUATION OF ALKALOIDS ISOLATED FROM NARCISSUS CV. CARLTON AND ANTIPROLIFERATIVE POTENTIAL OF THEIR SEMISYNTHETIC DERIVATIVES**  
*AL MAMUN, A., CAHLÍKOVÁ, L., MAŘÍKOVÁ, J.*
- 14:30 - 14:45 **FG20** **NEUROPROTECTIVE ACTIVITY OF NUPHAR LUTEA L. ALKALOID**  
*WIJAYA, V., OPLETAL, L., HULCOVÁ, D., KUNEŠ, J., MAŘÍKOVÁ, J., CHLEBEK, J.*