Section 7 - Pharmacognosy and Toxicology of Natural Compounds: *8:30 – 14:00*

CHAIRPERSONS: DOC. KATEŘINA MACÁKOVÁ, DR. JAKUB CHLEBEK, DR. MARCELA ŠAFRATOVÁ, MGR. JAROSLAV JENČO (TECHNICAL ASSISTANCE)

8:30 - 8:45	***PG1***	**BIOGUIDED ISOLATION OF ALKALOIDS FROM PAPAVER RHOEAS BY PREPARATIVE CHROMATOGRAPHY** *JENČO - S210*
8:45 - 9:00	***PG2***	**ALKALOIDS OF ZEPHYRANTHES CITRINA (AMARYLLIDACEAE) AND THEIR IMPLICATION TO ALZHEIMER'S DISEASE: ISOLATION, STRUCTURAL ELUCIDATION AND BIOLOGICAL ACTIVITY** *KOHELOVÁ – S211*
9:00 - 9:15	***PG3***	**ALKALOIDS FROM GEISSOSPERMUM VELLOSII AND THEIR BIOLOGICAL ACTIVITY** *ŠAFRATOVÁ*
9:15 - 9:30	***PG4***	**STRUCTURE ELUCIDATION OF AMARYLLIDACEAE ALKALOIDS** *MAŘÍKOVÁ*
9:30 - 9:45	***PG5***	**AMBELLINE DERIVATIVES AS SELECTIVE INHIBITORS OF LIVER STAGE MALARIA IN VITRO** *HRADISKÁ BREITEROVÁ*
9:45 - 10:00	***PG6***	**INFLUENCE OF DEHYDROFLAVONOLIGNANS FROM SILYMARIN ON METAL-BASED FENTON REACTION** *LOMOZOVÁ*
10:00 - 10:15		**BREAK**
10:15 - 10:30	***PG7***	**SCREENING OF INHIBITORY ACTIVITY AGAINST CHOLINESTERASES OF VARIOUS SPECIES OF THE GENUS FICUS** *HULCOVÁ*
10:30 - 10:45	***PG8***	**NEW AMARYLLIDACEAE ALKALOIDS FROM NARCISSUS PSEUDONARCISSUS CV. CARLTON AS INSPIRATION FOR THE DEVELOPMENT OF NEW DRUGS FOR ALZHEIMER´S DISEASE** *MAMUN – S210*
10:45 - 11:00	***PG9***	**AMARYLLIDACEAE ALKALOIDS OF NORBELLADINE-TYPE AS INSPIRATION FOR DEVELOPMENT OF SELECTIVE BUTYRYLCHOLINESTERASE INHIBITORS** *PIDANÝ*
11:00 - 11:15	***PG10***	**PHYTOCHEMICAL INVESTIGATION OF THE DICRANOSTIGMA FRANCHETIANUM HOOK F. ET THOMSON (PAPAVERACEAE) HERB: PRELIMINARY STUDY** *WIJAYA - S210*
11:15 – 11:30	***PG11***	**SEMISYNTHETIC DERIVATIVES OF AMARYLLIDACEAE ALKALOID HAEMANTHAMINE AS POTENTIAL DRUGS IN THE TREATMENT OF ALZHEIMER'S DISEASE** *PERINOVA – S211*
11:30 – 11:45	***PG12***	**IN VITRO ANTIAGGREGATION POTENTIAL OF SELECTED ISOQUINOLINE ALKALOIDS** *PARVIN – S210*
11:45 – 12:00	***PG13***	**SEMI-SYNTHETIC DERIVATIVES OF AMARYLLIDACEAE ALKALOID AMBELLINE AND THEIR CYTOTOXIC POTENTIAL** *RITOMSKÁ*

12:00 – 13:00 **BREAK**

13:00 – 13:15 ***PG14*** **INDOLE ALKALOIDS FROM VINCA MINOR L. AND THEIR BIOLOGICAL ACTIVITY**
VRABEC

13:15 – 13:30 ***PG15*** **AROMATIC DERIVATIVES OF HAEMANTHAMINE-TYPE ALKALOID VITTATINE AS POTENTIAL LIGANDS FOR ALZHEIMER'S DISEASE**
AL SHAMMARI – S210

13:30 – 13:45 ***PG16*** **SEPARATION OF THE CAROTENOID MYXOXANTHOPHYLL FROM SYNECHOCYSTIS SALINA BY HIGH PERFORMANCE COUNTERCURRENT CHROMATOGRAPHY AND EVALUATION OF ITS IMMUNE-STIMULATING PROPERTIES**
FÁBRYOVÁ

13:45 – 14:00 ***PG17*** **DERIVATIVES OF MONTANINE-TYPE ALKALOIDS AND THEIR IMPLICATION TO ALZHEIMER'S DISEASE: SYNTHESIS, BIOLOGICAL ACTIVITY, DOCKING STUDY**
MAAFI