

4TH INTERNATIONAL CONFERENCE AND WORKSHOP

PLANT - THE SOURCE OF RESEARCH MATERIAL ROŚLINA - ŹRÓDŁEM MATERIAŁU BADAWCZEGO

Sunday, 20th September 2015
17:00–20:00 REGISTRATION

Monday, 21st September 2015

8:00-9:00 REGISTRATION (MOUNTING OF POSTERS - GROUP I)

9:00-10:00 OPENING OF THE CONFERENCE

10:00-10:45 OPENING LECTURE – Christian Zidorn (Austria):
STILBENOIDS AND OTHER NATURAL PRODUCTS FROM *SCORZONERA* AND *TRAGOPOGON*
(ASTERACEAE, LACTUCEAE)

10:45-11:15 POSTER SESSION AND COFFEE BREAK
Chairs: A. Bogucka-Kocka, M. Wójcik, S. Dresler

SESSION I

Chairs: C. Zidorn, K. Trębacz, M. Wójcik

- 11:15-11:45 THE EFFECTS OF MODIFICATION OF LIGNIN BIOSYNTHESIS ON THE PLANT-ASSOCIATED BACTERIAL MICROBIOME
J. Vangronsveld, B. Beckers, M. Op De Beeck, W. Boerjan, N. Weyens (Belgium)
- 11:45-12:15 TRADITIONAL USES, PHYTOCHEMISTRY, PHARMACOLOGY, TOXICOLOGY AND QUALITY CONTROL OF *TERMINALIA* GENUS MEDICINAL PLANTS
O. Silva, R. Serrano (Portugal)
- 12:15-12:45 INNOVATIVE STRATEGIES FOR THE EFFICIENT ISOLATION OF NATURAL PRODUCTS AT THE PREPARATIVE SCALE AND DISCOVERY OF POTENTIAL NEW LEADS
E. F. Queiroz, J.-L. Wolfender (Switzerland)
- 12:45-13:15 FUNGAL BIOACTIVE SUBSTANCES, NEW LOOK ON THEIR PHARMACOKINETICS
K. Grzywnowicz (Poland)
- 13:15-14:15 LUNCH AND POSTER VIEWING

SESSION II

Chairs: J. Vangronsveld, G. Szymczak, J. Kocki

- 14:15-14:35 WHEN PLANTS FACE TOO MUCH SUN: SOME CONCEPTS ON ADAPTATION AT THE MOLECULAR LEVEL
W. I. Gruszecki (Poland)
- 14:35-14:55 PLANT – NOT ONLY THE SOURCE OF RESEARCH MATERIAL
M. Wójcik (Poland)
- 14:55-15:15 WHETHER APOMICTS NEED SEX?
B. J. Płachno, P. Świątek, M. Kozieradzka-Kiszurno, L. Majesky (Poland)
- 15:15-15:35 ANTIMICROBIAL POTENTIAL IN EXTRACTS OF *LASERPITIUM ALPINUM* – PROSPECTS FOR FURTHER INVESTIGATION
N. Vorobets, O. Ravis, A. Bogucka-Kocka (Ukraine)
- 15:35-15:55 CARBOHYDRATE IN ABOVE-GROUND AND UNDERGROUND ORGANS OF *PIMPINELLA SAXIFRAGA* L.
E. Panasyuk (Ukraine)
- 15:55-16:10 THE EFFECT OF OXIDATIVE STRESS ON PLATELET REACTIVITY IN PATIENTS WITH PATHOLOGY OF EXTRACORPOREAL CIRCULATION AFTER ANTICOAGULANTS presentation of Life Science Bionicum, Sp. z o.o., Warsaw, Poland
P. Kowalczyk (Poland)

16:10-16:40 POSTER SESSION AND COFFEE BREAK
Chairs: A. Bogucka-Kocka, M. Wójcik, S. Dresler

SESSION III

Chairs: J. Vangronsveld, G. Szymczak, J. Kocki

- 16:40-17:00 PROTECTED PLANTS – RESEARCH MATERIAL WITH SPECIAL NEEDS
A. Kolasirńska, J. Wiland-Szymańska, J. Jańczyk-Węglarska (Poland)
- 17:00-17:20 NOXIOUS BUT USEFUL - INVASIVE PLANTS AS SOURCE OF BIOACTIVE COMPOUNDS. THE CASE OF *FALLOPIA* AND *SOLIDAGO*
A. Matkowski, A. Jezierska-Domaradzka, I. Nawrot, K. Domaradzki, K. Gołąb, A. Dołowacka, J. Gburek, S. Ślusarczyk, D. Woźniak (Poland)
- 17:20-17:40 COMPARATIVE ANALYSIS OF RHIZOSPHERE MICROBIAL COMMUNITIES DERIVED FROM METAL-TOLERANT PLANTS IN UPPER SILESIA, POLAND
S. Borymski, L. A. Jose Mur, Z. Piotrowska-Seget (Poland)
- 17:40-18:00 PERSONALIZATION OF ARCHITECTURAL DESIGNING FOR PEOPLE WITH AUTISM SPECTRUM DISORDERS
B. Kwiatkowski (Poland)
- 18:00-18:20 RELATIVES OF COMMON WHEAT AS DONORS OF AGRONOMICALLY IMPORTANT TRAITS
A. Gogół, M. Wieremczuk (Poland)

20:00 CONCERT

Tuesday, 22nd September 2015

8:00-9:00 MOUNTING OF POSTERS - GROUP II

SESSION IV

Chairs: I. Sowa, K. Skalicka-Wozniak, M. Wójcik-Kosior

- 9:00-9:30 HOW TO INVESTIGATE AN INTRUSIVE GROWTH IN A VASCULAR CAMBIUM? FROM THE THEORY TO THE OBSERVATION
P. Kojs (Poland)
- 9:30-10:00 UTILIZING NEXT GENERATION SEQUENCING IN CANCER, PHARMACOLOGY AND PLANT SCIENCES
D. Gałkowski, A. Bogucka-Kocka, J. Kocki (USA)
- 10:00-10:30 THE POWER OF LIQUIDS – SEPARATIONS USING LIQUID-LIQUID TECHNOLOGY
I. Garrard, P. Hewitson, J. Huddleston, S. Ignatov (UK)
- 10:30-11:00 POSTER SESSION AND COFFEE BREAK
Chairs: G. Biąta, I. Sowa, M. Wójcik-Kosior

SESSION V

Chairs: G. Biąta, O. Silva, I. Garrard

- 11:00-11:30 NMR-BASED METABOLOMICS: FROM BASIC CONCEPT TO VALUABLE APPLICATIONS IN PLANT RESEARCH
M. I. Georgiev (Bulgaria)
- 11:30-12:00 HPLC-ANALYSIS OF METHANOLIC EXTRACTS FROM *ROSMARINUS OFFICINALIS* AND THEIR ANTIOXIDANT ACTIVITY
O. M. Palomino (Spain)
- 12:00-12:30 IN VITRO NEUROPROTECTIVE EFFECT OF *ROSMARINUS OFFICINALIS* ESSENTIAL OILS IN ASTROCYTE CELLS FROM HYDROGEN PEROXIDE-INDUCED OXIDATIVE STRESS
M.P. Gómez-Serranillos (Spain)
- 12:30-12:50 TLC WITH BIODETECTION PROCEDURES FOR SCREENING OF PLANT EXTRACTS FOR THE PRESENCE OF DRUG CANDIDATES
M. Waksmundzka-Hajnos (Poland)
- 12:50-13:10 ANTIBACTERIAL ACTIVITY AND CHEMICAL COMPOSITION OF PROPOLIS FROM NEPAL
P. Okirčyz, R. Franiczek, K. Wojtanowski, V. Isidorov, Z. Sroka, T. Mroczek, B. Krzyżanowska (Poland)

13:10-14:10 LUNCH AND POSTER VIEWING

SESSION VI

Chairs: M. Waksmundzka-Hajnos, R. Paduch, K. Tyszczyk-Rotko

- 14:10-14:30 BERRIES OF BLUE HONEYSUCKLE – A PROSPECTIVE SUPERFRUIT AND A SOURCE OF BIOLOGICALLY ACTIVE SECONDARY METABOLITES
T. Chmiel, B. Kusznierevicz, J. Namieśnik, T. Górecki, A. Bartoszek (Poland)
- 14:30-14:50 ELECTRIC CELL-SUBSTRATE IMPEDANCE SENSING (ECIS) AS A METHOD FOR MONITORING THE PHARMACOKINETICS OF FUNGAL BIOACTIVE SUBSTANCES
M. Prendecka, R. Mlak, C. Leibold, A. Bieser, M. Jakubiak, M. Jaszek, M. Osirńska-Jaroszuk, W. Wójcik, T. Małecka-Massalska (Poland)
- 14:50-15:10 DNA CONDENSATION DURING KINETIN-INDUCED PROGRAMMED CELL DEATH OF ROOT CORTEX CELLS OF *VICIA FABA* SSP. MINOR SEEDLINGS
M. Doniak, M. Z. Barciszewska, A. Kaźmierczak (Poland)
- 15:10-15:30 A NON-INVASIVE METHODS OF ESTIMATION CUCUMBER PLANTS RESPONSE TO INFECTION
J. Chojak, T. Kopczyński, E. Kuźniak (Poland)

15:30-16:00 POSTER SESSION AND COFFEE BREAK
Chairs: G. Biąta, I. Sowa, M. Wójcik-Kosior

SESSION VII

Chairs: T. Dzido, K. Józwiak, M. Wujec

- 16:00-16:20 OILSEED RAPE AMINOPEPTIDASES – CHANGES IN ACTIVITY AT DIFFERENT GROWTH STAGES AND IN DIFFERENT PARTS OF PLANT, INTERACTIONS WITH CHOSEN PESTICIDES
J. Kania, D. Gillner (Poland)
- 16:20-16:40 EFFECTS OF SELECTED TANNINS ON NEUTROPHILS FUNCTIONS. SIGNIFICANCE IN PERIODONTAL DISEASES
S. Granica, A. Kłębowska, J. P. Piwowarski, M. Dudek, A. K. Kiss (Poland)
- 16:40-17:00 FUNCTIONAL MODEL OF SOIL SEED BANKS OF TEMPERATE DECIDUOUS FOREST
M. Jankowska-Błaszczuk, K. Adamczyk (Poland)
- 17:00-17:20 CLOSING SESSION
17:20-18:05 SPECIAL GUEST
20:00 GALA DINNER

Wednesday, 23rd September 2015

9:00-12:00 Alternatively:

- Workshop "From seed to isolated bioactive compounds"
- Workshop "Cell imaging techniques"
- Workshop "Application of high-resolution continuum source atomic absorption spectrometry for plant analysis"
- Visiting of the Botanical Garden of UMCS in Lublin

20-23.09 LUBLIN 2015



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i Szkolnictwa Wyższego

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