



**7th International Conference
of Young Naturalists**
- "From Biotechnology to Environment Protection"
- Interdisciplinary Meeting of Young Naturalists
8-10 November 2012, Zielona Góra

Faculty of Biological Sciences, A-8 building, Szafrana 1, Zielona Góra

Conference Schedule

8.11.2012

15.00 – 16.30 Registration (room 310A)

Poster session

Sections:

- Anthropology (human anatomy and physiology, anthropogenesis, biology and ecology of man)
- Zoology (invertebrates, vertebrates, animal physiology and anatomy, phylogenesis and ontogeny of animals)
- Botany (botany, plant physiology)
- Molecular biology (including bioinformatics, modeling biological processes, biochemistry, cell biology, genetics, microbiology)

16.30 – 18.30 Presentations of posters by authors

Posters will be presented on the corridor on the 1st floor

9.11.2012

8.00 – 8.45 Registration (room 310 A)

Introductory session (room 115)

9.00 – 9.10 Prof. Leszek Jerzak, dr Krystyna Walińska - opening ceremony

9.15 – 10.00 Opening lecture

Professor Robert Thomas

"CAN HUMANS SURVIVE IN A WARMER WORLD?"

10.00 – 10.20 Coffee Break

Plenary session (room 115 and 219)

Room 115

Sections:

• **Molecular biology**

10.20 – 10.40

Oksana Ratushna (PhD student)

EXPRESSION OF HK2, IRS1, PFKFB AND CIRCADIAN GENES IN SUBCUTANEOUS ADIPOSE TISSUE IN OBESITY, GLUCOSE INTOLERANCE AND TYPE 2 DIABETES

10.40 – 11.00

Kateryna Serednytska (student)

EFFECT OF VARIOUS ORAL DOSES OF GLUCOSE ON SEROTONIN IN BLOOD SERUM OF RATS

11.00 – 11.20

Katarzyna Mystkowska (student)

BARCODING DNA – ABOUT METHOD AND MARKERS WITH PARTICULAR REFERENS THE PLANTS

11.20 – 11.40

Igor Uspenskyi (student)

THE EFFECT OF INCUBATION CONDITIONS ON PRODUCTION OF BACTERIOCIN-LIKE COMPOUNDS BY *BIFIDOBACTERIA*

11.40 – 12.00

Aleksandra Bednarz (student)

EFFECTS OF EXPERIMENTAL TREATMENT OF MICE WITH MOSAIC MUTATION - A MURINE MODEL OF MENKES DISEASE IN HUMANS

12.00 – 12.20 Coffee Break

12.20 – 12.40

Justyna Skóra (PhD student)

THE INDICATORS OF THE MICROBIAL CONTAMINATION IN MUSEUMS, ARCHIVES, LIBRARIES, COMPOSTING PLANTS AND TANNERIES

12.40 – 13.00

Iwona Majewska (PhD student)

POLYPHENOLIC COMPOSITION AND EFFECT ON CELL VIABILITY OF POLYPHENOL EXTRACTS FROM SELECTED FRUITS

13.00 – 13.20

Łukasz Walas, Natalia Chwin (students)

REGULATION OF ERYTHROPOIESIS BY miRNAs IN HUMANS – THE IMPACT OF miRNAs ON PROTEIN EXPRESSION OF THE ERYTHROCYTE CYTOSKELETON

• **Biotechnology**

13.20 – 13.40

Dominika Wojewska (student)

SEARCHING FOR NEW IONIZATION ENHANCERS FOR QUANTITATIVE MASS SPECTROMETRY-BASED PROTEOMICS

13.40 – 14.00

Katarzyna Matusiak (PhD student)

BIOLOGICAL REMOVAL OF SELECTED ODOROUS COMPOUNDS FROM POULTRY MANURE

14.00 – 15.00 Lunch

15.00 – 15.20

Kamila Niedzielska (PhD student)

THE USE OF MICROALGAE IN CO₂ REMOVAL

15.20 – 15.40

Oleksandr Bondarenko (MSc)

BEHAVIORAL REACTIONS OF RATS IN "OPEN-FIELD" TEST AFTER ALCOHOL ABUSE AND THE INTRODUCTION OF N-STEAROYLETHANOLAMINE

15.40 – 16.00

Nataliia Piechniakova (student)

THE COMPARISON OF INFLUENCE OF CELANDINE ALKALOIDS ON IMMOBILIZED CHOLINESTERASE ACTIVITY

16.00 – 16.20

Beata Biega (PhD student)

THE POSSIBILITY OF USING ANAEROBIC DIGESTION TO PRODUCE BIOGAS FROM SELECTED SUBSTRATES

Room 219

Sections:

● **Anthropology**

10.20 – 10.40

Natalia Pawlak (student)

MORPHOLOGICAL ANALYSIS OF HUMAN CRANIUM

10.40 – 11.00

Paulina Kosztyła (student)

NEUROGENESIS IN THE ADULT BRAIN

11.00 -11.20

Marta Chałupniczak (student)

IS THE EPIDEMIC OF OVERWEIGHT AND OBESITY THREATENS CHILDREN OF NOWA SÓL

11.20 – 11.40

Marta Kubica (student)

ACADEMIC YOUTH'S HEALTH BEHAVIORS

11.40 – 12.00

Maria Rossomagina (student)

CHANGES OF EEG SPECTRAL POWER DURING VERBAL STIMULUS MONOCULAR PRESENTATION

12.00 – 12.20 Coffee Break

12.20 – 12.40

Maciej Grzesiak (student)

RISK BEHAVIORS AMONG YOUTH

● **Botany**

12.40 – 13.00

Mateusz Żytkowicz (PhD student)

THE CONTEMPORARY STATE OF KNOWLEDGE ON SEXUAL AND APOMICTIC REPRODUCTION IN THE REPRESENTATIVES OF THE GENUS *TARAXACUM*

13.00 – 13.20

Grzegorz Migdałek (PhD student)

GENETIC DIVERSITY OF *VIOLA REICHENBACHIANA* AND *VIOLA RIVINIANA* (VIOLACEAE) FROM HEAVY METAL POLLUTED AND CONTROL SITES

13.20 – 13.40

Daniel Pruchniewicz (PhD student)

THE DIVERSITY OF CHOSEN BIOMETRIC FEATURES OF *CARLINA ACAULIS* L. IN THE SUDETY MOUNTAINS – PRELIMINARY RESULTS

13.40 – 14.00

Wojciech Borzyszkowski (student)

THE STRUCTURE OF STANDS AROUND THE RUSAŁKA LAKE (POZNAŃ)

14.00 – 15.00 Lunch

15.00 – 15.20

Piotr Żabicki (PhD student)

MICROPROPAGATION OF *VIOLA EPIPSILA* AND *VIOLA STAGNINA* (VIOLACEAE) – A CRITICALLY ENDANGERED SPECIES IN POLAND

• **Zoology**

15.20 – 15.40

Kamila Wawrocka (Phd student)

HOST SPECIFICITY IN BED BUG (*CIMEX LECTULARIUS*) - A CROSS-FEEDING EXPERIMENT

15.40 – 16.00

Kinga Jakubowska (student)

ASIATIC ELEPHANT (*ELEPHAS MAXIMUS*) RAHNEE – THE STORY WHICH WORTH LISTENING TO

16.00 – 16.20

Aneta Zapart (PhD student)

VARIATION IN ACTIVITY OF BATS AND ABUNDANCE OF THEIR ARTHROPOD PREY OVER POSTGLACIAL LAKES IN TUCHOLA FOREST, NORTHERN POLAND

16.20 – 16.40

Sebastian Pilichowski (MSc)

BASIC ELEMENTS OF THE WHITE RHINOCEROS (*CERATOTHERIUM SIMUM*) HORN

16.40 – 17.00

Stanisław Bury (student)

MELANISM IN SNAKES - COSTS AND BENEFITS

17.00 – 17.20

Magdalena Stencel (student)

CHOSEN ASPECTS OF THE BIOLOGY OF FEATHERTAIL GLIDERS (*ACROBATES PYGMAEUS*)

17.20 – 17.40

Kamila Kacprzak (student)

THE KNOWLEDGE OF MAMMALS AMONGST CHILDREN – AFTER 100 YEARS.

17.40 – 18.00

Kinga Nowak, Maciej Sądowski (students)

OSMIA RUFA - BREEDING AND OBSERVATIONS

Poster session

17.00 – 19.00

Sections:

- Biotechnology (biophysics, biotechnology, chemistry)
- Ecology (architecture and landscape ecology, plant ecology, animal ecology)
- Environment Protection (biodiversity, protection of natural resources)

17.00 – 19.00 Presentations of posters by authors (Posters will be presented on the corridor on the 1st floor)

20.00 - Integration meeting in "Reset-game bar", Podgórna 47 A, Zielona Góra

10.11.2012

Plenary session (room 115)

Room 219

Section:

● Ecology

9.00 – 9.20

Wojciech Borzyszkowski (student)

STEM VOLUME AND ABOVEGROUND WOODY BIOMASS IN *PINUS PEUCE* (GRISEB.) STANDS IN THE ROGÓW ARBORETUM

9.20 – 9.40

Marcin Dyderski, Anna Gdula i Wojciech Borzyszkowski (students)

VEGETATION AND ITS ANTHROPOGENIC CHANGES OF AREA AROUND THE RUSAŁKA LAKE IN POZNAŃ

9.40 – 10.00

Monika Ciężka (PhD student)

A8 HIGHWAY AND AIR QUALITY IN WROCLAW CITY

10.00 – 10.20

Dagmara Kołeczek-Sprawka (MSc)

SELECTED DETAILS OF THE FUNCTIONING SEWAGE TREATMENT PLANT AT THE GUESTHOUSE "CROWN" IN MODRYCA, NEAR NOWA SÓL (DISTRICT: NOWOSOLSKI, PROVINCE: LUBUSKIE)

10.20 – 10.40 Coffee Break

10.40 – 11.00

Kamil Gęsikiewicz, Mateusz Rawlik (students)

NEOPHYTES (*PRUNUS SEROTINA* L., *CORNUS ALTERNIFOLIA* EHRH.) NATURAL REGENERATION ON EXPERIMENTAL PLOTS IN ROGÓW ARBORETUM

12.20 – 12.40 Coffee Break

14.00 – 15.00 Lunch

Room 115

Section:

● Environment Protection

9.00 – 9.20

Bartłomiej Glina (PhD student)

THE IMPACT OF ENVIRONMENTAL FACTORS OF TRACE ELEMENTS CONTENT IN ORGANIC SOILS IN THE IZERA MOUNTAINS

9.20 – 9.40

Sebastian Salata (PhD student)

ŚLĘŻAŃSKI LANDSCAPE PARK - THE HOTTEST HOTSPOT OF BIODIVERSITY OF POLISH ANTS

9.40 – 10.00

Michał Mięsikowski (PhD student)

PROTECTION AND RISKS OF ENDEMIC FISH FROM THE AFRICAN GREAT LAKES

10.00 – 10.20

Marcin Dyderski, Anna Gdula (students)

CHANGES OF THE PLANT COVER AND ITS ANTHROPOGENIC CAUSES OF THE TRANSITIONAL AND RAISED PEAT IN THE "MSZAR BODANIEC" NATURE RESERVE

10.20 – 10.40 Coffee Break

10.40 – 11.00

Wojciech Borzykowski, Krzysztof Polański, Marta Reszczyńska (students)

THE ROLE OF NATURAL-FOREST EDUCATION IN SHAPING THE RIGHT ATTITUDES OF CHILDREN TOWARDS NATURE

11.00 – 11.20

Piotr Olszewski (PhD student)

NEW FAUNISTIC RECORDS OF DIGGER WASP (HYMENOPTERA: CRABRONIDAE) FROM POLAND

11.20 – 11.40

Leszek Gersztyn (PhD student)

PROBLEMS IN RECLAMATION OF TAILING LANDFILLS

11.40 – 12.00

Dominika Bogusz (student)

ASSESSMENT TROPHIC STATUS OF WATERS BARTĄG LAKE

12.00 – 12.20

Natalia Królikowska (student)

BREEDING POPULATIONS OF SHOREBIRDS (CHARADRII) ON WETLANDS IN ROGALINSKI LANDSCAPE PARK (POLAND)

12.20 – 12.40 Coffee Break

12.40 – 13.00

Maciej Jędrzejczak (student)

DISTRIBUTION OF THREATENED AND PROTECTED PLANT SPECIES OF DZIEWICZA GÓRA AND SURROUNDINGS OF IMIELENKO IN THE HISTORICAL CONTEXT OF ECOSYSTEM TRANSFORMATIONS SINCE THE END OF THE 19TH CENTURY

13.00 -13.20

Bernadetta Nowoszyńska (MSc)

BISON BREEDING IN SYCOWICE (EX SITU CONSERVATION OF BISON IN POLAND)

14.00 – 15.00 Lunch

Closing the conference (room 115)

15.15 – 16.00 Presentation of awards and closing ceremony