



9th International Conference of Young Naturalists
- "From Biotechnology to Environmental Protection"
- Interdisciplinary Meeting of Young Naturalists
6 - 8 November 2014, Zielona Góra

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

Conference Schedule

Thursday 6.11.2014

8.30 - 12.00 Registration (room 310A)

Introductory session (room 115)

12.30 – 12.45 *Prof. Leszek Jerzak,
dr Krystyna Walińska*

Opening ceremony

12.45 – 13.45 *Prof. Beata Gabryś, D.Sc.*

The inaugural lecture – “Multitrophic interactions in coevolutionary perspective”

14.00 – 15.00

Lunch (room 124)

Poster session (hall on the ground floor)

(please put posters on the tables, according to the numbers, from 9.00 and take away after the poster session)

15.30 – 18.00 Presentations of posters by authors

Molecular biology
Biotechnology
Environmental Protection

Friday 7.11.2014

Plenary session

Molecular biology, Biotechnology (room 219)

Molecular biology

9.00-9.20 *Agata Żyźniewska*
*University of Zielona Góra, Faculty of
Biological Sciences, Zielona Góra,
Poland*

**Mutations linked in hydroxysteroid
dehydrogenases family**

9.20-9.40 *Adrian Arendowski*
*Rzeszów University of Technology,
Faculty of Chemistry, Rzeszów, Poland*

**ADSRRS-fingerprinting and PCR MP – modern
methods of genotyping of microorganisms**

9.40-10.00 *Luiza Dawidowicz*
*Poznan University of Life Sciences,
Faculty of Horticulture and Landscape
Architecture, Poznań, Poland*

**The comparison of the growth of mycelium and
yielding of several strains of *Coprinus comatus*
(Muller: Fries) S. F. Gray acquired from the natural
stands of various Polish regions**

10.00 – 10.30

Coffee Break (room 124)

10.30 – 10.50	Rafał Filip <i>University of Zielona Góra, Faculty of Biological Sciences, Zielona Góra, Poland</i>	Comparative analysis of the M2 proteins of influenza virus A.
10.50 – 11.10	Kornelia Gajek <i>Wrocław Medical University, Wrocław, Poland</i>	Glucose transporters in invasive ductal breast cancer
11.10 – 11.30	Konrad Hus <i>Rzeszów University of Technology, Faculty of Chemistry Rzeszów, Poland</i>	Epigenetic control of gene expression. Characteristic of some imprinted gene clusters and how their aberrations could cause serious disorders
11.30 – 11.50	Anton Lavrinienko <i>Kyiv National Taras Shevchenko University, ESC "Institute of Biology", Kyiv, Ukraine</i>	Estimation of the spontaneous mutation rate in loci <i>cn</i> in natural population of <i>Drosophila melanogaster</i>
11.50 – 12.10	Agnieszka Rusak <i>Wrocław Medical University, Department of Histology and Embryology, Poland</i>	Ykl-40: a potential biomarker in breast cancer
12.10 – 12.30	Edwin Sieredziński <i>University of Warsaw, Faculty of Biology, Institute of Zoology, Warsaw, Poland</i>	Beyond interspecies barriers: why do not species melt away despite hybridization?
12.30 – 12.50	Barbara Wierzowiecka <i>Wrocław Medical University, Department of Histology and Embryology, Poland</i>	Expression of metallothionein isoforms (MT) and vascular endothelial growth factor (VEGF) in breast cancer cells
12.50 – 13.10	Gabriela Żaroffe <i>University of Zielona Góra, Faculty of Biological Sciences, Zielona Góra, Poland</i>	Neuraminidase, hemagglutinin and M2 as the most important proteins of the influenza type A virus. Mutations causing drug-resistance
Biotechnology		
13.10 – 13.30	Ewelina Gronczewska <i>University of Zielona Góra, Faculty of Biological Sciences, Zielona Góra, Poland</i>	Synthesis nanoparticles of iron oxide coated chitosan- application
13.30 – 13.50	Agnieszka Machul <i>Department of Microbiology, Jagiellonian University Medical College, Cracow, Poland</i>	Effect of proteolytic enzymes contained in the metabolites produced by <i>bacteria Pseudomonas aeruginosa</i> on <i>Staphylococcus aureus</i> biofilm in patients with chronic otitis media
13.50 – 14.10	Diana Mikołajczyk <i>Department of Microbiology, Jagiellonian University Medical College, Cracow, Poland</i>	The role of biopolimer - chitozan in reduction of the <i>pseudomonas aeruginosa</i> bacteria isolated from chronic diabetic foot infection
14.10 – 15.00		Lunch (room 124)
15.00 – 15.20	Anna Ostrowska <i>Poznan University of Life Sciences, Department of Chemistry, Poland</i>	Distribution of selected fungal metabolites in different fractions of winter wheat grain from different cultivation systems

- 15.20 – 15.40 **Paulina Rokicka**
West Pomeranian University of
Technology, Institute of Chemical and
Environment Engineering, Szczecin,
Poland
- The antibacterial activity of photocatalysts based
on commercial amorphous TiO₂ modified by
nitrogen and nitrogen/carbon
- 15.40 – 16.00 **Anna Ostrowska**
Poznan University of Life Sciences,
Department of Chemistry, Poland
- Phenolic acids in the different fractions of wheat
grain from different cultivation systems
- 16.00 – 16.20 **Katarzyna Walkowiak**
University of Zielona Góra, Faculty of
Biological Sciences, Zielona Góra,
Poland
- Microorganisms living in our environment

Human biology, Zoology (room 18)

Human biology

- 9.00-9.20 **Jędrzej Baszyński**
Nicolaus Copernicus University,
Collegium Medicum in Bydgoszcz,
Department of Ecology and
Environmental Protection, Bydgoszcz,
Poland
- Influence of xenobiotics in sperm on
spermatogenesis disturbances
- 9.20-9.40 **Martyna Siudak**
University of Gdansk, Gdańsk, Poland
- Salivary cortisol and other parameters during the
driving license course

Zoology

- 9.40-10.00 **Barbara Franielczyk**
University of Silesia, Department of
Zoology, Faculty of Biology and
Environmental Protection, Katowice,
Poland
- The structure of the forewing articulation among
representatives of Sternorrhyncha (Hemiptera)
- 10.00 – 10.20 **Natalia, Kaszyca, Arkadiusz Imiela**
University of Silesia, Department of
Zoology, Faculty of Biology and
Environmental Protection, Katowice,
Poland
- Orthoptera of various habitats of Eastern Beskidy
Mountains
- 10.20 – 10.40 **Agata Kiałka**
University of Wrocław, Faculty of
Biological Sciences, Wrocław, Poland
- Water beetles of Fiji, New Caledonia and Australia -
genus *Scirtes* (Coleoptera: Scirtidae)
- 10.40 – 11.10** Coffee Break (room 124)
- 11.10 – 11.30 **Piotr Piliczewski**
Szczecin University, Faculty of Biology,
Szczecin, Poland
- Response of blackbirds (*Turdus merula*) from the
Central Cemetery in Szczecin to models of different
nest predators
- 11.30 – 11.50 **Tomasz Rek**
Szczecin University, Faculty of Biology,
Szczecin, Poland
- Vertebrate road mortality in different landscape

11.50 – 12.10 **Edwin Sieredziński**
*Institute of Zoology, Faculty of Biology,
University of Warsaw, Warsaw, Poland* **Endemits: does aquatic entomofauna evolve like
other water animal taxa?**

14.00 – 15.00 **Lunch (room 124)**

Ecology, Botany (room 115)

Botany

9.00-9.20 **Anna Kowalska**
*Poznan University of Life Sciences,
Faculty of Horticulture and Landscape
Architecture, Poznań, Poland* **Viability of seeds in selected localities of *Pyrus
calleryana* (Decne.) in Poznań**

9.20-9.40 **Katarzyna Myślicka**
*University of Zielona Góra, Faculty of
Biological Sciences,
Zielona Góra, Poland* **Do traits related to irregularity of leaf margin
change during the growing season?**

Ecology

9.40-10.00 **Wojciech Mandryk**
*University of Zielona Góra, Faculty of
Biological Sciences, Zielona Góra,
Poland* **Sex ratio of population of common juniper
(*Juniperus communis* L.) in Torzym Forest District**

10.00 – 10.20 **Marcin K. Dyderski,**
*The Forestry Student's Association,
Faculty of Forestry, Poznań University
of Life Sciences, Poznań, Poland* **Response of ancient woodland indicator species to
anthropopressure in urban forests of Poznań**

10.20 – 10.40 **Martyna Jankowska-Jarek**
*University of Gdansk, Faculty of
Biology, Poland* **Factors affecting occupation of bat boxes in forests
of Northern Poland – first results including thermal
conditions**

10.40 – 11.00 **Anna Kowalska, Luiza Dawidowicz**
*Department of Botany, Department of
Horticulture and Landscape
Architecture, University of Life
Sciences, Poznań,
Department of Horticulture and
Landscape Architecture, University of
Life Sciences, Poznań* **Historical parks in Poznań**

11.00 – 11.20 **Bartosz Lysakowski**
*Lehrstuhl Allgemeine Ökologie,
Brandenburgische Technische
Universität Cottbus, Germany* **Carcasses in water bodies**

11.20 – 11.50 **Coffee Break (room 124)**

11.50 – 12.10 **Wojciech Borzyszkowski**
*The Forestry Student's Association,
Faculty of Forestry, Poznań University
of Life Sciences, Poznań, Poland* **Biometrical characteristic of selected oak stands
different age classes in Piaski Forest District**

14.00 – 15.00 **Lunch (room 124)**

Environmental Protection (room 22)

Environmental Protection

- 9.00-9.20 **Natalia Czapiewska**
*Poznań University of Life Sciences,
Botanical Section of the Forestry
Students' Association, Poznań, Poland*
- Diversity of plant communities in raised and transitional bogs in the 'Bory Tucholskie' National Park**
- 9.20-9.40 **Krzysztof Turczański**
University of Life Sciences in Poznan
- Common ash problem. Dieback of *Fraxinus excelsior* L. in Poland and European field**
- 9.40-10.00 **Jakub Jakubowski**
*Poznan University of Life Sciences,
Faculty of Forestry, Department of
Forest Technology, Poland*
- Changes in soil cohesion caused by passage of a Ponsse HS10 harvester**
- 10.00 – 10.30** **Coffee Break (room 124)**
- 10.30 – 10.50 **Łukasz Mendyk**
*Nicolaus Copernicus University, Faculty
of Earth Science, Department of Soil
Science and Landscape Management,
Toruń, Poland*
- Soil and vegetation cover correspondence in young glacial landscapes - Brodnica Landscape Park case study**
- 10.50 – 11.10 **Jakub Jakubowski**
*Poznan University of Life Sciences,
Faculty of Forestry, Department of
Forest Technology, Poland*
- The effect of passage of a Logset 3F forwarder on soil cohesion**
- 11.10 – 11.30 **Paulina A. Rutkowska**
*Nicolaus Copernicus University, Faculty
of Earth Sciences, Department of Soil
Science and Landscape Management,
Toruń, Poland*
- The vertical differentiation of organic matter content in chronosequences of soils in the 150 years cycle of the pine timber forest plantation on dunes in the Toruń Basin**
- 11.30 – 11.50 **Agnieszka Sala**
*University of Wrocław, Faculty of
Biological Science, Przybyszewskiego
62/77, 51-148 Wrocław, Poland*
- Butterflies from the genus *Erebia* Dalman 1816 in Karkonosze Mountains**
- 11.50 – 12.10 **Łukasz Tomczyk**
*Poznań University of Life Sciences,
Department of Food Quality
Management, Poznań, Poland*
- Impact assessment of the management of poultry on the environment**
- 12.10 – 12.30 **Luiza Dawidowicz**
*Department of Botany, Department of
Horticulture and Landscape
Architecture, University of Life
Sciences, Poznań,
Department of Horticulture and
Landscape Architecture, University of
Life Sciences, Poznań*
- Content of heavy metals in soil and selected species of tree plants growing in the urban areas**
- 14.00 – 15.00** **Lunch (room 124)**

Poster session (hall on the ground floor)

(please put posters on the tables, according to the numbers, from 8.00 and take away after the poster session)

15.30 – 18.00 Presentations of posters by authors

Botany
Ecology
Human biology
Zoology

20.00 – 24.00 Integration meeting (Minibrowar “Haust”, Pl. Pocztowy 9, Zielona Góra)

Saturday 8.11.2014

9.30 – 11.30

City tour

12.00 – 13.30

Presentation of awards and closing ceremony (room 115)

13.30

Farewell treat