



# 10th International Conference of Young Naturalists

- "From Biotechnology to Environmental Protection"

- Interdisciplinary Meeting of Young Naturalists

12-15 November 2015, Zielona Góra

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

## Conference Schedule

**Thursday 12.11. 2015**

09:00 – 13:00	Registration (room 310 A)
13:10 – 13:30	Opening Ceremony (room 115)
13:30 – 14:30	<b>Opening Lecture „Engineering of Tissues and Internal Organs”</b> - <b>Prof. Sylwester Gogolewski</b>
14:30 – 15:30	Lunch
<b>15:30 – 17:10</b>	<b>Molecular Biology I, Room 115</b>
15:30 – 15:50	<u>Katarzyna Sitarz</u> (Jagiellonian University in Kraków) „Inhibitors of Mdm2 protein in tumor therapy”
15:50 – 16:10	<u>Ielizaveta Gorodetska</u> (National Taras Shevchenko University of Kyiv) „The frequency of 5382insC in patients with breast cancer. Poland and Ukraine, the similarities and features”
16:10 – 16:30	<u>Kristína Candráková</u> (Slovak University of Agriculture in Nitra) „Study of the polymorphisms of the candidates genes LEP and MTHFR associated with obesity in human population”
16:30 – 16:50	<u>Małgorzata Szczęsa</u> (University of Zielona Góra) „The use of microsatellite markers in population research of greater mouse-eared bat ( <i>Myotis myotis</i> )”
16:50 – 17:10	<u>Magdalena Hermaszewska</u> (Wrocław University of Technology) „Cocultures – filled gap between cell cultures and animal testing”
17:10 – 17:30	Coffee break
<b>17:30 – 18:30</b>	<b>Molecular Biology II, Room 115</b>
17:30 – 17:50	<u>Michal Vlček</u> (Slovak University of Agriculture in Nitra) „Impact of the claw disorders on the production of the selected herd of dairy cows”
17:50 – 18:10	<u>Svitlana Serga</u> (Taras Shevchenko National University of Kyiv) „Wolbachia in natural populations of <i>Drosophila melanogaster</i> from Ukraine – ten years of investigations”
18:10 – 18:30	<u>Anna Ostrowska-Kołodziejczak</u> (Poznań University of Life Sciences) „Comparison of antioxidant capacity of organic and conventional cereal products ”
20:00 – 1:00	Integration meeting
<b>15:30 – 16:30</b>	<b>Human Biology, Room 219</b>
15:30 – 15:50	<u>Jędrzej Baszyński</u> (Nicolaus Copernicus University Collegium Medicum in Bydgoszcz) „AZF microdeletions in human chromosome Y – common cause of male infertility”
15:50 – 16:10	<u>Martyna Siudak</u> (University of Gdańsk) „The effectiveness of tasks and coping with stress – subjective and objective evaluation”
16:10 – 16:30	<u>Anna Rorbach-Dolata</u> (Wrocław Medical University) „Neuronal glucotoxicity of human brain”
16.30 – 16.50	<u>Diana Charlene Mujakachi</u> „An assessment of the prevalence of iron deficiency anemia

	among pregnant women. A case study of Gweru General Hospital in Zimbabwe” z
<b>16:50 – 17:30</b>	<b>Zoology I, Room 219</b>
16:50 – 17:10	<u>Natalia Kaszyca</u> (University of Silesia in Katowice) „Ants (Hymenoptera; Formicidae) of the Eastern Beskidy Mountains (Poland).”
17:10 - 17:30	<u>Mateusz Antczak</u> (Adam Mickiewicz University in Poznań) „Ornamentation of the dermal bones of Placodermi from Hamar Laghdad as a taxonomic tool?”
17:30 - 17:50	Coffee break
<b>17:50 – 18:50</b>	<b>Zoology II, Room 219</b>
17:50 – 18:10	<u>Grzegorz Skórzewski</u> (University of Wrocław) „Morphological variation of slow worms ( <i>Anguis fragilis</i> , <i>Anguis colchica</i> ) from Poland”
18:10 – 18:30	<u>Piotr Piliczewski</u> (University of Szczecin) „Can captive Great Plains Ratsnakes ( <i>Pantherophis emoryi</i> ) associate a neutral scent with food?”
18:30 – 18:50	<u>Katarzyna Turzańska</u> (University of Wrocław) „Habitat selection of the Whitethroat <i>Sylvia communis</i> on the outskirts of Wrocław”
20:00 – 1:00	Integration meeting

### Friday 13.11. 2015

<b>10:20 – 12:00</b>	<b>Biotechnology I, Room 115</b>
10:20 – 10:40	<u>Kamila Gancarz</u> (University of Zielona Góra) „The Effect of Fe <sub>3</sub> O <sub>4</sub> Nanoparticles on Survival of Probiotic Bacteria <i>Lactobacillus plantarum</i> 299v in Lower pH”
10:40 – 11:00	<u>Ewelina Gronczewska</u> (University of Zielona Góra) „Drug release from the magnetic nanoparticles coated with chitosan, peg and dextran”
11:00 – 11:20	<u>Justyna Staninska-Pięta</u> (Poznań University of Life Sciences) „Biodegradation kinetic studies for the removal of PAH from wastewater using natural sorbents and novel ECL detection method”
11:20 – 11:40	<u>Katarzyna Ratajczak</u> (Poznań University of Life Sciences) „Microbial quality of fermented foods of plant origin ”
11:40 – 12:00	<u>Karolina Andrzejewska</u> (Adam Mickiewicz University in Poznań) „Elimination of contamination in plant tissue cultures of <i>Sida hermaphrodita</i> ”
12:00 – 12:20	Coffee Break
12:20 – 13:20	<b>Lecture I „Do we still need naturalists?” - As. Prof. Jörg Böhner</b>
<b>13:20 – 14:00</b>	<b>Biotechnology II, Room 115</b>
13:20 – 13:40	<u>Olga Matskiv</u> (National University Lviv Polytechnic) „Spectrophotometric method of mycorrhizal woodplanting stock”
13:40 – 14:00	<u>Marta Cieślík</u> (Poznań University of Life Sciences) „Advantages and disadvantages of methane fermentation under mesophilic and thermophilic conditions”
14:00 – 15:00	Lunch
15:00 – 16:00	<b>Lecture II „Biodiversity, ecosystem services and conservation of soils” – Prof. Willi Xylander</b>
<b>16:10 – 16:50</b>	<b>Biotechnology III, Room 115</b>
16:10 – 16:30	<u>Ewa Lisiecka</u> (Warsaw University of Life Sciences) „The influence of <i>Aspergillus niger</i> mould of the composition of poplar wood ( <i>Populus sp.</i> )”
16:30 – 16:50	<u>Jan Szadkowski</u> (Warsaw University of Life Sciences) „Changes in the porosity poplar wood ( <i>Populus trichocarpa</i> and <i>P. maximowiczii</i> ) after steam explosion.”
16:50 – 17:10	Coffee Break
<b>17:10 – 17:50</b>	<b>Biotechnology IV, Room 115</b>
17:10 – 17:30	<u>Anna Lewandowska</u> (Warsaw University of Life Sciences) „Change in the composition of poplar wood ( <i>Populus sp.</i> ) infected with cellar fungus ( <i>Coniophora puteana</i> )”
17:30 – 17:50	<u>Mateusz Sydow</u> (Poznań University of Technology) „Structural resilience and resistance of a diesel-degrading bacterial consortium”
18:00 – 19:30	<b>Poster Session: Human Biology, Zoology, Biotechnology, Molecular Biology</b>

## Saturday 14.11. 2015

<b>09:00 – 10:20</b>	<b>Environmental Protection I, Room 115</b>
09:00 – 09:20	<u>Wojciech Smułek</u> (Poznań University of Technology) „Influence of surfactants on biodegradation of hydrophobic pollutants”
09:20 – 09:40	<u>Zuzanna Szczepaniak</u> (Poznań University of Life Sciences) „Pros and cons of using surfactants in environmental protection”
09:40 – 10:00	<u>Olga Andrzejczak</u> (Lodz University of Technology) „Identification of filamentous bacteria from two municipal wastewater treatment plants from Lodz region”
10:00 – 10:20	<u>Klaudia Kurczaba</u> , <u>Magdalena Kulesza</u> , <u>Krzysztof Kolenda</u> (University of Wrocław, II Secondary School of Reymont in Ostrów Wielkopolski) „Littering as a lethal threat to small animals”
10:20 – 10:40	Coffee Break
10:40 – 11:40	<b>Lecture III „From <i>Drosophila</i> to Antarctic vascular plants” (Looking for collaboration) - Dr. Iryna Kozeretska</b>
<b>11:40 – 12:40</b>	<b>Environmental Protection II, Room 115</b>
11:40 – 12:00	<u>Oksana Aliieva</u> (National Aviation University) „Enhancement of microbial biodegradation of oil pollution”
12:00 – 12:20	<u>Paulina Anna Rutkowska</u> (Nicolaus Copernicus University in Toruń) „The development of soil organic horizons depending on the exposure of the slopes formed in cycle of pine timber forest plantation on dunes in the Toruń Basin”
12:20 – 12:40	<u>Marcin Sykuła</u> (Nicolaus Copernicus University in Toruń) „Changes in land use of organic soils in the Black and White Kuyavia regions in the second part of the XX century ”
12:40 – 13:00	Coffee Break
13:00 – 14:00	<b>Lecture IV “The sex life of plants” - As. Prof. Grzegorz Iszkuło</b>
14:00 – 15:00	Lunch
<b>15:00 – 16:20</b>	<b>Environmental Protection III, Room 115</b>
15:00 – 15:20	<u>Ciprian Dumitru Muscă</u> (Stefan cel Mare University, Suceava, Romania) „Setting sample for calculation of local taper equations parameters for spruce in North Eastern Romania”
15:20 – 15:40	<u>Łukasz Tomczyk</u> (Poznań University of Life Sciences) „Air quality in poultry production”
15:40 – 16:00	<u>Jan Kaczmarek</u> (Poznań University of Life Sciences) „Bird use of miscanthus <i>Miscanthus x giganteus</i> fields in Polish farmland – preliminary results”
16:00 – 16:20	<u>Łukasz Tomczyk</u> (Poznań University of Life Sciences) „Chemical contamination of eggs in different systems of laying hens”
16:30 – 17:00	Coffee Break
17:00 – 18:30	<b>Poster Session: Botany, Ecology, Environmental Protection</b>
<b>09:00 – 10:20</b>	<b>Ecology I, Room 219</b>
09:00 – 09:20	<u>Alois Procházka</u> (Mendel University in Brno, Czech Republic) „Plant species of the family Orchidaceae in a location close to the village of Babice nad Svitavou in Czech Republic”
09:20 – 09:40	<u>Joanna Maria Sulich</u> (Jagiellonian University in Kraków) „Ant - Plant Coevolution: Case of Azteca-Cecropia Mutualism”
09:40 – 10:00	<u>Sebastian Pilichowski</u> (University of Zielona Góra) „Does <i>Hartigiola annulipes</i> locate its leaf galls according to the cardinal directions?”
10:00 – 10:20	<u>Maciej Kamiński</u> (University of Łódź) „Selected aspects Black Stork <i>Ciconia nigra</i> reproductive biology in central Poland”
10:20 – 10:40	Coffee Break
10:40 – 11:40	<b>Lecture III „From <i>Drosophila</i> to Antarctic vascular plants” (Looking for collaboration) - Dr. I. Kozeretska</b>
<b>11:40 – 12:40</b>	<b>Ecology II, Room 219</b>
11:40 – 12:00	<u>Kamila Gach</u> (University of Łódź) „The composition of Great Cormorant <i>Phalacrocorax carbo</i> diet at Jeziorsko reservoir in breeding period between 2004-2015”
12:00 – 12:20	<u>Grażyna Butrykowska</u> (University of Gdańsk) „The comparison of the diet composition and food niche breadth of the European otter ( <i>Lutra lutra</i> ) and the American mink

12:20 – 12:40	( <i>Neovison vison</i> ) in Żuławy Wiślane, Northern Poland” <u>Agnieszka Cabała</u> (Wrocław University of Environmental and Life Sciences) „Morphological variability of <i>Euphorbia cyparissias</i> L. among populations occurring in xerothermic grasslands on different rocks”
12:40 – 13:00	Coffee Break
13:00 – 14:00	<b>Lecture IV “The sex life of plants” - As. Prof. G. Iszkuło</b>
14:00 – 15:00	Lunch
<b>15:00 – 16:20</b>	<b>Botany, Room 219</b>
15:00 – 15:20	<u>Marek Szczerba</u> (Poznań University of Life Sciences) „Growth of mycorrhizal and nonmycorrhizal scots pine seedlings planted in post-agricultural land”
15:20 – 15:40	<u>Mateusz Wala</u> (University of Łódź) „Antioxidant enzymes response in common bean leaves after <i>Pseudomonas syringae</i> pv. <i>phaseolicola</i> infection and treatment with BTH”
15:40 – 16:00	<u>Małgorzata Żyżniewska</u> (University of Łódź) „LDH activity and lipid peroxidation in <i>Cucumis sativus</i> L. BTH treated leaves”
16:00 – 16:20	<u>Natalia Czapiewska, Aleksandra Cwiejkowska</u> (Poznań University of Life Sciences) “What makes plant communities more vulnerable to <i>Impatiens parviflora</i> DC invasion?”
16:30 – 17:00	Coffee Break
17:00 – 18:30	<b>Poster Session: Botany, Ecology, Environmental Protection</b>

### Sunday 15.11. 2015

10:00 – 12:00	Visiting the Centre of Nature in Zielona Góra (14, Dąbrowskiego St.)
12:30 – 13:30	Presentation of awards and closing ceremony (room 115, building A-8)
13:30	Farewell treat (building A-8)