

ANTHROPOLOGY

Plenary session

- I. *Wahili Chiari Arcia* „Biological and cultural aspects of albinism among Kuna people”;
Oliwia Patrzyka The morphological analysis of the teeth in the case study of the preserved human cranium

Poster session

- II. *Katarzyna Walendzik* The infant mortality rate as a result of abnormalities in fetus – mother – environment system factors
- III. *Marta Ziętek, Martyna Siudak* Treatment of multiple sclerosis: mechanism of action of natalizumab and interferon beta

MOLECULAR BIOLOGY

Plenary session

- I. *Kamila Kacprzak* Anion exchanger 1 and its involvement in erythrocyte and kidney disorders
- II. *Tomasz Gulanicz* The accumulation of poly(A)RNA in *Arabidopsis thaliana* coilin-mutated cells of NCB-1 and PCB-1 models
- III. *Marta Woźniak* Relationship between the oxidative stress-associated Src activator and c Src tyrosine kinase in the mechanism of photodynamic therapy
Special award:
Agnieszka Machul Does the concentration of glucose affects the quantity and biochemical structure of the *P.aeruginosa* biofilm formed in patients with chronic diabetic foot wounds?
Mateusz Rawski The effects of dietary probiotics on the growth performance and selected microflora populations of common musk turtle (*Sternotherus odoratus*)
Barbara Ziółkowska The autophagic response to photodynamic therapy
Łukasz Smoliński microRNAs (miRNAs) and Copy Number Variations (CNVs) –new revolution in the field of molecular biology and genetics

Poster session

- I. *Anton Lavrinienko* The dynamics of mutational processes in natural populations of *Drosophila melanogaster* of Ukraine
- II. *Barbara Wojciechowska* The application of ELF 97 method in the localization of intron sequences within the Cajal bodies in microsporocytes of *Larix decidua* Mill
- III. *Oleksandr Maistrenko* No differences in the transmission fidelity between the wolbachia genotypes wMel and wMelCS through one generation of *Drosophila melanogaster*
Special award:
Aleksandra Kuzan Expression of HSP70 evaluated in human breast adenocarcinoma cells after electrochemotherapy

Marcin Andrzej Polatowski Microorganisms in the deep groundwater in Poland
Natalia Wojciechowska snRNP-rich cytoplasmic bodies (CsBS)– a new place in the snRNP biogenesis pathway

BIOTECHNOLOGY

Plenary session

- I. *Anna Grzybkowska* Can chlorine kinetic isotope effect really serve as a mechanistic tool for uncatalyzed hydrolysis of atrazine? – an insight from a combination of experiment and computation
- II. *Agnieszka Rusak* The influence of natural phenolics on viability of L929-cells”
Lucyna Sławik-Dembiczak „Biogas purification using microalgae

Poster session

- I. *Justyna Barys* Practical use of „Lab on a chip” technology – growth dynamics of *Escherichia coli* in microfluidic device
- II. *Dominika Andrys* Calli induction of *Lavandula angustifolia* Mill

BOTANY

Plenary session

- I. *Agnieszka Stelmasik* The mystery of underground death in plants
- II. *Marcin Dyderski, Anna Gdula* Expansion of the alien woody plants in the Warta river valley in Poznań
- III. *Agnieszka Rogula* Estimation of agrimoniin and allagic acid content in different strawberry fructification phases

Poster session

- I. *Ewa Muszyńska* The effect of cadmium ions on the antioxidant activity in calamine *Dianthus carthusianorum* ecotype shoots
- II. *Adrian Talaśka* Does taproot cutting influence the response of pioneer root to flooding
- III. *Agnieszka Kupska* Effect of salt stress on quality of *Chrysanthemum × grandiflorum* (Ramat.) Kitam
Special award:
Agnieszka Rogula Antioxidant properties of rye brans extracts

ECOLOGY

Plenary session

- I. *Natalia Królikowska* Mechanisms of territories clustering in songbirds: wood Warbler as a case study
- II. *Sandra Wajchman* The development of forest landscape in urban and suburban areas
- III. *Aleksandra Jakubowska* Temporal features of bird song and the territorial defense in the ortolan bunting *Emberiza hortulana*

Poster session

- II. *Hubert Mielcarek* The idea of Garden City in selected examples of Polish Cities
- Magdalena Szpinda* Environmental conditions of wind farm locations based on example of Resko Commune

ENVIRONMENTAL PROTECTION

Plenary session

- I. *Krzysztof Kolenda, Mikołaj Kaczmarski* Overexploitation of amphibian populations in the age of their global extinction
- II. *Agata Kiałka* Specificity of butterfly-ant myrmecophilous relationships and population size in large blues *Phengaris* (=Maculinea) (Lepidoptera: Lycaenidae) at Bystrzyca valley (Natura 2000 „Łęgi nad Bystrzycą” and „Dolina Widawy”)
- III. *Bartłomiej Glina* Chemical composition of peat waters of selected peatland areas in the central part of Sudetes

Poster session

- I. *Bartłomiej Glina* Long-term effects of drainage on composition of plants communities and soil properties in the „Długie Mokradło" bog
- II. *Leszek Gersztyn* Evaluation of the phytostabilization usefulness of plants species in reclamation of tailings landfills
- III. *Oskar Bojko* Organic carbon stocks in surface soil horizons of upper forest zone of the Karkonosze Mountains

ZOOLOGY

Plenary session

- I. *Anna Dzierżyńska* The impact of a competitor *Dikerogammarus villosus* and predatory fish *Babka gymnotrachelus* on the habitat selection by an invasive gammarid *Pontogammarus robustoides*
 - Piotr Piliczewski* Hybridization among snakes of the genus *Lampropeltis* (Serpentes; Colubridae; Colubrinae)
 - Łukasz Steczko* Evolutionary history of feather mites (Astigmata)
 - II. *Paulina Szymańska* Correlation between capacity for facultative non-shivering thermogenesis (NST) and resting metabolic rate of Bank voles *Myodes* (=Clethrionomys) glareolus selected for high metabolic rate
 - III. *Mateusz Rawski* Veterinary issues in captive breeding of African helmeted turtle (*Pelomedusa subrufa* Lacépède, 1788) – case report
- Special award:
- Dawid Mika* Origin and early evolution of lampreys (Petromyzontiformes)
 - Edwin Sieredziński* Hybridization and animal phylogenetic development mechanisms

Poster session

- I. *Bartosz Baran* Long-term effects of caffeine injection on house cricket *Acheta domesticus* locomotor activity
- II. *Barbara Franielczyk* *Solidago canadensis* (L.) - new host plant for *Trama troglodytes* von Heyden, 1837 (Aphidoidea, Lachnidae) in Poland
- III. *Natalia Kaszyca, Arkadiusz Imiela* New data on the ant fauna (Hymenoptera, Formicidae) of Eastern Beskidy Mountains (Poland)