

The results of 10th International Conference of Young Naturalists -"From Biotechnology to Environmental Protection" - Interdisciplinary Meeting of Young Naturalists

BIOTECHNOLOGY

Plenary session

I place

Mateusz Sydow – “Structural resilience and resistance of a diesel – degrading bacterial consortium”.

II place

Justyna Staninska – „Biodegradation kinetic studies for the removal of PAH from wastewater using natural sorbents and novel ECL detection method”.

III place

Marta Cieřlik – „ Advantages and disadvantages of methane fermentation under mesophilic and thermophilic conditions”.

The distinction

Ewelina Gronczewska – “Drug release from the magnetic nanoparticles coated with chitosan, peg and dextran”.

Poster session

The distinction

Izabela Biskup – “Ferric reducing activity of selected ciders”.

Weronika Worobiec – “Applications magnetic nanoparticles in immunoassay construction”.

MOLECULAR BIOLOGY

Plenary session

I place

Małgorzata Szczęsna – „The use of microsatellite markers in population research of greater mouse – eared bat (*Myotis myotis*)”.

II place

Svitlana Serga – “Wolbachia in natural populations of *Drosophila melanogaster* from Ukraine – ten years of investigations”.

III place

Magdalena Hermaszewska – “Cocultures – filled gap between cell cultures and animal testing”.

The distinction

Kristina Candrakova – “Study of the polymorphisms of the candidates genes LEP and MTHFR associated with obesity in human population”.

Poster session

I place

Michał Kulus – “Interacting genes of GDF15 – comprehensive predictive protein”.

II place

Yaroslava Mishchuk – “Association of TP53 Arg72Pro polymorphism (rs1042522) with bladder cancer risk in the Ukrainian population”.

III place

Damian Jacenik – “G protein-coupled estrogen receptor as a modulator of irritable bowel syndrome and colorectal cancer”.

Anita Leciejewska, Kamila Kacprzak – „A novel L1340P mutation in the ANK1 gene is associated with hereditary spherocytosis”.

The distinction

Piotr Ciesielski – “Epithelial to mesenchymal transition (EMT) regulators expression in endometrial cancer”.

Małgorzata Szczęsna – “The analysis of microsatellite loci in brown long-eared (*Plecotus auritus*).

HUMAN BIOLOGY

Plenary session

I place

Anna Rorbach-Dolata – „Neuronal glucotoxicity of human brain”.

II place

Martyna Siudak – „The effectiveness of tasks and coping with stress – subjective evaluation”.

III place

Jędrzej Baszyński – „AZF microdeletions in human chromosome Y – common cause of male infertility”.

Poster session

I place

Aleksandra Nowak – “Nestin as a new marker of angiogenesis evaluation in breast cancer patients”.

II place

Joanna Górka-Dynysiewicz – “Parameters of chronic inflammatory state in the healthy populations of Wrocław”.

III place

Pamela Siudaj – Hyponatremia in athletes. Reasons, symptoms and prevention”.

BOTANY

Plenary session

I place

Mateusz Wala – “Antioxidant enzymes response in common bean leaves after *Pseudomonas syringae* pv. *Phaseolicola* infection and treatment with BTH”.

Małgorzata Żyźniewska – “LDH activity and lipid per oxidation in *Cucumis sativus* L. BTH treated leaves”.

III place

Marek Szczerba – “Growth of mycorrhizal and nonmycorrhizal scots pine seedlings planted in post-agricultural land”.

ZOOLOGY

Plenary session

I place

Katarzyna Turzańska – “Habitat selection of the Whitethroat *Sylvia communis* on the outskirts of Wrocław”.

II place

Grzegorz Skórzewski – “Morphological variation of slow worms (*Anguis fragilis*, *Anguis colchica*) from Poland”.

III place

Mateusz Antczak – “Ornamentation of the dermal bones of Placodermi from Hamar Laghdad as a taxonomic tool”.

Poster session

I place

Magdalena Wieczorek – “Ticks in sand lizards (*Lacerta agilis*) in Gubin (western Poland).”

II place

Bartosz Baran – “Eye pigments of white-eyed *Acheta domesticus* mutant strain”.

III place

Andżelina Łopińska – “Ticks (Acari: Ixodida) occurrence on roe deer in two hunting districts in county of Nowa Sól (Lubuskie Province, Poland)”.

The distinction

Gana Kuzo – “Breeding ornithofauna along an urban gradient”.

ECOLOGY

Plenary session

I place

Joanna Maria Sulich – “Ant-Plant Coevolution: Case of Azteca – Cecropia Mutualism”.

II place

Sebastian Pilichowski – “Does *Hartigiola annulipes* locate its leaf galls according to the cardinal directions?”.

III place

Grażyna Butrykowska – “The comparison of the diet composition and food niche breadth of the European otter (*Lutra lutra*) and the American mink (*Neovison vison*) in Żuławy Wiślane, Northern Poland”..

Poster session

I place

Marta Leśniak – “Growth analysis of pumpkinseed *Lepomis gibbosus* in a warm-water canal of the Dolna Odra Power Plant”.

II place

Marlena Paprocka – “Herbivores in the vineyards of Lubuskie Province”.

III place

Bartosz Bułaj – “Silvicultural characteristics of silver fir (*Abies alba* Mill.) natural regeneration growing under and without main stand canopy”.

ENVIRONMENTAL PROTECTION

Plenary session

I place

Klaudia Kurczaba, Magdalena Kulesza, Krzysztof Kolenda – “Littering as a lethal threat to small animals”.

II place

Oksana Aliieva – "Enhancement of microbial biodegradation of oil pollution".

III place

Wojciech Smułek – "Influence of surfactants on biodegradation of hydrophobic pollutants".

Zuzanna Szczepaniak – "Pros and cons of using surfactants in environmental protection".

Paulina Anna Rutkowska – "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"

Jan Kaczmarek – "Bird use of miscanthus *Miscanthus x giganteus* fields in Polish farmland – preliminary results".

Poster session

I place

Agnieszka Brygider – "The role of aquatic plants in protecting waters from excess accumulation nutrients".

II place

Małgorzata Oszkinis-Golon – "The aquatic macrophyte flora of the Muskau Arc reservoirs vs. pH and electrolytic conductivity of water".

III place

Paulina Bączek – "Analysis of cyanobacterial and algae flora communities as an evaluation method of trophic changes in two water reservoirs in Szczytnicki Park area (Wrocław)".