

## BIOTECHNOLOGY

### Plenary session

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|----|-------------------|--|
| I  | Agnieszka Machul  | <b>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</b> |
| I  | Diana Mikołajczyk | <b>The role of biopolimer - chitozan in reduction of the <i>pseudomonas aeruginosa</i> bacteria isolated from chronic diabetic foot infection</b>  |
| II | Anna Ostrowska    | <b>Phenolic acids in the different fractions of wheat grain from different cultivation systems</b>   |

### Poster session

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|-----|-------------------------------|--|
| I   | Aleksandra Sokołowska-Wędzina | <b>Effective in vitro affinity maturation of anti-FGFR1 single chain variable fragment antibody</b>    |
| II  | Aleksandra Borek              | <b>Identification of human high-affinity antibody fragments specific for FGFR2 using phage display</b> |
| III | Renata Wawrzaszek             | <b>Photodegradability of polypropylene- own experiments</b>  |

## MOLECULAR BIOLOGY

### Plenary session

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|---------------|----------------------|--|
| I             | Anton Lavrinienko    | <b>Estimation of the spontaneous mutation rate in loci <i>cn</i> in natural population of <i>Drosophila melanogaster</i></b> |
| II            | Adrian Arendowski    | <b>ADSRRS-fingerprinting and PCR MP – modern methods of genotyping of microorganisms</b>                                     |
| III           | Kornelia Gajek       | <b>Glucose transporters in invasive ductal breast cancer</b>   |
| Special award | Barbara Wierzowiecka | <b>Expression of metallothionein isoforms (MT) and vascular endothelial growth factor (VEGF) in breast cancer cells</b>      |

### Poster session

I	Ielizaveta Gorodetska	Variation of <i>BRCA</i> genes mutations in Ukraine
II	Kamila Kacprzak Łukasz Walas	TATA-box mutant in the promoter of the uridine diphosphate glucuronosyltransferase (UGT) gene in polish patients with hereditary hiperbilirubinaemia
Special award	Małgorzata Batycka	Metabolic activity of L929 cells in indirect contact with nanomaterials
Special award	Katarzyna Demska	The dependence of the evaluation of the PDI-4D gene expression on the genetic material quality

### HUMAN BIOLOGY

#### Plenary session

I	Martyna Siudak	Salivary cortisol and other parameters during the driving license course
II	Jędrzej Baszyński	Influence of xenobiotics in sperm on spermatogenesis disturbances

#### Poster session

I	Oliwia Patrzykał	The latent obesity among young people -the pilot study
II	Martyna Siudak Marta Ziętek	Effects of favoritism on learning in humans
III	Marta Ziętek Martyna Siudak	The role of the central noradrenergic system in neurodegenerative diseases

### BOTANY

#### Plenary session

II	Katarzyna Myślicka	Do traits related to irregularity of leaf margin change during the growing season?
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- II Wojciech Mandryk **Sex ratio of population of common juniper (*Juniperus communis* L.) in Torzym Forest District**

**Poster session**

- I Tran Thi Hong Phuong **Coastal vegetation in Vietnam**

**ZOOLOGY**

**Plenary session**

- I Agata Kiałka **Water beetles of Fiji, New Caledonia and Australia - genus *Scirtes* (Coleoptera: Scirtidae)**
- II Barbara Franielczyk **The structure of the forewing articulation among representatives of Sternorrhyncha (Hemiptera)**
- II Piotr Piliczewski **Response of blackbirds (*Turdus merula*) from the Central Cemetery in Szczecin to models of different nest predators**
- III Natalia Kaszyca  
Arkadiusz Imiela **Orthoptera of various habitats of Eastern Beskidy Mountains**

**Poster session**

- I Barbara Franielczyk **Forewing surface of *Aleyrodes proletella* Linnaeus, 1758 - the representative of Aleyrodidae family (Sternorrhyncha, Hemiptera)**
- II Aleksandra Bańkowska **Psammophilous species of *Hydracarina* in glacial lakes in Lubuskie region**
- II Angelina Kubusiak  
Małgorzata Tomecka **Cantharidae, Lampyridae and Lycidae (Coleoptera: Elateroidea) in the Eastern Beskidy Mountains**

**EKOLOGY**

**Plenary session**

- I Marcin K. Dyderski **Response of ancient woodland indicator species to anthropopressure in urban forests of Poznań**

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|-----|-------------------------|---|
| II  | Bartosz Lysakowski      | <b>Carcasses in water bodies</b>  |
| III | Martyna Jankowska-Jarek | <b>Factors affecting occupation of bat boxes in forests of Northern Poland – first results including thermal conditions</b> |
| III | Wojciech Borzyszkowski  | <b>Biometrical characteristic of selected oak stands different age classes in Piaski Forest District</b>                    |

**Poster session**

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|-----|---------------------|---|
| I   | Marlena Paprocka    | <b>The effect of jasmonic acid derivatives on green peach aphid <i>Myzus persicae</i> (Sulz.) behaviour and feeding</b> |
| II  | Ganna Kuzo          | <b>Bird species diversity in the outskirts of Lviv (Ukraine)</b>  |
| III | Grażyna Butrykowska | <b>Diet of the American Mink in Żuławy Wiślane, northern Poland – seasonal variation</b>                                |

**ENVIRONMENTAL PROTECTION**

**Plenary session**

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|-----|----------------------|---|
| I   | Agnieszka Sala -     | <b>Butterflies from the genus <i>Erebia</i> Dalman 1816 in Karkonosze Mountains</b>   |
| II  | Natalia Czapiewska   | <b>Diversity of plant communities in raised and transitional bogs in the 'Bory Tucholskie' National Park</b>  |
| III | Paulina A. Rutkowska | <b>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</b> |

**Poster session**

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|----|------------------|--|
| I  | Oskar Bojko      | <b>Comparision of two methods for quantifying soil carbon in mountain soils</b>                          |
| II | Mateusz Zagórski | <b>Influence of different type of land use on soil properties in the Stołowe Mountains National Park</b> |

III	Aleksandra Loba	<b>Properties of soils developed from cretaceous sandstones in the Stołowe Mountains National Park</b>
Special award	Agnieszka Brygider Sandra Brzozowska Michał Brzozowski Monika Jurgiel	<b>Trophic status part of Gwda oxbow lake (North Greater Poland)</b>
Special award	Michał Brzozowski	<b>Sturgeon viewing as diving-tourism (Lake Płotki, Poland): observations of behavior and impacts on submerged vegetation</b>
Special award	Yogili Chiari Arca Marek Kaja	<b>Technical infrastructure of nature educational trail in the area of the Nowogród Bobrzański natural resources mine</b>
Special award	Ita Szczepańska	<b>Biodiversity of the Nowogród Bobrzański natural resources mine- the educational and pro-ecological offers</b>