



*New Challenges of Science in the Era of
Environmental Changes in Different Sectors
22 June -23 June 2023 Krakow*



CONFERENCE SCHEDULE

DAY 1 22.06.2023

8:00- 8:45	Registration
8:45-9:00	Official Opening
9:00-11:00	Plenary lecture (Invited guests)
11:00-11:30	Coffee Break
11:30-14:00	Plenary Session
14:00-15:00	Lunch Break
15:00-17:20	Poster Session
18:00	Integration Party at Arka

DAY 2 23.06.2023

9:00-10:00	Conference summary
11:00-16:00	The Tour Around Old Town



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CONGRESS CENTRE

DAY 1 22.06.2023

- 8:00- 8:45 Registration
- 8:45-9:00 Official Opening
- 9:00-9:30 Anna Augustyn-Mitkowska *Academic Business Incubator*
- 9:30-10:00 Piotr Hołubowicz *„SOLARSTOP - Intelligent, ecological and energy self-sufficient public transport stop"- presentation of the results of research and development work”*
- 10:00-10:30 Jose Lizardo Reyna Bowen *Agreement on cooperation between the University of Agriculture in Krakow and the Agricultural Polytechnic School of Manabí - Ecuador*
- 10:30-11:00 Krystyna Pierzchała- Koziec *Perspectives of the animal sciences development*
- 11:00-11:30 Coffee Break
- 11.30-11.45 Klaudia Kulik *Coagulase-negative Staphylococci resistant to β -lactam antibiotics, macrolides and lincosamides isolated from surface waters and artificial snow in mountain areas*
- 11:45-12:00 Odunayo James Rotowa *Attending to prevailing environmental challenges through the adoption of sustainable innovative technology*
- 12:00-12:15 Santosh Hadagali *Assessment of genetic diversity and population structure of carrot accessions with DcSto intron length polymorphism markers*
- 12:15-12:30 Barbara Dobosz *Evaluation of corn crop damage using RGB and multispectral images acquired with unmanned aerial vehicles*
- 12:30-12:45 Anna Rygało-Galewska *Effect of magnesium addition to feed on technological and dietary properties of edible snail meat and shells*
- 12:45-13:00 Klara Zglińska *Active Pure technology improves zoohygienic conditions in the animal house without affecting the homeostasis of the mouse's organism:*
- 13:00-13:15 Marcin Buczek *The influence of nutritional and environmental factors on body weight and selected biochemical parameters in dogs*
- 13:15-13:30 Messias de Carvalho *The effect of plant cover and gypsum parent material on the soil organic matter storage and transformation*
- 13:30-13:45 Martyna Koronowicz *EduGen- a new diagnostic biotechnology based on circadian rhythm DNA markers in the engineering of personalized education*
- 13:45-14:00 Kavya Venugopal *Comparison of bioactive compounds in fermented wild mushrooms vs cultivated*



- 14:00-15:00 Coffe Break/ Lunch
- 15:00-15:05 Wiktoria Ogar *Sorption properties of soils after afforestation with different tree species*
- 15:05-15:10 Marzena Kaźmierczak *Amplitude of soil requirements of selected diagnostic undergrowth plant species*
- 15:10-15:15 Sylwia Ryszczyńska *Evaluation of antifungal properties of rowanberries (*Sorbus aucuparia* L.) extracts against *Fusarium* spp.*
- 15:15-15:20 Thi Hong Van Tran *Effects of Tree Species and Charcoal Removal on Soil Sorption Properties in Post-Fire Forest Recovery*
- 15:20-15:25 Alicja Matera *Inoculation of carrot (*Daucus carota* L.) seeds with endophytic bacteria (*Pantoea vagans*) as an ecological way of counteracting the effects of salinity on plant germination and growth*
- 15:25-15:30 Kamil Gwóźdź *Effect of different fertilization combinations on yield structure and quality of maize grain*
- 15:30-15:35 Julia Gwiazdowska *Spatial and temporal changes in the content of the major birch pollen allergen, Bet v 1 in Poznań and its vicinity*
- 15:35-15:40 Natalia Gumulak-Wołoszyn *Obtaining callus tissues and seedlings of *Ulmus laevis* in vitro - differences in micropropagation and morphogenetic abilities*
- 15:40-15:45 Miłosz Rutkowski *Evaluation of biochemical parameters of red cabbage seedlings (*Brassica oleracea* var. *capitata* f. *rubra*) treated with silver nanoparticles*
- Effect of polymer composites containing gold nanoparticles on the germination of red cabbage (*Brassica oleracea* var. *capitata* f. *rubra*)*
- Evaluation of biometric parameters of arugula seedlings (*Eruca vesicaria* L. sub sp. *sativa*) treated with silver nanoparticles*
- 15:55-16:00 Julia Fabjanowska *Effectiveness of herbal blends addition in calf nutrition*
- 16:00-16:05 Klaudia Jaszczka *Effect of atropine on muscarinic receptor (CHRM3) activity in the small intestine of chicks (*Gallus gallus domesticus*)*
- 16:05-16:10 Szymon Milewski *The impact of herbal additives in broiler chicken nutrition on the fatty acid profile of muscles*
- 16:10-16:15 Aleksandra Suder *The effect of vitamin D3 on the embryonic development of carp (*Cyprinus carpio* L.)*
- 16:15-16:20 Kamil Kustra *Compare the microclimate and sanitary conditions during hatching in the traditional system and the "on-farm system"*



- 16:20-16:25 Oleksandra Klymenko *Technology for the production of SRF fuels from municipal waste and thermally processed biomass*
- 16:25-16:35 Karolina Pargieła *Evaluation of ECOSTRESS thermal data for the city of Krakow according to the land cover type*
Anna Malczewska *Evaluation of ECOSTRESS thermal data for the city of Krakow according to the land cover type*
Aleksandra Jasińska *Evaluation of ECOSTRESS thermal data for the city of Krakow according to the land cover type*
- 16:35-16:40 Stanisław Sękała *Pleurotus ostreatus mycelium enriched with silver nanoparticles for use in a moon habitat*
- 16:40-16:45 Katarzyna Krawczyk *Effect of kale (Brassica oleracea L. var. sabellica) biofortified with iodoquinolines on the viability of human breast cancer cells*
- 16:45-16:50 Karolina Dereń *Selected parameters of the health quality of red cabbage at different stages of its growth*
- 16:50-16:55 Dominika Kwaśny *The impact of adding white clover flower flour to wheat flour muffins on starch digestibility and glycaemic index in vitro*
- 16:55-17:00 Aleksandra Raczyńska *The Role of Diet and Lifestyle in Women with Breast Cancer*
- 17:00-17:05 Paulina Łysakowska *Chemical composition, polyphenol content and antioxidant activity of durum pasta enriched with lion's mane (Hericium erinaceus)*
- 17:05-17:10 Agnieszka Dyląg *The effect of biofortification of lettuce with iodoquinolines in hydroponics on the content of iodine and selected bioactive compounds*
- 17:10-17:15 Aleksandra Such *Formulation and non-cytotoxic properties of edible chitosan-alginate based coatings enriched with numeric and oregano additives*
- 17:15-17:20 Justyna Waśniowska *Iodine - thermal treatment*
- 18:00 Integration Party in Arka (Kraków, ul. Z. Klemensiewicza 3)

DAY 2 23.06.2023

- 9:00-10:00 Conference summary
- 11:00-16:00 The Tour Around Old Town