

ANNOUNCEMENT II

**DOCTORAL SCHOOL
OF THE UNIVERSITY OF LIFE SCIENCES IN LUBLIN
TOGETHER WITH
DOCTORAL STUDENTS COUNCIL
OF THE UNIVERSITY OF LIFE SCIENCES IN LUBLIN**



have the pleasure to invite you to

**1st INTERNATIONAL PhD STUDENT'S CONFERENCE AT THE UNIVERSITY OF
LIFE SCIENCES IN LUBLIN: ENVIRONMENT-PLANT-ANIMAL-PRODUCT
(ICDSUPL)**

26st April, Lublin, hybrid format

JM Rector
of the University of Life Sciences in Lublin
prof. dr hab. Krzysztof Kowalczyk

Vice-Rector for Science
and International Cooperation
of the University of Life Sciences in Lublin
dr hab. Bartosz Sołowiej, Associate Professor

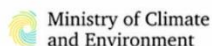
Vice-Rector for Student Affairs
and Education
of the University of Life Sciences in Lublin
dr hab. Urszula Kosior-Korzecka, Associate
Professor

Director of Doctoral School of the University of
Life Sciences in Lublin
prof. dr hab. Katarzyna Ognik

Doctoral Students Council
of the University of Life Sciences in Lublin

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HONORARY PATRONAGE AND PARTNERS



MEDIA PETRONAGE



SCIENTIFIC COMMITTEE

prof. dr hab. Krzysztof Kowalczyk, University of Life Sciences in Lublin, Poland
dr hab. Bartosz Sołowiej, associate prof., University of Life Sciences in Lublin, Poland
dr hab. Urszula Kosior-Korzecka, associate prof., University of Life Sciences in Lublin, Poland
prof. dr hab. Andrzej Marczuk, University of Life Sciences in Lublin, Poland
dr hab. Adam Waśko, associate prof., University of Life Sciences in Lublin, Poland
prof. dr hab. Katarzyna Ognik, University of Life Sciences in Lublin, Poland
prof. dr hab. Barbara Kołodziej, University of Life Sciences in Lublin, Poland
prof. dr hab. Marta Kankofer, University of Life Sciences in Lublin, Poland
prof. dr hab. Brygida Ślaska, University of Life Sciences in Lublin, Poland
prof. dr hab. Waldemar Gustaw, University of Life Sciences in Lublin, Poland
prof. dr hab. Dariusz Andrejko, University of Life Sciences in Lublin, Poland
prof. dr hab. Krzysztof Józwiakowski, University of Life Sciences in Lublin, Poland
dr hab. Arkadiusz Matwijczuk, associate prof., University of Life Sciences in Lublin, Poland
prof. dr hab. Jerzy Demetraki-Paleolog, University of Life Sciences in Lublin, Poland
dr hab. Barbara Sowińska-Świerkosz, associate prof., University of Life Sciences in Lublin, Poland
dr hab. Andrzej Bochniak, associate prof., University of Life Sciences in Lublin, Poland
prof. Anabela Cândida Ramalho Durão, Instituto Politécnico de Beja, Portugal
prof. Paulius Matusevicius, Lithuanian University of Health Sciences, Lithuania
prof. Joan Garcia, Universitat Politècnica de Catalunya-BarcelonaTech, Spain
prof. Luis Inostroza, Ruhr-Universität Bochum, Germany
prof. Igor Tomašević, University of Belgrade, Serbia
prof. Mumtaz Kasha, University of Al-Hamdaniya, Iraq
Assoc. prof. dr. Živilė Tarasevičienė, Vytautas Magnus University Agriculture Academy, Lithuania
PhD Manuela Nagel, Leibniz Institute of Plant Genetics and Crop Plant Research, Germany
PhD Stojan Milovanovic, Senior Scientific Associate, University of Belgrade, Serbia

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ORGANIZING COMMITTEE

prof. dr hab. Katarzyna Ognik, University of Life Sciences in Lublin, Poland – Head of the Committee
dr hab. Barbara Sowińska- Świerkosz, associate prof., University of Life Sciences in Lublin, Poland
PhD Eng. Małgorzata Wysocka, University of Life Sciences in Lublin, Poland–Secretary of the Conference
dr hab. Izabella Kot, associate prof., University of Life Sciences in Lublin, Poland
PhD Justyna Libera, University of Life Sciences in Lublin, Poland
PhD Ewelina Cholewińska, University of Life Sciences in Lublin, Poland
PhD Magdalena Gizińska-Górna, University of Life Sciences in Lublin, Poland
PhD Klaudiusz Szczepaniak, University of Life Sciences in Lublin, Poland
PhD Anna Stępniewska, University of Life Sciences in Lublin, Poland
MSc Karolina Różaniecka, University of Life Sciences in Lublin, Poland
MSc Adam Grdeń, University of Life Sciences in Lublin, Poland
MSc Emilia Osmólska, University of Life Sciences in Lublin, Poland
MSc Kostiantyn Vasiukov, University of Life Sciences in Lublin, Poland
MSc Sebastian Kuśmierz, University of Life Sciences in Lublin, Poland
MA Karolina Kwapisz, University of Life Sciences in Lublin, Poland
MSc Kamila Janicka, University of Life Sciences in Lublin, Poland
MSc Katarzyna Matyszczuk, University of Life Sciences in Lublin, Poland
Vet doctor Artur Ciszewski, University of Life Sciences in Lublin, Poland

VANUE

The conference will be held at the University of Life Sciences in Lublin and it will have a hybrid format.

Stationary events will be held at the **Congress Hall of the** University of Life Sciences in Lublin, Akademicka 15 street, Lublin

WEB SITE

<https://up.lublin.pl/szkola-doktorska/konferencja>

DETAILED PROGRAM

8 ⁰⁰ -9 ⁰⁰	Registration of participants Congress Hall of the University of Life Sciences in Lublin, Akademicka 15 street
9 ⁰⁰ -9 ²⁰	Opening ceremony prof. dr hab. Krzysztof Kowalczyk – Rector of the University of Life Sciences in Lublin dr hab. Bartosz Sołowiej, associate prof. – Vice-Rector for Science and International Cooperation of the University of Life Sciences in Lublin dr hab. Urszula Kosior-Korzecka, Associate Professor - Vice-Rector for Student Affairs and Education of the University of Life Sciences in Lublin
9 ²⁰ -9 ³⁰	Presentation of the Doctoral School of the University of Life Sciences in Lublin – film projection prof. dr hab. Katarzyna Ognik – Director of the Doctoral School
9 ³⁰ -9 ⁵⁰	Inaugural lecture by title: „Transdisciplinarity in Scientific and Engineering Research” prof. Joan Garcia – Universitat Politècnica de Catalunya-BarcelonaTech (Spain)

ANNOUNCEMENT II

	<p>COMPETITION SESSION: “THE ARTIFICIAL INTELLIGENCE IN NATURAL AND TECHNICAL SCIENCES”</p> <p>Competition committee: dr hab. Barbara Sowińska-Świerkosz, Associate Professor UP Lublin -president committee Dawid Kin, Director of the Artificial Intelligence Development Office in the Data Analytics Department of PKO BP S.A. Marcin Ćwikła, Executive Manager of Digital Sales Process Optimization Team at the Digital Services Department of PKO BP S.A. dr hab. Andrzej Bochniak, Associate Professor UP Lublin PhD Justyna Libera, UP Lublin PhD Małgorzata Wysocka, UP Lublin</p>
9 ⁵⁰ -10 ⁰⁰	AI in multiscale environment management on the example of the FaST platform concept Sebastian Kuśmierz , Piotr Skowron, Monika Skowrońska
10 ⁰⁰ -10 ¹⁰	An introduction to artificial intelligence in predicting splicing expression Marcin Kondracki
10 ¹⁰ -10 ²⁰	Effects of lameness on noseband sensor registered feeding attributes Ramūnas Antanaitis, Vida Juozaitienė, Gediminas Urbonavičius, Dovile Malašauskienė, Mindaugas Televičiu, Mingaudas Urbutis , Walter Baumgartner
10 ²⁰ -10 ³⁰	Heat stress relation with dairy cattle productivity, milk composition, and health Dovilė Malašauskienė , Deividas Gedvilas, Mindaugas Televičius Mingaudas Urbutis, Ramūnas Antanaitis
	<p>SESSION 1 – ANIMAL SCIENCES</p> <p>Moderators: PhD Edyta Kowalczyk-Vasilev and MSc Kamila Janicka</p>
10 ³⁰ -10 ⁴⁰	Pseudomonas aeruginosa exotoxin A modulates Galleria mellonella cellular immune response Bartłomiej Iwański , Aleksandra Bartkowska, Monika Koziej, Mariola Andrejko
10 ⁴⁰ -10 ⁵⁰	Joint dysplasia in German Shepherds - selected aspects of diagnosis, treatment and physiotherapy Marta Dybczyńska , Sylwia Kulig
10 ⁵⁰ -11 ⁰⁰	Cladophora glomerata as a potential nutrient source in animal nutrition Monika Nutautaitė , Vilma Vilienė, Asta Racevičiūtė-Stupelienė; Saulius Bliznikas, Jūratė Karosienė, Judita Koreivienė
11 ⁰⁰ -11 ¹⁰	The effect of a low or high-fat diet and supplementation with various forms of chromium on the biodistribution of this element in the rat's organism Aleksandra Marzec , Zuzanna Całyniuk, Radosław Smagieł, Anna Stępniewska, Krzysztof Tutaj, Bartosz Fotschki, Jerzy Juśkiewicz, Katarzyna Ognik
11 ¹⁰ -11 ²⁰	Effect of the multi-strain probiotic formulation Bokashi and clinoptilolite on gut barrier function, intestinal health, and performance of broiler chickens infected with Eimeria tenella Artur Ciszewski , Łukasz Jarosz, Zbigniew Grądzki, Marcin Kalinowski
11 ²⁰ -11 ³⁰	Fallow deer reactions to various sound stimuli Jagoda Czajkowska , Paweł Bogdaszewski, Sara Pieńkowska
11 ³⁰ -11 ⁴⁰	The effect of zearalenone and deoxynivalenol on dairy cows Rimvydas Falkauskas , Violeta Baliukonienė, Bronius Bakutis, Jurgita Jovaišienė, Gintarė Vaičiulienė, Gediminas Gerulis
11 ⁴⁰ -11 ⁵⁰	Review of the poultry feed production technologies Kostiantyn Vasiukov , Piotr Kiczorowski, Agata Blicharz-Kania
11 ⁵⁰ -12 ⁰⁰	Organoselenium compounds activity against Trichophyton mentagrophytes human origin isolates Dominik Łagowski , Sebastian Gnat, Mariusz Dyląg, Marcelina Osińska, Aleksandra Trościańczyk, Aneta Nowakiewicz
12 ⁰⁰ -12 ¹⁰	Resistance to aminoglycosides in Escherichia coli strains isolated from animals Marcelina Osińska , Aneta Nowakiewicz, Sebastian Gnat, Dominik Łagowski, Aleksandra

ANNOUNCEMENT II

	Trościańczyk, Agata Hahaj-Siembida
12 ¹⁰ -12 ²⁰	Effect of insect meal on small intestinal indices in piglets Kinga Szczepanik , Małgorzata Świątkiewicz
12 ²⁰ -12 ³⁰	Biochemical blood parameters depending on meat-type poultry species and rearing intensity Viktoriia Vasylichenko , Karolina Wengerska, Justyna Batkowska
12 ³⁰ -12 ⁴⁰	Wobbly Hedgehog Syndrome in African pygmy and European hedgehogs Anna Witczyńska , Zuzanna Bukowska, Anna Wilczyńska, Michał Wójcik, Łukasz Adaszek
12 ⁴⁰ -13 ¹⁰	Voting for the best competition presentation AI (online) Lunch break/ Poster session* – Animal Sciences
	SESSION 2 – PLANT SCIENCES
	Moderators: dr hab. Magdalena Pogorzelec, Associate Professor, MSc Karolina Różaniecka
13 ¹⁰ -13 ²⁰	Effectiveness of functionalized materials in promoting crop yield and quality Lidia Marcińska-Mazur , Renata Jarosz, Michał Juda, Jakub Mokrzycki, Justyna Szerement, Monika Mierzwa-Hersztek
13 ²⁰ -13 ³⁰	Genetic diversity of Polish Blumeria graminis f. sp avenae population Magdalena Cieplak , Sylwia Okoń, Aleksandra Nucia, Tomasz Ociepa
13 ³⁰ -13 ⁴⁰	The effect of selected growth regulators and biostimulant on acclimation of Echinacea purpurea ‘Raspberry Truffle’ Monika Grzelak
13 ⁴⁰ -13 ⁵⁰	Insights into the genomes of Apilactobacillus kunkeei strains isolated from flowers Klaudia Gustaw , Anita Gorczyca, Patrycja Wojdyło
13 ⁵⁰ -14 ⁰⁰	Assessing the impact of progressive changes in the hemiboreal climate on the cultivation of cabbage (Brassica oleracea L. var. capitata) in Central and Eastern Europe Sebastian Kuśmierz , Monika Skowrońska
14 ⁰⁰ -14 ¹⁰	Immunomodulatory activity of glucooligosaccharides obtained from fungal cell wall α -1,3-glucans Nataliia Kosheva , Sylwia Stączek, Agnieszka Zdybicka-Barabas, Małgorzata Cytryńska, Adrian Wiater, Monika Koziej
14 ¹⁰ -14 ²⁰	Characteristics of Colletotrichum coccodes (Wallr.) S. Hughes isolates as a major factor of anthracnose of cultivated plants Weronika Kursa , Agnieszka Jamiolkowska
14 ²⁰ -14 ³⁰	Formation of the protective layer in horse-chestnut Aesculus hippocastanum Anna Brzostowska , Edyta Gola, Elżbieta Myśkow
14 ³⁰ -14 ⁴⁰	Coffee break/Poster session*– Plant Sciences
	SESSION 3 – TECHNOLOGY
	Moderators: dr hab. Aneta Brodziak, Associate Professor, MSc Adam Grdeń
14 ⁴⁰ -14 ⁵⁰	Prevalence of mycotoxins and endotoxins in total mixed rations and different types of ensiled forages produced in Lithuania Gintarė Vaičiulienė , Jurgita Jovaišienė, Violeta Baliukonienė
14 ⁵⁰ -15 ⁰⁰	Production of botanical soluble powders - innovations and challenges Aleksandra Hendrysiak , Anna Michalska-Ciechanowska
15 ⁰⁰ -15 ¹⁰	The bioactive properties of apples dehydrated in fruit concentrates solutions Magdalena Chądzyńska , Katarzyna Ryba, Artur Wiktor, Małgorzata Nowacka
15 ¹⁰ -15 ²⁰	Functional acid whey cheese with apple pomace and indigenous <i>L. lactis</i> Agne Vasiliauskaite , Justina Mileriene, Loreta Serniene, Beatrice Sungailaite, Lina Lauciene, Neringa Kasetiene, Jurgita Aksomaitiene, Gintare Zakariene, Mindaugas Malakauskas, Milda Kersiene, Daiva Leskauskaite, Jonas Viskelis
15 ²⁰ -15 ³⁰	Pomegranate leaf, as a valuable by-product in food-pharma and nutraceutical industries Manyou Yu , Irene Gouvinhas, Paula Oliveira, Ana Barros
15 ³⁰ -15 ⁴⁰	May bananas go extinct? The epidemic of Panama disease Robert Waraczewski , Adam S. Grdeń, Bartosz G. Sołowiej

ANNOUNCEMENT II

15 ⁴⁰ -15 ⁵⁰	Natural sorbets as an alternative to sweet snacks for children Kamil Haładyn , Paulina Nowicka, Aneta Wojdyło
15 ⁵⁰ -16 ⁰⁰	Evaluation of the possibility of using a 3D scanner to measure deformation of agricultural tires Weronika Ptak , Agata Małeczka, Marek Brennenstul, Jarosław Czarnecki
16 ⁰⁰ -16 ¹⁰	The effect of nettle addition on physicochemical, microbiological and sensory changes in yoghurts made on the basis of organic cow milk Joanna Wajs , Aneta Brodziak
16 ¹⁰ -16 ²⁰	Determination of nutritional value in meat by-products Igne Jukniene, Agne Jankauskiene , Gintare Zaborskiene
16 ²⁰ -16 ³⁰	St. John's wort as a source of health-promoting properties against metabolic syndrome development - <i>in vitro</i> approach Kaja Kiersnowska , Anna Jakubczyk, Begümhan Ömeroğlu, Krzysztof Tutaj, Kamila Rybczyńska-Tkaczyk, Urszula Złotek
16 ³⁰ -16 ⁴⁰	Nutritional recommendations for person with Hashimoto and insulin resistance Marta Kotuła , Joanna Kapusta-Duch, Barbara Borczak, Martyna Sobczyk
16 ⁴⁰ -16 ⁵⁰	Lyse with Class - classification of endolysins through machine learning Sophia Baldysz , Jakub Barylski
16 ⁵⁰ -17 ⁰⁰	Effect of addition of a herbal mixture to the diet for cows on the antioxidant potential value in milk and yoghurts Magdalena Stobiecka , Jolanta Król
17 ⁰⁰ -17 ¹⁰	Coffee break/Poster session* - Technology
	SESSION 4 – ENVIRONMENT Moderators: dr hab. Sławomir Ligęza, Associate Professor, MSc Katarzyna Matyszczuk
17 ¹⁰ -17 ²⁰	Evaluation of selected works in agriculture in aspect of OHS Agata Małeczka , Marek Brennenstul, Jarosław Czarnecki, Weronika Ptak
17 ²⁰ -17 ³⁰	Reuse of nutrients from wastewater for the production of bioplastics with cyanobacteria Estel Rueda Hernández , Joan García
17 ³⁰ -17 ⁴⁰	Numbers of microorganisms in soils with different physico-chemical properties Michał Możejko , Justyna Bohacz
17 ⁴⁰ -17 ⁵⁰	Potential role of endophytic Methylobacterium strains in heavy metal phytoremediation Wojciech Sokółowski , Sylwia Wdowiak-Wróbel, Monika Marek-Kozaczuk, Michał Kalita, Bożena Kowalczyk
17 ⁵⁰ -18 ⁰⁰	Polyhydroxyalkanoates and exopolysaccharides production by cyanobacteria microbiomes: Collection, selection and upscaling of natural microbiomes Beatriz Altamira-Algarra , Eva González-Flo and Joan García
18 ⁰⁰ -18 ¹⁰	Small hydropower plants in the aspect of sustainable hydro energy Michał Dzedzic
18 ¹⁰ -18 ³⁰	Coffee break/Poster session* - Environment
18 ³⁰ -19 ³⁰	CONCERT – BERBERYS BAND
19 ³⁰ -20 ⁰⁰	Announcement of the competition results: dr hab. Barbara Sowińska-Świerkosz, Associate Professor. UP Lublin -president committee Presentation of the awards and certificates: dr hab. Bartosz Sołowiej, Associate Professor – Vice-Rector for Science and International Cooperation of the University of Life Sciences in Lublin and prof. dr hab. Katarzyna Ognik – Director of the Doctoral School Closing ceremony: dr hab. Bartosz Sołowiej, Associate Professor

*Poster will be presented on-line during the coffee breaks. Authors are not obligated to present their posters.

ANNOUNCEMENT II

POSTER SESSION - ANIMAL SCIENCES	
1.	Preliminary confirmation of alternative cellular receptor in neurons for mouse coronavirus (MHV-JHM) Michalina Bartak , Anna Słońska, Marcin W. Bańbura, Joanna Cymerys
2.	Phenoloxidase and lysozyme activities in hemolymph of <i>Apis mellifera</i> workers, rebels and queens Maciej S. Bryś
3.	Effectiveness of production of cows fed with rations supplemented with oregano (<i>Origanum vulgare</i>) Julia Fabjanowska , Renata Klebaniuk, Edyta Kowalczyk-Vasilev, Bożena Kiczorowska, Agata Bielak, Szymon Milewski, Maciej Bąkowski, Magdalena Olcha
4.	Can fermented whey modulate AFB1- and OTA-induced toxicity in vivo? Massimo Frangiamone , Alexander Yemelin, Alessandra Cimbalò, Luis Antelo, Eckhard Thines, Lara Manyes
5.	Isolation and identification of bacteria from the hemolymph of <i>Cornu aspersum</i> snails Aleksandra Garbacz , Jerzy Ziętek
6.	Coagulase - positive <i>Staphylococcus Aureus</i> problem for companion and farm animals Agata Hahaj-Siembida , Aneta Nowakiewicz, Sebastian Gnat, Aleksandra Trościańczyk, Marcelina Osińska, Dominik Łagowski, Przemysław Zięba
7.	The effect of humic substances on salinomycin residues in poultry Simona Hriciková , Ivona Kožárová, Slavomír Marcinčák
8.	The influence of interspecific socialization on sheep behavior - a case study Kamila Janicka , Jacek Sokołowski
9.	The interactions between season, stable conditions and physiological parameters of horses Wiktoria Janicka , Katarzyna Cikacz, Ewelina Tkaczyk, Anna Wiśniewska
10.	Grazing behaviour of Polish Konik horses after introduction to a new environment Wiktoria Janicka , Kamila Janicka
11.	Copper in the diet of rats and neurodegenerative changes in tissues Paweł Jurczak , Monika Cendrowska-Pinkosz, Magdalena Krauze, Jerzy Juśkiewicz, Katarzyna Ognik
12.	Virus evolution on the example of AMDV Marcin Kondracki
13.	Choroidal thickness profile SD-OCT analysis in dogs affected by GPRA Jowita Zwolska , Mateusz Szadkowski, Ireneusz Balicki
14.	Immune response of rats fed a diet containing various sources of dietary fiber and copper nanoparticles Aleksandra Marzec , Radosław Smagiel, Ewelina Cholewińska, Anna Stępniewska, Jerzy Juśkiewicz, Katarzyna Ognik
15.	Effect of garlic (<i>Allium sativum</i> L.) supplementation of feed mixtures on selected rearing parameters in broiler chickens Szymon Milewski , Renata Klebaniuk, Wioletta Samolińska, Julia Fabjanowska, Bożena Kiczorowska, Agata Bielak, Malwina Zając, Anna Danek-Majewska
16.	Natural biostimulants in support of honeybees' immune system Patrycja Skowronek
17.	Effect of the diet containing a coccidiostat or early administration of an antibiotic on the level of selected hormones in turkeys Radosław Smagiel , Ewelina Cholewińska, Anna Stępniewska, Dariusz Mikulski, Katarzyna Ognik, Jan Jankowski
18.	Effect of the addition of copper in different forms and doses to a diet in which cellulose is the fiber source on the immune response of rats Radosław Smagiel , Aleksandra Marzec, Magdalena Krauze, Iwona Sembratowicz, Bartosz Fotschki, Katarzyna Ognik

ANNOUNCEMENT II

19.	Impact of dairy cows oestrus synchronization on in- line biomarkers Mindaugas Televičius , Dovydas Lukošius, Dovilė Malašauskienė, Mingaudas Urbutis, Ramūnas Antanaitis
20.	Cheek pouch prolapse in Djungarian hamsters (<i>Phodopus sungorus</i>) - case report Anna Wilczyńska , Zuzanna Bukowska, Anna Witczyńska, Michał Wójcik, Łukasz Adaszek
21.	Biopolymer-based gentamicin-enriched biomaterial as a wound dressing Michał Wójcik , Anna Witczyńska, Anna Wilczyńska, Agata Przekora
22.	Multifocal hepatic abscesses due to <i>Trueperella pyogenes</i> in lambs Artur Ciszewski , Łukasz Jarosz, Wojciech Łopuszyński, Dorota Pietras-Oźga, Zbigniew Grądzki
POSTER SESSION - PLANT SCIENCES	
23.	Effect of glucose supplementation on the biochemical composition of EPS Wioleta Babiak , Magdalena Czemińska, Marlena Szymańska, Anna Wilkołazka-Jarosz, Izabela Krzemińska
24.	Impact of elicitation on antioxidant value of winter wheat grain Wojciech Biszcak
25.	Alpha glucosidase inhibitory peptides derived from barley (<i>Hordeum vulgare</i> L.) proteins Justyna Bucholska , Anna Iwaniak, Małgorzata Darewicz, Marta Turło
26.	Chitosan as an effective elicitor of health-promoting plant secondary metabolites Maria Stasińska-Jakubas , Barbara Hawrylak-Nowak
27.	Effect of biostimulants on growth and metal accumulation in <i>Miscanthus x giganteus</i> Karolina Jaros , Piotr Sugier, Jolanta Jaroszuk-Ściś, Jaco Vangronsveld, Małgorzata Wójcik
28.	Comparative analysis of three selected transcripts of sugar beet (<i>Beta vulgaris</i> L. subsp. <i>vulgaris</i>) after 7 days of drought and maintained under optimal irrigation Karolina Różaniecka , Michał Nowak, Krzysztof Kowalczyk
29.	A case study on potato yield prediction with remote sensing methods Renata Leszczyńska , Stanisław Samborski, Dariusz Gozdowski
POSTER SESSION - TECHNOLOGY	
30.	Electrical conductivity of sheep's milk and its mixtures Jakub Biegalski , Dorota Cais-Sokolińska
31.	Preparation and characterization of kaolin-carbon-lavender composites Alicja Bosacka , Victoriia Paientko, Olena Oranska, Aleksander Matkovsky, Volodymyr Gunko, Małgorzata Zienkiewicz-Strzałka, Anna Deryło-Marczewska, Agnieszka Chrzanowska
32.	The antioxidant properties of fermented lentil-based beverages Patrycja Cichońska , Małgorzata Ziarno
33.	Biogenic amines in foods excluded from low histamine diets Dorota Gajowniczek-Alasa , Ewa Baranowska-Wójcik, Dominik Sz wajgier
34.	Optimization of protein extraction conditions from canola meal Katarzyna Garbacz , Jacek Wawrzykowski, Michał Czelej, Adam Waśko
35.	Analysis of liquisolid systems' tableting performance by machine-learning algorithms Teodora Gliśi , Jelena Đuriš, Ivana Vasiljević, Ivana Aleksić
36.	Use of plant-based lipase inhibitors in the prevention of obesity Paula Grdeń , Adam S. Grdeń, Anna Jakubczyk
37.	Edible insects as pro-health and pro-environmental functional food Adam S. Grdeń , Robert Waraczewski, Paula Grdeń, Bartosz G. Sołowiej
38.	Supercritical CO ₂ extraction from milk thistle: The effect of pressure and temperature Piotr Kamiński , Stoja Milovanovic, Agnieszka Dębczak, K. Klimkowska, Katarzyna Tyśkiewicz, Marcin Konkol
39.	Changes within gluten network after supplementation with selected phenolic acids Konrad Kłosok , Renata Welc, Monika Szymańska-Chargot Zbigniew Niewiadomski, Agnieszka Nawrocka
40.	Nutritional treatment of an oncology patient during chemotherapy – case study Marta Kotuła , Joanna Kapusta-Duch, Barbara Borczak, Jolanta Bujok
41.	Modified screen-printed sensor for determination of anticancer drug candidate Jędrzej Kozak , Katarzyna Tyszczyk-Rotko, Damian Gorylewski

ANNOUNCEMENT II

42.	Influence of flavonoids on the structure of the gluten network Magdalena Krekora , Agnieszka Nawrocka
43.	Impact of nutrition on learning ability of children and adolescents Dominika Kwaśny , Barbara Borczak, Joanna Kapusta-Duch, Patrycja Brączek
44.	Impact of adding white clover flower on muffins' functional properties Dominika Kwaśny , Barbara Borczak, Joanna Kapusta-Duch, Sylwia Węgrzyn
45.	Selected aspects of extrusion-cooking of enzyme-enriched wheat flour Piotr Lewko , Agnieszka Wójtowicz, Magdalena Szydłowska-Tutaj
46.	Possibilities assessment of use egg substitutes for the production of vegan biscuits Paulina Łysakowska , Anna Wirkijowska
47.	Study on the effect of chitosan adsorption layer thickness on silica surface Marlena Martyna , Juraj Nikolić, Davor Kovačević, Agnieszka Nosal-Wiercińska
48.	Harmful effects of ZnONPs on <i>Bacillus sp.</i> Katarzyna Magdalena Matyszczuk , Anna Krzepiło
49.	Peptide markers of seafood tropomyosins, stable during food processing Marta Turło , Piotr Minkiewicz
50.	Usefulness of selected apple varieties for the production of NFC juices Emilia Osmólska , Agnieszka Starek-Wójcicka, Katarzyna Prokopiuk
51.	Thermodynamic properties of pure furfural and furfuryl alcohol and binary mixture at different pressures and temperatures Zoran Simic , Gorica Ivanis, Ivona Radovic, Mirjana Kijevcanin
52.	Acrylic hydrogels physically cross-linked by montmorillonite Olena Siryk , Katarzyna Szewczuk-Karpisz, Yuriy Samchenko , Olena Goncharuk, Agnieszka Tomczyk, Tetiana Poltoratska
53.	Tomato by-products as innovative additives for meat products Patrycja Skwarek , Małgorzata Karwowska
54.	Management of flaxseed pomace by extrusion-cooking process Jakub Soja , Maciej Combrzyński, Tomasz Oniszczyk, Agnieszka Wójtowicz
55.	Fermented food as source of yeasts with probiotic potential Adam Staniszewski , Monika Kordowska-Wiater
56.	Vegan meringue made of aquafaba and enriched with inulin Joanna Stasiak , Justyna Libera, Dariusz Stasiak
57.	Effect of the addition of dried Lion's Mane, Maitake, Reishi and Enoki mushrooms on the culinary and sensory evaluation of pasta Magdalena Szydłowska-Tutaj , Urszula Złotek, Piotr Lewko
58.	Beetroot pomace as a source of bioactive compounds Julian Szymański , Dominik Szwajgier, Ewa Baranowska-Wójcik
59.	Hydrolysis of egg yolk protein: optimization of reaction time and composition of hydrolysed solution Michał Czelej , Tomasz Czernecki, Katarzyna Garbacz, Jacek Wawrzykowski , Adam Waśko
60.	Assessment of biological activity of <i>Epilobium angustifolium</i> L. (Fireweed) Klaudia Kowalik , Magdalena Polak-Berecka, Monika Prendecka-Wróbel, Dominika Pigoń-Zajac, Iwona Niedzwiedz, Dominik Szwajgier, Ewa Baranowska-Wójcik, Adam Waśko
61.	Diet therapy of obesity and type 2 diabetes, including lactoferrin fortified yoghurts Anna Jańczuk
62.	Technology of obtaining mineral fertilizers with a controlled release rate of ingredients (CRF) by the fluidized bed coating method. Łukasz Rusek
POSTER SESSION – ENVIRONMENTAL	
63.	Activated carbons obtained from herbs as polymers adsorbents Marlena Gęca , Małgorzata Wiśniewska, Piotr Nowicki
64.	Spatial-temporal changes of atmospheric methane content from rice cultivation regions Katarzyna Kozicka , Dariusz Gozdowski, Elżbieta Wójcik-Gront
65.	Biochar amendment improves methane uptake and methanotroph abundance in soil

ANNOUNCEMENT II

	Adam Kubaczyński , Anna Walkiewicz, Anna Pytlak, Jarosław Grządziel, Anna Gałązka, Małgorzata Brzezińska
66.	Wastewater treatment systems with a difficult physicochemical composition in Motor Rest Areas (MRAs) Kinga Marek , Katarzyna Pawęska, Aleksandra Bawiec
67.	Goethite coating with polyanions and polycations – zeta potential study Magdalena Medykowska , Katarzyna Szewczuk-Karpisz, Katarina Jerin, Davor Kovačević, Małgorzata Wiśniewska
68.	The concept of construction a hybrid constructed wetland wastewater treatment plant with a closed water circuit Anna Myka-Raduj , Krzysztof Józwiakowski
69.	The nitrate SCISEs based on cobalt(II) complex with 4,7-diphenyl-1,10-phenanthroline Karolina Pietrzak , Cecylia Wardak
70.	Effect of activity of Castor fiber L. on changes in river hydromorphology Katarzyna Poleć , Antoni Grzywna, Monika Tarkowska-Kukuryk
71.	Simple and sensitive procedure for the determination of cerium ions in environmental waters. Edyta Wlazłowska , Małgorzata Grabarczyk
72.	Typological and spatial structure of strong nature-based solutions (NBS) candidates: Lublin case study Julia Wójcik-Madej , Barbara Sowińska-Świerkosz
73.	Microbiological diversity of dairy wastewater depending on selected physicochemical parameters Beata Zawadzka , Tadeusz Siwiec, Michał Marzec
74.	Concept of the rainwater management system in the Roztocze National Park Tadeusz Grabowski , Krzysztof Józwiakowski

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