

ANNOUNCEMENT II

DOCTORAL SCHOOL OF THE UNIVERSITY OF LIFE SCIENCES IN LUBLIN
TOGETHER WITH THE DOCTORAL STUDENT'S COUNCIL OF THE UNIVERSITY OF LIFE SCIENCES IN LUBLIN



have the pleasure to invite you to the event

3rd International PhD Students' Conference: Environment-Plant-Animal-Product together with the International Workshops at the University of Life Sciences in Lublin, Poland (ICDSUPL)

24-26th April 2024, Lublin-Janów Lubelski, 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
prof. dr hab. Bartosz Sołowiej**

**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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prof. dr hab. Katarzyna Ognik; University of Life Sciences in Lublin, Poland
prof. dr hab. Barbara Kołodziej; University of Life Sciences in Lublin, Poland
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prof. dr hab. Tomasz Mieczan; University of Life Sciences in Lublin, Poland
prof. dr hab. Ireneusz Balicki; University of Life Sciences in Lublin, Poland
prof. dr hab. Magdalena Krauze; University of Life Sciences in Lublin, Poland
prof. dr hab. Tomasz Oniszczuk; University of Life Sciences in Lublin, Poland
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dr hab. Sławomir Ligęza, associate prof.; University of Life Sciences in Lublin, Poland
dr hab. inż. Maciej Combrzyński, associate prof.; University of Life Sciences in Lublin, Poland

prof. dr hab. Jerzy Juśkiewicz; Institute of Animal Reproduction and Food Research of Polish Academy of Sciences of Olsztyn, Poland
dr hab. Bartosz Fotschki, associate prof.; Institute of Animal Reproduction and Food Research of Polish Academy of Sciences of Olsztyn, Poland
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dr hab. Viktor Korzun; Global Lead Scientific Affairs, KWS SAAT SE & Co. KGaA, Germany
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PhD Tibor Janda; Hungarian Academy of Sciences, Hungary

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ORGANIZING COMMITTEE FROM THE UNIVERSITY OF LIFE SCIENCES IN LUBLIN

prof. dr hab. Katarzyna Ognik - Head of the Committee
dr hab. Barbara Sowińska-Świerkosz, associate prof. - Vice-Head of the Committee
PhD Małgorzata Wysocka – Secretary of the Event
dr hab. Anna Stępniewska
prof. dr hab. Tomasz Oniszczyk
PhD Ewelina Cholewińska
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MA Anna Buchlińska-Brzozowska
MSc Joanna Stasiak, PhD student
MSc Agata Hahaj-Siembida, PhD student
DVM Artur Ciszewski, PhD student
MSc Kamila Janicka, PhD student
MSc Karolina Różaniecka, PhD student
MSc Katarzyna Matyszczuk, PhD student
MSc Wiktoria Janicka, PhD student
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DVM Aleksandra Marzec, PhD student
MSc Radosław Smagieł, PhD student
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MSc Julia Fabianowska, PhD student
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MSc Weronika Kursa, PhD student
MSc Karolina Wengerska, PhD student
MSc Konstiantyn Vasiukov, PhD student
MSc Jakub Soja, PhD student

MODERATORS

Environmental Sciences:

prof. dr hab. Tomasz Mieczan
dr hab. Sławomir Ligęza, associate prof.
MSc Michał Arciszewski, PhD student

Plant Sciences:

dr hab. Magdalena Pogorzelec, associate prof.
PhD Magdalena Sozoniuk
MSc Katarzyna Matyszczuk, PhD student

Basic Sciences:

dr hab. Marta Wójcik, associate prof.
PhD Przemysław Sołek
MSc Karolina Wengerska, PhD student

Animal Sciences:

dr hab. Dagmara Stępień-Pyśniak, associate prof.
PhD Edyta Kowalczyk-Vasilev
MSc Wiktoria Janicka, PhD student

Technology:

dr hab. Maciej Combrzyński, associate prof.
PhD Beata Biernacka
MSc Jakub Soja, PhD student

Food quality:

dr hab. Maciej Nastaj
PhD Justyna Libera
MSc Robert Waraczewski, PhD student

Health Sciences:

dr hab. Marta Wójcik, associate prof.
MD Monika Cendrowska-Pinkosz
DVM Aleksandra Marzec, PhD student

Poster session

prof. dr hab. Magdalena Krauze
prof. Paulius Matusevicius
MSc Konstiantyn Vasiukov, PhD student

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MSc Kamila Kaszycka, PhD student
Michał Staniak, student

VENUE

The first day of the event (24th April 2024) – **3rd International PhD Students' Conference: Environment-Plant-Animal-Product (ICDSUPL)** – 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 and Conferences Halls of the University of Life Sciences in Lublin, Akademicka 15 street, Lublin.

The second and the third day of the event (25-26th April 2024) – **International Workshops supported by the STER NAWA project "Actions towards the internationalization of the Doctoral School of the University of Life Sciences in Lublin (I-SDUPL)"** – will be held in Janów Lubelski only in stationary format.



TARGET GROUPS

We invite PhD students of doctoral schools, PhD students of universities, research and scientific institutes as well as graduates of studies and young researchers to participate in the event.

WEB SITE

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



FRAMEWORK PROGRAMME

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First day of the event; 24th April 2024, Wednesday 3rd International PhD Students' Conference: Environment-Plant-Animal-Product (ICDSUPL); hybrid format	
8⁰⁰-9⁰⁰	Registration of participants (Congress Hall of the University of Life Sciences in Lublin)
9⁰⁰-9²⁰	PANEL I Opening ceremony; Congress Hall of the University of Life Sciences in Lublin; <i>hybrid format</i> Appearances: prof. dr hab. Krzysztof Kowalczyk – JM Rector of the University of Life Sciences in Lublin prof. dr hab. Bartosz Sołowiej – Vice-Rector for Science and International Cooperation of the University of Life Sciences in Lublin Representative of the Lublin Voivode, Deputy Director of the Department of Environment and Agriculture of LUW in Lublin, Mr. Mariusz Wołoskiuk MSc Michał Klimczyk – Chairman of the Polish Association of Doctoral Candidates (KRD)
9²⁰-9³⁰	Presentation of the Doctoral School of the University of Life Sciences in Lublin and the STER NAWA project “Actions towards the internationalization of the Doctoral School of the University of Life Sciences in Lublin (I-SDUPL)” – film presentation Inaugural lectures:
9³⁰-9⁴⁵	dr hab. Igor Tomašević , associate prof., Department for Animal Origin Food Science and Technology, University of Belgrade; "Artificial intelligence in food science"
9⁴⁵-10⁰⁰	dr hab. Viktor Korzun , KWS SAAT SE & Co. KGaA, Germany; “Strengthening innovation in plant science and plant breeding”
10⁰⁰-10²⁰	Awarding pro-quality scholarships for outstanding PhD students of the Doctoral School of the University of Life Sciences in Lublin
10²⁰-11²⁰	Concert: Krystyna and Wojtek Cugowscy, Bartek Jończyk
11²⁰-11⁴⁰	Coffee break/ Interdisciplinary poster session / Presentation of Partners (Lobby of the Congress Hall of the University of Life Sciences in Lublin; <i>stationary format</i>)
11⁴⁰-13⁴⁰	PANEL II Food Quality Session open lecture & networking event (Congress Hall of the University of Life Sciences in Lublin; <i>hybrid format</i>) Moderators: dr hab. Maciej Nastaj; PhD Justyna Libera; MSc Robert Waraczewski, PhD student

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11⁴⁰-12⁰⁰	Bartosz Sołowiej: Visegrad Fund for the industry 4.0 in the regional agriculture		
12⁰⁰-12²⁰	Andrea Roztočilová: How do 3D printing and edible insects go together?		
12²⁰-12⁴⁰	Jana Stefanikova: Color profiles detected by electronic eye IRIS device		
12⁴⁰-13⁰⁰	Zoltan Kovacs: Non-destructive analytical techniques for food quality determination		
13⁰⁰-13²⁰	Igor Tomašević: Computer vision system for food quality evaluation		
13²⁰-13⁴⁰	Discussion		
11⁴⁰-13⁴⁰	PANEL IIA		
	<p><u>Animal Sciences Session</u> Conference Room No. 14 of the University of Life Sciences in Lublin; <i>hybrid format</i> Moderators: dr hab. Dagmara Stępień-Pyśniak, associate prof. PhD Edyta Kowalczyk-Vasilev MSc Wiktoria Janicka, PhD student</p>	<p><u>Environment Session</u> Conference Room No. 15 of the University of Life Sciences in Lublin; <i>hybrid format</i> Moderators: prof. dr hab. Tomasz Mieczan dr hab. Sławomir Ligęza, associate prof. MSc Michał Arciszewski, PhD student</p>	<p><u>Health Sciences Session</u> Library of the University of Life Sciences in Lublin room No. 418; <i>hybrid format</i> Moderators: dr hab. Marta Wójcik, associate prof. MD Monika Cendrowska-Pinkosz DVM Aleksandra Marzec, PhD student</p>
11⁴⁰-11⁵⁰	Maciej Bryś: Immunity components of honey bees present in scientific research	Wiktor Bojarski: Composting as one of the waste management technologies in developed countries	Patrycja Gazda: Metabolic syndrome - contemporary therapeutic challenges
11⁵⁰-12⁰⁰	Cihan Çalikoğlu: Advancing Rural Sustainability: Assessing The Impact of EU IPARD Program on Animal Science in Turkey	Anna Borkowska: Possibilities of using selected types of waste biomass from hazelnut production for energy purposes	Zuzanna Guzowicz: Retinitis pigmentosa - Next Generation Sequencing as a diagnostic tool in rare diseases
12⁰⁰-12¹⁰	Kamila Kaszycka: You can't teach the old dog new tricks" – or can you?	Aleksandra Garbacz: Analysis of the phenotypic diversity of the Enterobacterales microflora of the digestive system as a physiological biomarker of land snails of the genus <i>Cepaea</i> from Polesie	Anna Lipian-Głós: The assessment of the level of selected vitamins in dairy products, whey protein concentrates and protein isolates
12¹⁰-12²⁰	Małgorzata Zalewska: Preliminary results of archeozoological analysis of animal remains	Natalia Niedzbała: Influence of soil additives in contaminated soil on plant growth	Emilia Sobala: Preparation of potentiometric sensors for drug analysis containing

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	from the modern castle in Żelechów		chlorhexidine digluconate (on-line)
			<p><u>Basic Sciences Session</u></p> <p>Moderators: dr hab. Marta Wójcik, associate prof. PhD Przemysław Sołek Msc Karolina Wengerska, PhD student</p>
12 ²⁰ -12 ³⁰	Anastasiya Ramankevich: Examination of the reactions of greenleg partridge roosters using the mirror test	Klaudia Nowak: Recycling and circular economy in the area of packaging - environmental awareness of consumers (on-line)	Michalina Pinkosz: The influence of diet with the addition of copper nanoparticles enriched with different sources of dietary fiber on neurometabolism in the rat brain and jejunum
12 ³⁰ -12 ⁴⁰	Egle Lebednikaite: Histomorphometry of broilers' pectoralis major muscle affected by myopathies	Mateusz Nowak: New technology for recover water from digestate from agricultural biogas plant	Aleksandra Brankiewicz: ΔM4 anticancer peptide induces drug resistance in A549 cells by Nrf2 and anti-oxidative enzymes induction (on-line)
12 ⁴⁰ -12 ⁵⁰	Aleksandra Marzec: Is the effect of copper nanoparticles on the blood morphology of rats dependent on the diverse physiological functions of dietary fiber?	Messias de Carvalho: Potential of brownfield soils for organic matter accumulation and stabilisation	Alicja Wysocka: Novel oxidized 2-pyridone analogs, properties and prospects (on –line)
			<p><u>Technology Session</u></p> <p>Moderators: dr hab. Maciej Combrzyński, associate prof. PhD Beata Biernacka MSc Jakub Soja, PhD student</p>
12 ⁵⁰ -13 ⁰⁰	Karolina Zygmunt: Paracrine effect of fibroblasts on the course of myogenesis of bovine muscle satellite cells in-vitro	Juliusz Mroziński: Element of the Environment as the Subject of Law: Constitutional Aspects	Piotr Kamiński: The Influence of Water Extraction Parameters in Subcritical Conditions and the Shape of the Reactor on the Quality of Extracts Obtained from Norway Maple (<i>Acer platanoides</i> L.)
13 ⁰⁰ -13 ¹⁰	Giulia Cagnoli: Antibiotic-resistant <i>Staphylococcus</i> spp. in fallow deer (<i>Dama dama</i>) from Central Italy (on-line)	Artai Lage: PHB production optimization (on-line)	Klaudia Morawska: Composite materials as novel methods for modifying solid contact ion-selective electrodes

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13¹⁰-13²⁰	Klaudia Bulanda: Proteomic and molecular detection of antibiotic resistant bacteria from wounds of companion animals (on-line)	Adam Nawrocki: Roadside plants as a tool for removing pollutants from road transport (on-line)	Barbara Wawrzaszek: Modified biochar as an effective adsorbent of organic dyes
13²⁰-13³⁰	Marcin Kondracki: Summary of therapeutic substances affecting AMDV-infected American mink (on-line)	Masoomeh Shemshad Shamsabad: Socio-ecological management in the forest ecosystem in the common land border of Upper Silesian Coal Basin (on-line)	Agne Vasiliauskaitė: Optical attributes of films derived from dairy by-products: influence of lactic acid bacteria
13³⁰-13⁴⁰	Discussion	Discussion	Discussion
13⁴⁰-14⁴⁰	Lunch break/ Interdisciplinary poster session / Presentation of Partners (Lobby of the Congress Hall of the University of Life Sciences in Lublin; <i>stationary</i> format)		
14⁴⁰-16⁰⁰	PANEL III		
14⁴⁰-14⁵⁰	<p><u>Food Quality Session</u> Congress Hall of the University of Life Sciences in Lublin; <i>hybrid format</i></p> <p>Moderators : dr hab. Maciej Nastaj PhD Justyna Libera MSc Robert Waraczewski, PhD student</p>	<p><u>Environment Session</u> Conference Room No. 15 of the University of Life Sciences in Lublin; <i>hybrid format</i></p> <p>Moderators: prof. dr hab. Tomasz Mieczan dr hab. Sławomir Ligęza, associate prof. MSc Michał Arciszewski, PhD student</p>	
14⁴⁰-14⁵⁰	Magdalena Borecka: Comparison of the functional properties of seeds protein isolates of selected cucurbit plants	George Yandem: Speciation of emerging pollutants: In, Ga, Sb, Co, V, and Tl using a geochemical modeling approach (on-line)	
14⁵⁰-15⁰⁰	Patrycja Skwarek: Tomato pomace as natural antioxidants inhibiting oxidation processes in raw fermented sausages	Lin Sun: In producing PHB, by using PCR technology to know gene expression of different microbiomes in the reactor and help shortening the accumulation phase (on-line)	
15⁰⁰-15³⁰		<p><u>Plant Sciences;</u> Conference Room No. 14 of the University of Life Sciences in Lublin ; <i>hybrid format</i></p> <p>Moderators: dr hab. Magdalena Pogorzelec, associate prof. PhD Magdalena Sozoniuk MSc Katarzyna Matyszczuk, PhD student</p>	

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15⁰⁰-15¹⁰	Robert Waraczewski: Storage time comparison of sterilized, canned lamb with fat replacement for non-standard starches	Rendy Anggriawan: Exploring the Allelopathic Landscape: Integrating Soil Properties and Plant Interactions (on-line)
15¹⁰-15²⁰	Maciej Bartoń: The functional properties of different types of wheys in the food industry, with an emphasis on the dairy and meat industries	Weronika Kursa: Biochemical characteristics of hemp (<i>Cannabis sativa</i> L. var. <i>sativa</i>) in the perspective of their phytochemical use
15²⁰-15³⁰	Mátyás Lukacs: Comparison of multiple NIR instruments and machine learning algorithms for the detection of nitrogen-based adulteration in protein powders	Maria Stasińska-Jakubas: Foliar application of elicitors as an approach to improve secondary metabolism in <i>Hypericum perforatum</i> L
15³⁰-15⁴⁰	Radosław Bogusz: Nutritional value of yellow mealworms (< <i>Tenebrio molitor</i> > L.) dried with convective and freeze-drying Methods (on-line)	Adrianna Nowak: Functioning of the successive cambia in selected representatives of the family Aizoaceae (on-line)
15⁴⁰-15⁵⁰	Discussion	Sylwia Sajkowska: Bioaccessibility study of essential trace elements from basil (<i>Ocimum basilicum</i> L.) (on-line)
15⁵⁰-16⁰⁰		Discussion
16⁰⁰-16²⁰	Coffee break/ Interdisciplinary poster session / Presentation of Partners (Lobby of the Congress Hall of the University of Life Sciences in Lublin; <i>stationary format</i>)	
16²⁰-16⁵⁰	PANEL IV; Closing ceremony; Congress Hall of the University of Life Sciences in Lublin; <i>hybrid format</i> Presentation of the awards and certificates for the best presentation in each session and the best poster – awarded by moderators Awarding diplomas to the outstanding PhD students of the Doctoral School of the University of Life Sciences in Lublin, awarded by: prof. dr hab. Bartosz Sołowiej – Vice-Rector for Science and International Cooperation prof. dr hab. Katarzyna Ognik – Director of the Doctoral School Summary of the first day of the Event: MSc Konstantyn Vasiukov – Chairman of the PhD Students’ Self-Government	
17⁰⁰-18³⁰	Bus transfer from Lublin to Janów Lubelski	
18³⁰-20⁰⁰	Participants’ accommodation (Hotel DUO SPA in Janów Lubelski)	

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20 ⁰⁰	Gala dinner
Second day of the event; 25th April 2024, Thursday	
The International Workshops supported by the STER NAWA project “Actions towards the internationalization of the Doctoral School of the University of Life Sciences in Lublin (I-SDUPL)”; Janów Lubelski Hotel DUO SPA, <i>stationary format</i>	
9 ⁰⁰ -12 ⁰⁰	Workshop No. 1: Contemporary and Diachronic Issues in Adult Education: Critical Reflection in Practice, Personal Transformation, and the Journey to Professionalism; Prelegents: dr hab. Balázs Németh, associate professor; Adult and Lifelong Learning at the University of Pécs; Hungary; Professor Dina Soeiro, Education School in the Polytechnic University of Coimbra, Portugal; George A. Koulaouzides, associate professor; Hellenic Open University, Greece (on-line format)
12 ⁰⁰ -13 ⁰⁰	Lunch
13 ⁰⁰ -16 ⁰⁰	Workshop No. 2: How to teach effectively using games?; Prelegent: Marcin Mitzner, program director of GD Events, NGO Trainers’ Association sTOP, Poland (stationary format)
16 ⁰⁰ -19 ⁰⁰	Workshop No. 3: Does the place I come from matter? Education in a multicultural community; Prelegent: Katarzyna Radzikowska, trainer of the NGO Trainers’ Association sTOP, Poland (stationary format)
19 ⁰⁰	Barbecue dinner
Third day of the event; 26th April 2024, Friday	
The International Workshops supported by the STER NAWA project “Actions towards the internationalization of the Doctoral School of the University of Life Sciences in Lublin (I-SDUPL)”; Janów Lubelski Hotel DUO SPA, <i>stationary format</i>	
9 ⁰⁰ -12 ⁰⁰	Workshop No. 4: ‘Smart’ research beyond artificial intelligence: from research question brainstorming to stakeholder identification; Prelegent: PhD Tom Hashimoto, associate professor of International and Regional Economics, Vilnius University; Executive coach from We Coach One, London (stationary format)
12 ⁰⁰ -13 ⁰⁰	Lunch
13 ⁰⁰ -15 ⁰⁰	Workshop in the ZOOM Nature Park in Janów Lubelski organized in cooperation with the Mayor of Janów Lubelski
15 ³⁰ -17 ⁰⁰	Bus transfer from Janów Lubelski to Lublin

Poster session – Animal Sciences

1. Amann M. et al. Preference of tactile contacts in pigs: Pigs prefer scratching over stroking

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2.	Ciszewski A. et al. Mannheimia haemolytica – a recurrent problem in lamb breeding – case report
3.	Fabjanowska J. et al. Changes in proliferative monocyte subpopulation in calves' blood affected by herbs and their blends – ex vivo study
4.	Figura A. et al. Unraveling Mysteries: The Role of Animal DNA in Forensic Investigations
5.	Głodkowska K. et al. Probiotics as non-specific immunoprophylaxis in cows
6.	Grychnik P. et al. Comparison of column-based and organic GTPC methods of RNA isolation from pig liver
7.	Hahaj-Siembida A. Et al. Small ruminants as a reservoir of resistant and virulent Staphylococcus aureus
8.	Janicka W. et al. Social dimension of equine temperament and its impact on fearfulness
9.	Janicka K. et al. Does the personality of laying hens determine performance traits?
10.	Juśkiewicz M. et al. Effect of anxiety in dogs on the incidence of grade V lameness after healed knee injuries treated with surgery (design of experiment)
11.	Marzec A. et al. Are the biodistribution and metabolic effects of copper nanoparticles dependent on differences in the physiological functions of dietary fibre?
12.	Marzec A. et al. The dietary fibre with functional properties counteracted the thwarting effects of copper nanoparticles on the microbial enzymatic activity and SCFA production in the faeces of rats
13.	Milewski S. et al. Garlic and Thyme in Broiler Chicken Nutrition
14.	Moczulska M. et al. Potential of application of Clitoria ternatea L. in the prevention of kidney and liver diseases in animals
15.	Pisarek M. The use of rapid diagnostic immunochromatographic tests and PCR method in the detection of the presence of vaccine viruses (CPV) in feces in vaccinated dogs
16.	Smagiel R. et al. Effect of feeding diet containing coccidiostat and administration of antibiotics to turkeys in the first days after hatching on the level of selected minerals in the yolk sac and blood serum
17.	Pietras-Baczewska A. et al. From genome to AI algorithm: novel perspectives in retinitis pigmentosa diagnosis and therapy
18.	Szatan Z. et al. The effect of changing eating habits combined with supplementation with various forms of chromium on bone parameters in obese rats
19.	Wengerska K. et al. Analysis of the effect of stocking density on hatching efficiency of Greenleg Partridge hens

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20.	Woś K. et al. Effect of fermented rapeseed meal on blood and femur mineral content in piglets
21.	Zeliszewska-Duk P. et al. The use of electronic pressure sensors to control the correctness of the rider's seat
22.	Kaja Ziółkowska K. et al. Mutations and polymorphisms in COX1 gene and D-loop region in dogs with solid mammary carcinoma
23.	Michalska W. Transport of wild animals to zoological gardens. Geographical perspective
Poster session – Basic Sciences	
24.	Waluda Ł. Et al. Production and optical properties of indigoidine
25.	Woś A. et al. Catalytic effect of levodopa on the electroreduction of Zn ²⁺ ions
Poster session – Environment	
26.	Atarshchikova A. et al. Bioindication of heavy metals in the soils-plants-bees-beekeeping products system in biocenoses of the combat areas
27.	Błaszczak W. et al. Occurrence and dissipation mechanism of organic contaminants during sewage sludge anaerobic digestion: A critical review
28.	Feculak M. et al. Sulfidation as a Strategy to Reduce ZnO Nanoparticle Toxicity in Environmental Systems: Insights from Ecotoxicological Assessments
29.	Fialek M. et al. Voltammetric determination of tungsten in environmental waters rich in organics matrix
30.	Fila D. et al. Green solutions for critical raw materials: Alginate-based composites in rare earth element recovery
31.	Joźwiakowska K. et al. Constructed wetland wastewater treatment plant operation across the seasons
32.	Kaya M. et al. Spatial and temporal characteristics of urban Nature- based solutions located in different climate zones
33.	Myka-Raduj A. Et al. Effects of operation of a hybrid constructed wetland wastewater treatment plant in the Polesie National Park (Poland) during the start-up period
34.	Szponder M. et al. Determination of purine adsorption parameters in acetate buffer
35.	Walczak-Górka A. et al. The potential of greenery in mitigating road infrastructure discomfort
36.	Wilk J. et al. Lublin Sound Science – a Citizen Science project
37.	Wlazłowska E. et al. Environmental monitoring of V(V) ion concentration by adsorptive stripping voltammetry using a solid bismuth microelectrode

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38.	Wojcik-Madej J. et al. A multi-criteria evaluation method 17ptimizing NBS responding to urban challenges
39.	Zawadzka B. et al. Kinetics of phosphorus sorption on RockfosR materials with different granulations
40.	Szwed M. Techniques and methods of digestate application
41.	Grabowski T. Green and blue technologies in the Roztocze National Park
42.	Tkachenko et al. Prospects of using biochar as an additive to compost
Poster session – Food Quality	
43.	Aleksandrovas E. et al. Effect of different treatment methods on properties of edible films from acid whey permeate and concentrate
44.	Chobot M. et al. Preliminary comparative study of drying methods for white radish
45.	Dereń K. et al. Content of selected micro and macro elements in microgreens of rare oilseed plants
46.	Jankauskienė A. et al. Nutritional Profile of Mealworm (<i>Tenebrio molitor</i>) reared in different conditions
47.	Jankauskienė A. et al. Sensory Profiling of <i>Tenebrio molitor</i> reared in different conditions
48.	Klimowicz P. et al. Comparison of the Efficiency of Poultry Meat Protein Separation: Capillary Electrophoresis vs. SDS-PAGE
49.	Kotuła M. et al. Effect of antioxidant biocomposites films on frozen stored raspberries
50.	Krajewska A. et al. Color coordinates of dried apple pomace and apple pomace cookies
51.	Lewko P. et al. Selected texture properties of bakery products enriched with modified wheat flour
52.	Michalska A. et al. Composition and anticancer activity of selected edible mushrooms naturally occurring in Poland
53.	Sadurski J. et al. Bioinformatics in metagenomic food research
54.	Stasiak J. et al. The influence of the aquafaba preparation method on some physical properties
55.	Rolewicz A. Benefit of red grapes that make you healthy
56.	Szołtysik et al. The influence of proteins and milk fat functional hydrolysates on the flavour and aroma profile of processed cheeses
57.	Szołtysik et al. The application of <i>Y. lipolytica</i> yeast lipases for the hydrolysis of milk fat for production of flavour and aroma preparations useful in cheesemaking

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58.	Hendrychová B. et al. Qualitative parameters of mealworm larvae (<i>Tenebrio molitor</i>) at different processing conditions
59.	Kolář M. et al. Bio) polymeric particles for agents' encapsulation to achieve active systems for various applications
60.	Mesárošová A. et al. Sea buckthorn co-products as a potential natural antioxidant in raw-cooked meat product
61.	Poláková K. et al. Determination of fat and fatty acids profile in Coffee pulp <i>Coffea arabica</i>
62.	Žbik K. et al. Innovative functional animal fats with increased nutritional and technological value (on-line)
Poster session – Health Sciences	
63.	Białowąs W. et al. The role of iron in the course of neurodegenerative disorders
64.	Bilokinna A. et al. Occurrence of <i>Staphylococcus aureus</i> in playgrounds in Lublin
65.	Gajowniczek-Ałasa D. et al. Exploring the Therapeutic Potential of Honey: A Comprehensive Study on Cholinesterase Inhibition for Alzheimer's Disease Prevention
66.	Kawecka p. et al. Pediatric feeding disorders
67.	Kiszowara P. et al. Can statins, commonly used to lower cholesterol, affect the musculoskeletal system?
68.	Kwaśny D. et al. The influence of different polyphenols on potato starch digestibility and the estimated glycaemic index
69.	Lipian-Głós A. et al. Optimization of procedures for preparing milk samples and whey protein powders for vitamin determination using the ELISA method
70.	Lipian-Głós A. et al. Optimization of cheese preparation procedures for vitamin determination using the ELISA method
71.	Łysakowska P. et al. The therapeutic dietary strategy in geriatric obesity with comorbidity
72.	Niziołek A. et al. Presence of multidrug-resistant <i>Escherichia coli</i> strains in playgrounds in Lublin
73.	Osowska P. et al. Optimization of procedures for preparing buttermilk and protein milk shake samples for vitamin determination using the ELISA method
74.	Słyszcz K. et al. Lion's Mane (<i>Hericium erinaceus</i> (Bull.) Pers.) mushroom as source of bioactive compounds in foods
75.	Staniec K. et al. The Voltametric procedures for determination of acyclovir
76.	GrdeńP. et al. Caffeine and a pregnant woman's diet

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77.	Drzewiecka B. Antimicrobial peptides: clinical applications and therapeutic potential
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78.	Arciszewski M. et al. Acclimatisation of <i>Salix myrtilloides</i> L.: Key physiological indicators on the path to successful reintroduction
79.	Bernat E. et al. The impact of nitrogen fertilization on the quality parameters of spelt wheat grain
80.	Bogusz P. et al. The impact of suspension fertilizers based on waste phosphates from polyol production on corn yield
81.	Brzostowska A. et al. Mechanisms preventing the loss of meristematic potential in the horse-chestnut periderm
82.	Buczyński K. et al. The evaluation of energy from raspberry shoots used as biomass depending on the variety
83.	Figiel S. et al. Benefits of using microbiological fertilizer products in modern agriculture
84.	Jakobina M. et al. <i>Mentha</i> sp. abundant in cis-piperitone oxide
85.	Maciorowska J. et al. A History of How Plants Survive the Darkness: Plant Stress Memory in Barley
86.	Rożaniecka K. et al. Allelic variation analysis of the <i>BvBTC1</i> gene regulating flowering in sugar beet (<i>Beta vulgaris</i> L. subsp. <i>vulgaris</i>) plants
87.	Rusek Ł. et al. Effectiveness of Surrounding Fertilizers in Corn Crops from a Sustainable Fertilization Perspective
88.	Rząd K. et al. Effectiveness of selected compounds as stimulators of resistance of cereal plants to infection with fungal pathogens
89.	Skazińska S. Inducing immunity in plants using beneficial microorganisms – a review
90.	Sobiech A. et al. Effect of melAA on development processes and auxin response in seedlings of <i>Arabidopsis thaliana</i>
91.	Sokal K. et al. The application of a Pulsed Electric Field on oil seeds
92.	Wnuczek R. The Influence of Market Conditions on the Profitability of Winter Wheat Production
93.	Zimnoch U. et al. Corn yielding after application of fertilizers based on ash from biomass combustion
94.	Matyszczuk K. The effect of zinc oxide nanoparticles on the growth of cucumber <i>Cucumis sativus</i>
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95.	Czajka B. Stability of Thin-Walled Composite Structures – FEM Mesh Density Comparison
96.	Snarski-Adamski A. et al. The Influence of Temperature on Tribological Properties of Materials Intended for Temporary Dental Crowns

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	Manufactured Using 3D DLP Printing Technology
97.	Soja J. et al. Effect of Apple Pomace Addition on the Antioxidant Potential of Extruded Snacks
98.	Tama A. et al. Antioxidant properties of candies stuffed with apple pulp
99.	Walczak W. et al. Preliminary results of phosphorus sorption studies of selected minerals for a modular filtration chamber
100.	Vasiukov K. et al. Use of barley malt for enzymatic hydrolysis of starches from various grains
101.	Czelej et al. Whey as a Superfood: Generating Bioactive Peptides from Whey Protein

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