

DETAILED PROGRAMME

First day of the Conference: April 19, 2023

8⁰⁰-9⁰⁰	Registration of participants (Congress Hall of the University of Life Sciences in Lublin, Akademicka 15 street, Lublin)		
9⁰⁰-9³⁰	Opening ceremony (Congress Hall of the University of Life Sciences in Lublin; <i>hybrid format</i>)		
9³⁰-9⁴⁵	PANEL I (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 dr hab. Bartosz Sołowiej, associate prof. - Vice-Rector for Science and International Cooperation of the University of Life Sciences in Lublin Mariusz Sagan – Representative of the Lublin City Hall from the Lublin President's Department MSc. Michał Klimczyk – Chairman of the Polish Association of Doctoral Candidates (KRD)		
	Inaugural lectures:		
9⁴⁵-10⁰⁰	prof. Todor Vasiljevic , College of Health and Biomedicine Victoria University, Melbourne, Australia "Structure, function and relationship of Proteins – Current Research Direction"		
10⁰⁰-10¹⁵	dr hab. Viktor Korzun , Global Lead Scientific Affairs, KWS SAAT SE & Co. KGaA, Germany "Public-Private-Partnership in plant research and plant breeding"		
10¹⁵-10³⁰	dr Laura Wendling , VTT Technical Research Centre of Finland LTD, Finland „The role of nature-based solutions within Europe’s green transition”		
10³⁰-11¹⁰	Concert “Klasyczni w Rocku”		
11¹⁰-11³⁰	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>)		
11³⁰-13⁴⁰	PANEL II (<i>hybrid format</i>)		
	Technology session <i>Congress Hall of the University of Life Sciences in Lublin</i>	Animal Sciences session <i>Conference Room of the University of Life Sciences in Lublin</i>	Environment session <i>Library 418 room</i>
	Moderators: prof. dr hab. Tomasz Oniszczyk, dr hab. inż. Dariusz Czerwiński, associate prof.	Moderators: dr Edyta Kowalczyk-Vasilev, dr Ewelina Cholewińska	Moderators: prof. dr hab. Krzysztof Józwiakowski, dr hab. Sławomir Ligęza, associate prof.

	dr Maciej Combrzyński		
11³⁰-11⁴⁰	Droździel-Jurkiewicz Magda et al. Metal surface modification for enhance adhesion in fibre metal laminates	Kondracki Marcin et al. Efficacy of antiviral substances in mink with AMD virus	Altamira-Algarra Beatriz et al. Exploring the potential of cyanobacterial microbiomes for sustainable bioproducts
11⁴⁰-11⁵⁰	Kliza Rafał et al. Aerodynamic research of a prototype aerospace propulsion system using air ion mechanics	Dereń Karolina et al. Nutritional awareness of people on a vegan diet	Álvarez Ana et al. Contaminant's assessment of wastewater grown microalgae used as biofertilizer
11⁵⁰-12⁰⁰	Koczan Paweł How to fix most common problems in FDM 3D printing	Cagnoli Giulia et al. Pathotypes and Antimicrobial resistance of Escherichia coli from wild avifauna	Arciszewski Michał et al. Translocation – a tool for active conservation of endangered species
12⁰⁰-12¹⁰	Gęca Jakub Lift cabin door drive failure detection using random forest algorithm	Bryś Maciej et al. Changes in the concentrations of proteins, glucoses and triglycerides in fat bodies of honeybees fed rapeseed and phacelia pollens	Vambol Viola et al. Dynamics of RES development and support mechanisms in Poland
12¹⁰-12²⁰	Nowak Mateusz et al. Management and valorization of digestate from selected Poland biogas plants	Grigaleviciute Ramune et al. Bovine colostrum is enriched in innate immune responses regulating proteins and exerts mucosal immunomodulatory activity in calf FMT-transplanted mice	Białoszewska Monika et al. Modified zeolite materials NaX and NaA as adsorbents for sulfamethoxazole
12²⁰-12³⁰	Podolak Piotr et al. Constructional and technological aspects of bone replacements made of composites	Kowal Krzysztof et al. Molecular differences in the mitochondrial DNA in dogs with multiple malignant tumours	Bojarski Wiktor et al. Management methods of logging residues from forest management
12³⁰-12⁴⁰	Vasiukov Kostiantyn et al. Using of microwave treatment on Triticale malt – preliminary experiments	Malinowska Bogna et al. Reactions of lesser white-toothed shrews (<i>Crocidura suaveolens</i>) to the risk from terrestrial and aerial predators.	Çalikoğlu Cihan Circular Economy for Sustainable Development: An Environmental Perspective
12⁴⁰-12⁵⁰	Świetlicki Aleksander et al. Additive manufacturing of 17-4PH stainless steel	Marzec Aleksandra et al. The effect of copper nanoparticles and a different source of dietary fiber in the diet on the expression of genes involved in	Dubovik Maria et al. Nature-based solutions for local and regional adaptation in the context of European agenda

		maintaining the integrity of the small intestine in the rat	
12⁵⁰-13⁰⁰	Trendak Michał et al. Test stand for aircraft engine parameters in real operational conditions	Osiak-Wicha Cezary et al. The resistance and development changes in the limb bones of Zatorska geese during first fourteen weeks of life	Frankiewicz Mateusz Potential reasons of high CO2 uptake in old-growth pine forest
13⁰⁰-13¹⁰	Tymińska-Wójcik Patrycja Intelligent Cheneau brace as an alternative to static orthosis – a case study	Wengerska Karolina et al. Impact of eggshell defects on the egg quality during extended storage	Garbacz Aleksandra et al. Analysis of the phenotypic diversity of Enterobacterales microflora digestive system as a physiological biomarker of Lumbricus sp. earthworms from the wetland ecosystems of Polesie
13¹⁰-13²⁰	Wawrzyk Martyna The TFBG spectrum demodulation by spectral length method	Wiechetek Wiktoria et al. Effect of dietary protein on liver homeostasis of Eurasian perch	Kanabus Radosław Probability of completion of the regeneration process in shelterwood management system in polish forests
13²⁰-13³⁰	Zabłotni Robert et al. Human middle ear - fem and lumped parameter models comparison	Zygmunt Karolina et al. Influence of glucose content on the proliferation of satellite cells	Kuśmierz Sebastian et al. Soil moisture impact on manuring induced soil respiration and organic matter decomposition
13³⁰-13⁴⁰	Discussion	Discussion	Discussion
13⁴⁰-14³⁰	Lunch break/ Interdisciplinary poster session / Presentation of Partners (Lobby of the Congress Hall of the University of Life Sciences in Lublin; <i>stationary format</i>)		
14³⁰-16⁰⁰	PANEL III (hybrid format)		
	Food Technology session <i>Congress Hall of the University of Life Sciences in Lublin</i>	Basic Sciences and Health session <i>Conference Room of the University of Life Sciences in Lublin</i>	Environment session <i>Library 418 room</i>
	Moderators: dr Justyna Libera, dr Maciej Nastaj	Moderators: dr Przemysław Sołek, dr Monika Cendrowska-Pinkosz	Moderators: prof. dr hab. Krzysztof Józwiakowski, dr hab. Sławomir Ligęza, associate prof.
14³⁰-14⁴⁰	Aleksandrovas Elvidas et al. Quality retainment of fresh cheese by applying edible coating with entrapped <i>L. helveticus</i>	Vasiukov Kostiantyn et al. Milk production and cattle breeding in Ukraine - wartime challenges	Marchelina Nadella et al. The Mechanical Properties Analysis of Sandy Soil Treated by Biostimulation Method

14 ⁴⁰ -14 ⁵⁰	Waraczewski Robert et al. Organic drinks from whey and fruit juices. Production methods comparison	Pinkosz Michalina et al. Comparison of the significance of dietary copper nanoparticles and copper carbonate on limiting neurodegenerative changes in the brain and gut of rats	Mesinger Dominika et al. Attitudes of Polish consumers toward game meat
14 ⁵⁰ -15 ⁰⁰	Kwaśny Dominika et al. The influence of different polyphenols on the wheat starch digestibility	Kotuła Marta et al. Assessment of diet and knowledge of pregnant women about nutritional programming	Możejko Michał et al. Optimization of enzymatic activity of Trichophyton ajelloi strains from arable soils
		Plant Sciences session <i>Conference Room of the University of Life Sciences in Lublin</i> Moderators: dr hab. Magdalena Pogorzelec, associate prof., dr Przemysław Sołek	
15 ⁰⁰ -15 ¹⁰	Skwarek Patrycja et al. Influence of tomato pomace on selected quality characteristics of raw fermented sausages	Cieplak Magdalena et al. Microscopy based evaluation of oat resistance to powdery mildew	Nawrocki Adam et al. Where trees cannot grow - herbaceous plants as filters in air purification from PM
15 ¹⁰ -15 ²⁰	Staniszewski Michał Automatic plant cultivation managing system - increasing food security and a source of organic food	Grzelak Monika et al. Comparison of the effects of biostimulant and several growth regulators on biochemical changes during ex vitro acclimatization of microcuttings in Echinacea purpurea Moench. 'Raspberry Truffle'	Sęk Oliwia Influence of the toxic endophytic fungi on the fitness of herbivorous rodents - the project
15 ²⁰ -15 ³⁰	Vasiliauskaite Agne et al. Fermentates and coatings with L. paracasei for control of fresh cheese spoilage	Kursa Weronika et al. Evaluation of ecotoxicity of plant extracts as seed dressings	Vambol Viola et al. Waste structure studying from Ukraine as a potential energy resource
15 ³⁰ -15 ⁴⁰	Waraczewski Robert et al. Vegan jelly candy technology - comparison of direct and microwave heating	Podedworny Gerard et al. Living mulches in organic orchards - the effect on biodiversity and soil fertility	Wójcik-Madej Julia et al. Nature-based solutions (NBS): knowledge gaps and future research

15 ⁴⁰ -15 ⁵⁰	Sękul Joanna et al. Study of the impact of storage of vegan fish paste analogues on product quality	Stawrakakis Krzysztof Three-way interaction: severity of grass fungal infection affects fly reproduction	Zajęc-Ossowska Marta Environmental education as an important element of zoological garden's mission
15 ⁵⁰ -16 ⁰⁰	Wajs Joanna et al. Influence of powder addition (MCT) on selected physicochemical and sensory properties of yoghurts based on organic cow's milk	Zańska Justyna et al. Effect of salicylic acid on maize growth in chromium presence	
16 ⁰⁰ -17 ⁰⁰	PANEL IV (Congress Hall of the University of Life Sciences in Lublin; <i>hybrid format</i>) Announcement of the competition results: <i>Greenwashing – a thread to ecology?</i>: dr hab. Barbara Sowińska-Świerkosz, Associate Professor - Vice-Director of the Doctoral School Presentation of the awards and certificates for the best presentation in each session and the best poster Awarding diplomas to the outstanding PhD students of the Doctoral School of the University of Life Sciences in Lublin dr hab. Bartosz Sołowiej, Associate Professor - Vice-Rector for Science and International Cooperation of the University of Life Sciences in Lublin prof. dr hab. Katarzyna Ognik – Director of the Doctoral School Summary of the first day of the Conference MSc Karolina Różaniecka - Chairwoman of the Doctoral Students' Self-Government		
17 ³⁰ -19 ⁰⁰	Bus transfer from Lublin to Janów Lubelski		
19 ⁰⁰ -20 ⁰⁰	Participants' accommodation (Hotel DUO SPA in Janów Lubelski)		
20 ⁰⁰	Gala dinner		
Second day of the conference 20th April 2023			
10 ⁰⁰ -11 ³⁰	PANEL V (Hotel DUO SPA in Janów Lubelski; <i>stationary format</i>) Workshop conducted by the Ombudsman for Doctoral Candidate Rights of The Polish National Representation of Doctoral Candidates (KRD) legal counselor Wojciech Kiełbasiński: "Rights and obligations of PhD student"		
11 ³⁰ -11 ⁴⁵	Coffee break		
11 ⁴⁵ -12 ³⁰	Workshops conducted by representatives of the Polish Association of Doctoral Candidates (KRD) MSc. Michał Klimczyk		
12 ³⁰ -13 ³⁰	Lunch break		
14 ⁰⁰ -16 ⁰⁰	Workshops in the ZOOM Nature Park in Janów Lubelski organized in cooperation with the Mayor of Janów Lubelski		
16 ⁰⁰ -17 ³⁰	Bus transfer from Janów Lubelski to Lublin		

Poster session – Animal Sciences

1. Ciszewski Artur et al. Hemorrhagic enterotoxemia of lambs - still a valid problem in sheep breeding
2. Fabjanowska Julia et al. Effect of supplementation of dairy cows with herbal mixtures on their performance and selected blood indices
3. Figura Aleksandra et al. The problem of the length of perfect STRs in individual identification of animals
4. Hahaj-Siembida Agata et al. Drug-resistant *Staphylococcus pseudintermedius* isolated from red fox (*Vulpes vulpes*)
5. Janicka Kamila et al. Human-oriented sheep follow human in a spatial problem-solving task
6. Janicka Wiktoria et al. Variation in horses' responses to sounds of different frequency characteristics
7. Krakowiak Dominika et al. The effect of allicin on intestine histomorphometry in broiler chickens
8. Lebednikaite Egle et al. Fatty acid profile of broilers pectoralis major muscle affected by myopathy
9. Łaniecki Ronald et al. First record of tydeid mites (Acari: Tydeoidea) from littoral zone
10. Marzec Aleksandra et al. The effect of copper nanoparticles and a different source of dietary fiber in the diet on selected indicators of small intestine integrity and histological image of the small intestine in the rat
11. Milewski Szymon et al. Micronized oilseeds in feed mixtures and the quality of poultry meat
12. Moczulska Magdalena et al. Herbal mixture supplementation of dairy cows' rations affects milk composition, milk quality and cow condition
13. Nadolna Katarzyna et al. Effect of feeding diet containing coccidiostat and administration of antibiotics to turkeys in the first days after hatching on blood levels of selected hormones
14. Osiak-Wicha Cezary et al. Prenatal exposure to fumonisins alters postnatal bone development in rat model
15. Pisarek Maria Lyme disease in Bernese Mountain Dogs
16. Skowronek Patrycja et al. Effect of CBD oil on the activity of the antioxidant system in honey bees
17. Smagieł Radosław et al. Effect of feeding diet containing coccidiostat and administration of antibiotics to turkeys in the first days after hatching on redox status in blood serum
18. Smagieł Radosław et al. Effect of feeding diet containing coccidiostat and administration of antibiotics to turkeys in the first days after hatching on blood levels of antibiotics
19. Sołek Przemysław et al. Effect of feeding diet containing coccidiostat and antibiotics administration to turkeys on gut-brain axis interplay and possible animal welfare consequences.
20. Szczepanik Kinga et al. Effect of astaxanthin (AST) on small intestine in weaned piglets
21. Szymański Łukasz et al. Effect of feeding diet containing coccidiostat and administration of antibiotics to turkeys in the first days after hatching on blood inflammatory indicators
22. Wilczyńska Anna et al. Urinary tract infection with *Encephalitozoon cuniculi* in domestic cavies

23.	Woś Katarzyna et al. Importance of vitamin E in pig nutrition
24.	Zawisza Patrycja et al. The effect of complementary additive on nutrient digestibility and fermentation processes in dogs
25.	Zeliszewska-Duk Paulina et al. Methods of assessing the psychophysical condition of horses with the use of specialized devices
26.	Zwolska Jowita et al. Impact of anaesthetics on the canine choroid assessed with SD-OCT
Poster session – Basic and Health Sciences	
27.	Czelej Michał et al. Antioxidant properties of peptides from egg yolk protein obtained by hydrolysis with various enzymes
28.	Czosnowska Barbara et al. Determination of total polyphenol content in fermented products
29.	Gajowniczek-Ałasa Dorota et al. Food in Alzheimer's disease prevention
30.	Garbacz Katarzyna et al. Enzymatic hydrolysis of canola proteins: comparison of the process efficiency using different enzymes
31.	Grdeń Paula et al. Anti-diabetic properties of bean spread with spelt added
32.	Guzowicz Zuzanna et al. The effects of caffeine consumption on chosen biochemical parameters of the pregnant female rats
33.	Łagowski Dominik et al. When Mycobacterium is older than you. Can it be recovered?
34.	Niemiec Bartosz et al. Stenotrophomonas maltophilia – review of knowledge
35.	Pinkosz Michalina et al. A patient infected with SARS-Cov-2 presents with DRESS syndrome induced by olanzapine: diagnostic difficulties
36.	Staniszewski Adam et al. Probiotic properties and potential of yeasts isolated from variety of food and beverages
37.	Szymański Julian et al. Health benefits of beetroot
38.	Tyczyńska Magdalena et al. Molecular factors and pathways involved in the angiogenesis process of gastric carcinogenesis
39.	Wójcik Michał et al. Curdlan-based Zn-loaded biomaterial as promising wound dressing material
Poster session – Environment	
40.	Bogusz Paulina et al. The necessity of using alternative sources of phosphorus in the fertilizer industry
41.	Čakaj Arlinda et al. Eco-Bench Green Mobile Urban Product: An Innovative Solution for Combating Urban Air Pollution
42.	de Carvalho Messias et al. Positive matrix factorisation and data mining model in analysis of polycyclic aromatic hydrocarbons (PAHs) sources and vertical distribution in soils of the age-diverse brownfields of Southern Poland
43.	Feculak Mikołaj et al. The transformations of nanoparticles determine their behavior in the environment
44.	Grabowski Tadeusz et al. The quality of rainwater and the possibility of its use in the Roztocze National Park
45.	Jóźwiakowska Karolina et al. Household hybrid constructed wetland wastewater treatment plant – operational reliability analysis
46.	Ludziak Krzysztof Hydrotreated vegetable oil (HVO) - new fuel with low carbon footprint and emission reduction potential
47.	Mazurkiewicz Piotr et al. Effect of humic acids on soil and plant quality
48.	Michalik Małgorzata et al. Effect of material and construction solutions of the floor on heat exchange with the ground in a wooden church

49.	Myka-Raduj Anna et al. Changes of water consumption in the forester's lodge of the Poleski National Park
50.	Osowska Paulina et al. Assessment of drug residues in wastewater from the hybrid hydrophite treatment plant in the commune of Dębowa Kłoda, Lublin Voivodeship
51.	Poteć Katarzyna et al. Differentiation of beaver dam construction on small lowland rivers
52.	Rusek Łukasz Coating fertilizers of the future of agriculture
53.	Sadowska Gabriela Forecasting energy yield from photovoltaic installations
54.	Wrzesińska Katarzyna et al. Analysis of Ioinated-Contrast-Media in Hospital with Using of HPLC-MS Methods
55.	Zawadzka Beata et al. Filter for removing phosphorus from biologically treated wastewater - flow conditions
56.	Zourková Ilona Landscape potential for tourism as an ecosystem service
57.	Atarshchykova Anna Entomophilic flora as the ecological factor of bee development
58.	Senchuk Tetiana Features of hygiene of bees on the background of other biological signs
Poster session – Plant Sciences	
59.	Banaś-Kopeć Joanna Technologies of growing strawberries on an organic farm
60.	Barczyk Katarzyna et al. Micronutrient chelates used in foliar fertilizers
61.	Bernat Edyta et al. Stability of field pea varieties in the Polish ecological trials
62.	Biszczyk Wojciech Effect of elicitation on yield and plant health of spring wheat under field conditions
63.	Buczyński Kamil The role of biostimulants in the modern cultivation of fruit trees and shrubs
64.	Čechovičienė Indrė et al. Phenols content and antioxidant properties of blackberry pomace
65.	Cichońska Patrycja et al. Factors affecting the fermentation of bean-based milk substitutes
66.	Giedrojć Weronika The prevalence of pests and pathogens affecting maize in north-eastern Poland
67.	Gruba Marcin et al. The controlling of chemical composition of scCO ₂ -extracts for pharmaceutical applications
68.	Kępska Wiktoria et al. Influence of medium type and culture method on the multiplication efficiency of Sternberg's herb (<i>Chlorophytum comosum</i> (Thunb.) Jacques)
69.	Laukagalis Valdas et al. Quality properties of black cumin (<i>Nigella sativa</i> L.) seeds
70.	Martyna Marlena et al. Modern approach to monitoring biogenic emissions from tree species combining microextraction (HS-BA μ E) with chromatographic techniques (GC-MS)
71.	Matyszczuk Katarzyna et al. Growth of red cabbage seedlings in the presence of ZnONPs and <i>B. subtilis</i> bacteria
72.	Różaniecka Karolina et al. Validation of genomic RNA extraction methodology from the leaves of sugar beet (<i>Beta vulgaris</i> L. subsp. <i>vulgaris</i>)
73.	Rzyska Katarzyna et al. Winter <i>Camelina sativa</i> varieties as a source of biodiversity in culture agroforestry
74.	Stasińska-Jakubas Maria et al. Improving the phytochemical properties of <i>Melissa officinalis</i> L. by elicitation

75.	Zimnoch Urszula et al. Inorganic waste for soil deacidification - ash from biomass combustion
Poster session – Technology	
76.	Abdulnabi Ahmed et al. Experimental investigation on static and dynamic behavior of rubberized geopolymer concrete
77.	Alsharif Abdualhamid et al. The effect of fibers self-compacting concrete on fresh state
78.	Bogusz Radosław et al. Effect of the drying method on the quality of yellow mealworms
79.	Budka Michał Effect of high temperatures on the properties of CFRP composite
80.	Capała Paweł et al. The use of CFD in the design of the SCR-deNOx reactor for the nitric acid plant
81.	Cybul Kamil Developing and implementing a new force reference standard up to 100 kN into the national metrology infrastructure
82.	Czajka Błażej Stability of Thin-Walled Composite Columns with Top-Hat Cross-Section
83.	Drzewiecka Beata Biobatteries - hope for a better tomorrow
84.	Gałaszkiwicz Piotr Electrical Properties of Nanocomposites $Ti_xZr_{1-x}C + \alpha-Cy$ ($0.0 \leq x \leq 1.0$)
85.	Garbacz Łukasz Highly filled polymer-mineral composites as a modern performance material
86.	Grdeń Adam et al. Comparison of the nutritional value and aminogram of selected unconventional proteins
87.	Grotel Jakub et al. Magnetolectric properties of PZT/TERFENOL-D multiferroic composite
88.	Grzegorzczak-Frańczak Małgorzata Influence of hydrophobic coatings on the durability of aerated concretes
89.	Janek Martyna et al. Optimization of carbonate precipitation conditions in microbial cement mortars
90.	Juknienė Ignė et al. Antioxidant and antimicrobial activity of lyophilized meat by-products hydrolysates
91.	Kamiński Piotr et al. Subcritical Water Extraction of Walnut Bark (<i>Juglans regia</i> L.): The effect of temperature, raw material fraction size and process time
92.	Kapyś Sylwia Characteristic of selected properties of PHB modified by spent coffee grounds
93.	Kisała Jakub Giant magnetoresistance - technology of thin-film structures and their potential applications
94.	Korpysa Jarosław et al. Surface texture of magnesium alloy after precision milling
95.	Korzec Izabela et al. Damage identification of FRP composite with using Acoustic Emission
96.	Kostyła Damian et al. Fiber-optic sensor for measuring pressure in medium-voltage vacuum extinguishing chambers
97.	Kowalska Justyna Trends in the development of ecological energy sources in the Lublin Voivodeship
98.	Krajewska Anna et al. Particle size distribution of dried and ground pear pomace
99.	Kusiak Tomasz et al. Analysis of the possibilities rolling of axisymmetric parts in a CNC skew rolling mill
100.	Lech Michał et al. Studies of selected switching parameters of electric power vacuum interrupters
101.	Leleń Michał Analysis of the quality indicators of the process of water-jet cutting of multilayer structures

102.	Lewko Piotr et al. Content of non-starch polysaccharides (NSP) and arabinoxylans in wheat varieties
103.	Longwic Filip Research on a polymer composition highly filled with buckwheat husks
104.	Łysakowska Paulina et al. Lion's mane (<i>Hericium Erinaceus</i>) as a functional component of wheat bread
105.	Mikušová Dominika Monitoring of Water Flow in Porous Materials Using TDR
106.	Niedziela Grażyna et al. Selected statistical methods in plant experiments based on RNA-seq technology
107.	Paluch Dorota et al. Adsorption of methyl red using biocarbons obtained from fennel seed
108.	Sadurski Jan et al. Foodomics in food research
109.	Sałamacha Daria et al. Volumetric errors of CNC machine tools and methods of their identification
110.	Siadkowska Ksenia Analysis of temperature distribution in the main rotor blade
111.	Soja Jakub et al. Addition of apple pomace in snack pellets on the extrusion-cooking process
112.	Sowa Monika Effect of reinforcement particle size on wear of dental composites
113.	Stasiak Joanna et al. Properties of aquafaba as a structure-forming ingredient
114.	Szafraniec Małgorzata et al. Incorporation of nano-sized cellulose into ordinary concrete to increase its durability
115.	Szydłowska-Tutaj Magdalena et al. The content of selected phenolic compounds in pasta with the addition of Enoki, Maitake, Lion's Mane, Reishi dried mushrooms
116.	Ścisłowski Karol Fatigue testing of an actuator for aerospace applications made of shape memory material
117.	Tatarynow Dawid Analysis of the combustion process in a compression-ignition engine fueled by canola oil and n-hexane
118.	Walczak Wojciech Implementation of a conceptual modular water filtration system for natural swimming ponds of the second type
119.	Wiejak Rafał et al. Economical aspects of plants extracts obtained with scCO ₂ extraction
120.	Wilczyńska Aleksandra Technology and measurements of NiFe/SiO ₂ multilayer structures
121.	Wróbel Michał Water and frost resistance of foamed bitumen warm-mix asphalt
122.	Wrótny Marcin Acoustic effectiveness of noise mitigation measures against railroad noise
123.	Zaburko Jacek et al. Problems of mixing and aeration in activated sludge bioreactors
124.	Zbyszyński Wojciech et al. Fracture mechanics of 3D printed cement-based composites
125.	Maksimowski Damian Effect of the concentration method on selected bioactive components of cold brew coffee
126.	Brzozowska Jolanta Identification of input signals in the process of estimating the length of the assembly cycle using Artificial Neural Networks
127.	Senchuk Tetiana Features of hygiene of bees on the background of other biological signs
128.	Atarshchikova Anna et al. Entomophilic flora as the ecological factor of bee development