

FRAMEWORK PROGRAMME

First day of the event; 24th April 2024, Wednesday

3rd International PhD Students' Conference: Environment-Plant-Animal-Product (ICDSUPL); *hybrid format*

8 ⁰⁰ -9 ⁰⁰	Registration of participants (Congress Hall of the University of Life Sciences in Lublin)
9 ⁰⁰ -9 ²⁰	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 MSc Michał Klimczyk – Chairman of the Polish Association of Doctoral Candidates (KRD) MSc Karolina Różaniecka – representative of PhD students in the General Council of Science and Higher Education
9 ²⁰ -9 ³⁰	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:
9 ³⁰ -9 ⁴⁵	dr hab. Igor Tomašević , associate prof., Department for Animal Origin Food Science and Technology, University of Belgrade; "Artificial intelligence in food science"
9 ⁴⁵ -10 ⁰⁰	dr hab. Viktor Korzun , KWS SAAT SE & Co. KGaA, Germany; “Strengthening innovation in plant science and plant breeding”
10 ⁰⁰ -11 ¹⁰	Concert: Krystyna and Wojtek Cugowscy, Bartek Jończyk
11 ¹⁰ -11 ²⁰	Awarding pro-quality scholarships for outstanding PhD students of the Doctoral School of the University of Life Sciences in Lublin
11 ²⁰ -11 ⁴⁰	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>)
11 ⁴⁰ -13 ³⁰	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
11 ⁴⁰ -12 ⁰⁰	Bartosz Sołowiej: Visegrad Fund for the industry 4.0 in the regional agriculture

12 ⁰⁰ -12 ²⁰	Andrea Roztočilová: How do 3D printing and edible insects go together?		
12 ²⁰ -12 ⁴⁰	Jana Stefanikova: Color profiles detected by electronic eye IRIS device		
12 ⁴⁰ -13 ⁰⁰	Zoltan Kovacs: Non-destructive analytical techniques for food quality determination		
13 ⁰⁰ -13 ²⁰	Igor Tomašević: Computer vision system for food quality evaluation		
13 ²⁰ -13 ⁴⁰	Discussion		
11 ⁴⁰ -13 ³⁰	PANEL IIA		
	<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	<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	<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
11 ⁴⁰ -11 ⁵⁰	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
11 ⁵⁰ -12 ⁰⁰	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
12 ⁰⁰ -12 ¹⁰	Kamila Kaszycka: You can't teach the old dog new tricks" – or can you?	Aleksandra Garbacz: Analysis of the phenotypic diversity of the Enterobacteriales microflora of the digestive system as a physiological biomarker of land snails of the genus Cepaea from Polesie	Anna Lipian-Głós: The assessment of the level of selected vitamins in dairy products, whey protein concentrates and protein isolates
12 ¹⁰ -12 ²⁰	Małgorzata Zalewska: Preliminary results of archeozoological analysis of animal remains from the modern castle in Żelechów	Natalia Niedzbała: Influence of soil additives in contaminated soil on plant growth	Emilia Sobala: Preparation of potentiometric sensors for drug analysis containing chlorhexidine digluconate (on-line)
			<u>Basic Sciences Session</u>

			Moderators: dr hab. Marta Wójcik, associate prof. PhD Przemysław Sołek Msc Karolina Wengerska, PhD student
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	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)
			Technology Session Moderators: dr hab. Maciej Combrzyński, associate prof. PhD Beata Biernacka MSc Jakub Soja, PhD student
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
13 ¹⁰ -13 ²⁰	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	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		
	<u>Food Quality Session</u> 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	<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	
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)	
		<u>Plant Sciences;</u> Conference Room No. 14 of the University of Life Sciences in Lublin ; <i>hybrid format</i> Moderators: dr hab. Magdalena Pogorzelec, associate prof. PhD Magdalena Sozoniuk MSc Katarzyna Matyszczuk, PhD student	
15⁰⁰-15¹⁰	Robert Waraczewski: Storage time comparison of sterilized, canned lamb with fat replacement for non-standard starches	Randy Anggriawan: Exploring the Allelopathic Landscape: Integrating Soil Properties and Plant Interactions	

15 ¹⁰ -15 ²⁰	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
15 ²⁰ -15 ³⁰	Andrea Mesárošová: Sea buckthorn co-products as a potential natural antioxidant in raw-cooked meat product	Maria Stasińska-Jakubas: Foliar application of elicitors as an approach to improve secondary metabolism in <i>Hypericum perforatum</i> L
15 ³⁰ -15 ⁴⁰	Katarína Poláková: Determination of fat and fatty acids profile in Coffee pulp <i>Coffea arabica</i>	Adrianna Nowak: Functioning of the successive cambia in selected representatives of the family Aizoaceae (on-line)
15 ⁴⁰ -15 ⁵⁰	Mátyás Lukacs: Comparison of multiple NIR instruments and machine learning algorithms for the detection of nitrogen-based adulteration in protein powders	Sylwia Sajkowska: Bioaccessibility study of essential trace elements from basil (<i>Ocimum basilicum</i> L.) (on-line)
15 ⁵⁰ -16 ⁰⁰	Klara Źbik: Innovative functional animal fats with increased nutritional and technological value (on-line)	Discussion
16 ⁰⁰ -16 ¹⁰	Discussion	
16 ¹⁰ -16 ⁴⁰	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	
17 ⁰⁰ -18 ³⁰	Bus transfer from Lublin to Janów Lubelski	
18 ³⁰ -20 ⁰⁰	Participants’ accommodation (Hotel DUO SPA in Janów Lubelski)	
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, *stationary format*

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, *stationary format*

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
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.	Smagieł 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
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.	Waluda Ł. et al. Production and optical properties of indigoidine
24.	Woś A. et al. Catalytic effect of levodopa on the electroreduction of Zn ²⁺ ions
Poster session – Environment	
25.	Atarshchikova A. et al. Bioindication of heavy metals in the soils-plants-bees-beekeeping products system in biocenoses of the combat areas
26.	Błaszczak W. et al. Occurrence and dissipation mechanism of organic contaminants during sewage sludge anaerobic digestion: A critical review
27.	Feculak M. et al. Sulfidation as a Strategy to Reduce ZnO Nanoparticle Toxicity in Environmental Systems: Insights from Ecotoxicological Assessments
28.	Fialek M. et al. Voltammetric determination of tungsten in environmental waters rich in organics matrix
29.	Fila D. et al. Green solutions for critical raw materials: Alginate-based composites in rare earth element recovery
30.	Joźwiakowska K. et al. Constructed wetland wastewater treatment plant operation across the seasons
31.	Kaya M. et al. Spatial and temporal characteristics of urban Nature- based solutions located in different climate zones
32.	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
33.	Szponder M. et al. Determination of purine adsorption parameters in acetate buffer
34.	Walczak-Górka A. et al. The potential of greenery in mitigating road infrastructure discomfort
35.	Wilk J. et al. Lublin Sound Science – a Citizen Science project
36.	Wlazłowska E. et al. Environmental monitoring of V(V) ion concentration by adsorptive stripping voltammetry using a solid bismuth microelectrode
37.	Wojcik-Madej J. et al. A multi-criteria evaluation method 8optimizing NBS responding to urban challenges
38.	Zawadzka B. et al. Kinetics of phosphorus sorption on RockfosR materials with different granulations
39.	Szwed M. Techniques and methods of digestate application
40.	Grabowski T. Green and blue technologies in the Roztocze National Park
41.	Tkachenko et al. Prospects of using biochar as an additive to compost
Poster session – Food Quality	

42.	Aleksandrovas E. et al. Effect of different treatment methods on properties of edible films from acid whey permeate and concentrate
43.	Chobot M. et al. Preliminary comparative study of drying methods for white radish
44.	Dereń K. et al. Content of selected micro and macro elements in microgreens of rare oilseed plants
45.	Jankauskienė A. et al. Nutritional Profile of Mealworm (<i>Tenebrio molitor</i>) reared in different conditions
46.	Jankauskienė A. et al. Sensory Profiling of <i>Tenebrio molitor</i> reared in different conditions
47.	Klimowicz P. et al. Comparison of the Efficiency of Poultry Meat Protein Separation: Capillary Electrophoresis vs. SDS-PAGE
48.	Kotuła M. et al. Effect of antioxidant biocomposites films on frozen stored raspberries
49.	Krajewska A. et al. Color coordinates of dried apple pomace and apple pomace cookies
50.	Lewko P. et al. Selected texture properties of bakery products enriched with modified wheat flour
51.	Michalska A. et al. Composition and anticancer activity of selected edible mushrooms naturally occurring in Poland
52.	Sadurski J. et al. Bioinformatics in metagenomic food research
53.	Stasiak J. et al. The influence of the aquafaba preparation method on some physical properties
54.	Rolewicz A. Benefit of red grapes that make you healthy
55.	Szołtysik et al. The influence of proteins and milk fat functional hydrolysates on the flavour and aroma profile of processed cheeses
56.	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
57.	Hendrychová et al. Qualitative parameters of mealworm larvae (<i>Tenebrio molitor</i>) at different processing conditions
58.	Kolář et al. Bio) polymeric particles for agents' encapsulation to achieve active systems for various applications
Poster session – Health Sciences	
59.	Białowąs W. et al. The role of iron in the course of neurodegenerative disorders
60.	Bilokinna A. et al. Occurrence of <i>Staphylococcus aureus</i> in playgrounds in Lublin
61.	Gajowniczek-Ałasa D. et al. Exploring the Therapeutic Potential of Honey: A Comprehensive Study on Cholinesterase Inhibition for Alzheimer's Disease Prevention
62.	Kawecka p. at al. Pediatric feeding disorders

63.	Kiszowara P. et al. Can statins, commonly used to lower cholesterol, affect the musculoskeletal system?
64.	Kwaśny D. et al. The influence of different polyphenols on potato starch digestibility and the estimated glycaemic index
65.	Lipian-Głós A. Et al. Optimization of procedures for preparing milk samples and whey protein powders for vitamin determination using the ELISA method
66.	Lipian-Głós A. Et al. Optimization of cheese preparation procedures for vitamin determination using the ELISA method
67.	Łysakowska P. et al. The therapeutic dietary strategy in geriatric obesity with comorbidity
68.	Niziołek A. et al. Presence of multidrug-resistant <i>Escherichia coli</i> strains in playgrounds in Lublin
69.	Osowska P. et al. Optimization of procedures for preparing buttermilk and protein milk shake samples for vitamin determination using the ELISA method
70.	Słyszczak K. et al. Lion's Mane (<i>Herichium erinaceus</i> (Bull.) Pers.) mushroom as source of bioactive compounds in foods
71.	Staniec K. et al. The 10oltametric procedures for determination of acyclovir
72.	Grdeń et al. Caffeine and a pregnant woman's diet
Poster session – Plant Sciences	
73.	Arciszewski M. et al. Acclimatisation of <i>Salix myrtilloides</i> L.: Key physiological indicators on the path to successful reintroduction
74.	Bernat E. et al. The impact of nitrogen fertilization on the quality parameters of spelt wheat grain
75.	Bogusz P. et al. The impact of suspension fertilizers based on waste phosphates from polyol production on corn yield
76.	Brzostowska A. et al. Mechanisms preventing the loss of meristematic potential in the horse-chestnut periderm
77.	Buczyński K. et al. The evaluation of energy from raspberry shoots used as biomass depending on the variety
78.	Figiel S. et al. Benefits of using microbiological fertilizer products in modern agriculture
79.	Jakobina M. et al. <i>Mentha</i> sp. abundant in cis-piperitone oxide
80.	Maciorowska J. et al. A History of How Plants Survive the Darkness: Plant Stress Memory in Barley
81.	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
82.	Rusek Ł. et al. Effectiveness of Surrounding Fertilizers in Corn Crops from a Sustainable Fertilization Perspective

83.	Rząd K. et al. Effectiveness of selected compounds as stimulators of resistance of cereal plants to infection with fungal pathogens
84.	Skazińska S. Inducing immunity in plants using beneficial microorganisms – a review
85.	Sobiech A. et al. Effect of meIAA on development processes and auxin response in seedlings of <i>Arabidopsis thaliana</i>
86.	Sokal K. et al. The application of a Pulsed Electric Field on oil seeds
87.	Wnuczek R. The Influence of Market Conditions on the Profitability of Winter Wheat Production
88.	Zimnoch U. et al. Corn yielding after application of fertilizers based on ash from biomass combustion
89.	Matyszczuk K. The effect of zinc oxide nanoparticles on the growth of cucumber <i>Cucumis sativus</i>
Poster session – Technology	
90.	Czajka B. Stability of Thin-Walled Composite Structures – FEM Mesh Density Comparison
91.	Snarski-Adamski A. et al. The Influence of Temperature on Tribological Properties of Materials Intended for Temporary Dental Crowns Manufactured Using 3D DLP Printing Technology
92.	Soja J. et al. Effect of Apple Pomace Addition on the Antioxidant Potential of Extruded Snacks
93.	Tama A. et al. Antioxidant properties of candies stuffed with apple pulp
94.	Walczak W. et al. Preliminary results of phosphorus sorption studies of selected minerals for a modular filtration chamber
95.	Vasiukov K. et al. Use of barley malt for enzymatic hydrolysis of starches from various grains
96.	Czelej et al. Whey as a Superfood: Generating Bioactive Peptides from Whey Protein