



## Conference Schedule

### On-line Presentations

- 09:50 – 10:00 **Opening the Session and discussing technical matters**
- 1 10:00 – 10:10 **SZYMON ARAJ**  
(*Medical University of Warsaw*)  
STRUCTURAL, PHYSICO-CHEMICAL AND THEORETICAL STUDIES OF AN NOVEL MOLECULE WITH NOOTROPIC ACTIVITY – NOOPEPT
- 2 10:10 – 10:20 **AGNIESZKA JANIAK**  
(*Sun&More Sp. z o.o. Szczecin*)  
INTERACTIVE PLYWOOD TOYS – A SOLUTION TO INCREASE A CHILD'S INTEREST IN A PHYSICAL TOY. EDUCATIONAL VALUES IN THE SOCIAL AND SOCIAL DIMENSION, WITH RESPECT FOR THE ENVIRONMENT
- 3 10:20 – 10:30 **ALEKSANDRA KOWALSKA**  
(*Medical University of Warsaw*)  
13 C CP MAS NMR AND MOLECULAR MODELING STUDIES OF CHROMANYL GLYCOSIDES-PROMISING DERIVATIVES OF VITAMIN E (*ENG*)
- 4 10:30 – 10:40 **BEATA SKONIECZNA**  
(*University Clinical Center in Gdańsk*)  
QUALITY ERRORS IN SPIROMETRY IN SCHOOL-AGE CHILDREN
- 5 10:40 – 10:50 **PATRYCJA SŁOMCZYŃSKA**  
(*Medical University of Warsaw*)  
QUALITY CONTROL OF PLANT RAW MATERIAL USED IN COSMETOLOGY – ARGAN OIL (*ARGANIA SPINOSA*)
- 6 10:50 – 11:00 **WERONIKA BROSZKIEWICZ**  
(*Medical University of Lodz*)  
COMPARISON OF THE EFFECTS OF DEXAMETHASONE ON NORMAL, IMMORTALIZED PROSTATE EPITHELIAL CELLS (PNT1A) AND ON ANDROGEN-INDEPENDENT, HIGHLY AGGRESSIVE HUMAN PROSTATE CANCER CELLS (PC3)
- 7 11:00 – 11:10 **LIDIA BŁAŻAŁEK**  
(*University of Lodz*)  
RISK ASSOCIATED WITH PERFLUOROALKYL SUBSTANCES (PFAS) PRESENCE IN THE ENVIRONMENT
- 11:10 – 11:30** *Coffee Break*
- 8 11:30 – 11:40 **WERONIKA BRODA, AGNIESZKA CHMIELOWIEC**  
(*University of Science in Lublin*)  
HIGHLY PATHOGENIC AVIAN INFLUENZA IN DIARY CATTLE (*ENG*)
- 9 11:40 – 11:50 **AGNIESZKA CHMIELOWIEC, WERONIKA BRODA**  
(*University of Science in Lublin*)  
CHRONIC WASTING DISEASE AS A SERIOUS THREAT FOR DEERS IN EUROPE (*ENG*)
- 10 11:50 – 12:00 **ALICJA KULPIŃSKA**  
(*Bydgoszcz University of Science and Technology*)  
BIOTECHNOLOGICAL METHODS OF LONG-TERM STORAGE OF PLANT GENETIC RESOURCES



- 11 12:00 – 12:10 **GABRIELA OTWINOWSKA, NATALIA SPYCHAJ**  
*(Warsaw University of Life Sciences)*  
COMPREHENSIVE EVALUATION OF THE QUALITY OF MILK-SOY SKYR  
WITH THE ADDITION OF SELECTED THICKENING POWDER AND IN THE OPTIMAL RATIO  
OF MILK TO SOY BEVERAGE
- 12 12:10 – 12:20 **KRZYSZTOF CHMIELEWSKI**  
*(Viabo Games Ltd.; Kazimierz Wielki University in Bydgoszcz)*  
ARTIFICIAL INTELLIGENCE IN COMPUTER GAMES' STORY PERSONALIZATION.  
AWSG CASE STUDY
- 13 12:20 – 12:30 **MATEUSZ ŁUCKI**  
*(The Jarosław Dąbrowski Military University of Technology)*  
THE INFLUENCE OF POWDER FEEDING CONTROL ON THE GEOMETRY OF PARTS  
MANUFACTURED IN THE LENS PROCESS
- 14 12:30 – 12:40 **WOJCIECH SZYMANIEC**  
*(Częstochowa University of Technology)*  
CUTTING EDGE TECHNOLOGY – ON THE SELECTION OF STEEL FOR KITCHEN  
KNIVES (ENG)
- 15 12:40-12:50 **MARTYNA ŁAWNICZAK**  
*(Wrocław University of Environmental and Life Sciences)*  
COMPARISON OF CONSUMER EVALUATION OF PRESSED APPLE JUICE AND JUICE FORM  
CONCENTRATE

## **HUMANITIES SCIENCES SESSION**

### **Presentations**

- 1 **JOANNA CHRZĄSZCZ**  
*(State University named after Jana Grodek in Sanok)*  
LOANS, PAWNSHOPS, PARABANKS

### **Posters**

- 1 **KINGA OGŁOZA**  
*(Cracow University of Economics)*  
BLOCKCHAIN TECHNOLOGY IN FINANCE
- 2 **SARA PARTYKA**  
*(Cracow University of Economics)*  
SOCIAL BONDS
- 3 **ALEKSANDRA PILIPIUK**  
*(Kozłowski University)*  
DISCRIMINATION IN THE LIMITED LIABILITY COMPANY SUCCESSION PROCESS (ENG)
- 4 **GABRIELA RĘKAS**  
*(University of Economics)*  
GREEN BONDS
- 5 **JUSTYNA SZYDEŁKO**  
*(Cracow University of Economics)*  
THE IMPORTANCE OF ESG FOR SUSTAINABLE BUSINESS DEVELOPMENT
- 6 **PATRYCJA TELEGA**  
*(Cracow University of Economics)*  
CREDIT RISK



- 7 **KINGA TOKARZ**  
(*Cracow University of Economics*)  
BEHAVIORAL ECONOMICS

## **MEDICAL SCIENCES SESSION**

### **Presentations**

- 1 **KATARZYNA BAZYLEWICZ**  
(*Independent Clinical Hospital No.1 Pomeranian Medical University Szczecin*)  
TREATMENT OF INFLAMMATORY BOWEL DISEASE DURING ACUTE EXACERBATION
- 2 **KAROLINA BUGNO**  
(*Piastów Śląskich Medical University, Wrocław*)  
CHARACTERISTICS OF CARDIOLOGICAL SCALES – AID IN DIAGNOSIS AND TREATMENT
- 3 **SZYMON GALAS**  
(*Poznan University of Physical Education*)  
COMPARING TECHNICAL PROFICIENCY OF ELITE TABLE TENNIS PLAYERS WITH INTELLECTUAL DISABILITY BY D. VAN BIESEN – LITERATURE REVIEW
- 4 **EWELINA KAMIŃSKA**  
(*Higher School of Management and Entrepreneurship based in Walbrzych*)  
SKIN DEFECTS
- 5 **EMILIA KAMIZELA**  
(*Medical University of Lublin*)  
LEIOMYOSARCOMA – EPIDEMIOLOGY, SYMPTOMS, DIAGNOSIS, TREATMENT
- 6 **KATARZYNA MROCZKA**  
(*University of Opole*)  
BENEFICIAL EFFECTS OF PHYSICAL ACTIVITY ON NEUROGENESIS AND BRAIN FUNCTION
- 7 **ALICJA PALUCH**  
(*Medical University of Lublin*)  
COEXISTENCE OF PREGNANCY AND CANCER COLORECTAL CANCER
- 8 **ALICJA PALUCH**  
(*Medical University of Lublin*)  
LUNG CANCER ON TARGET – AN ONGOING CHALLENGE.
- 9 **KATARZYNA PIASEK**  
(*Institute of Health Care, National Academy of Applied Sciences in Przemyśl; New Medical Techniques Specialist Hospital of St. Family in Rudna Mała*)  
THE ANALYSIS OF DISCREPANCIES IN MAGNESIUM AND CALCIUM CONCENTRATIONS DURING INTERVERTEBRAL DISC DEGENERATION (ENG)
- 10 **GRACJANA RACZKOWSKA**  
(*University of Wrocław*)  
BENZODIAZEPINES USED IN PHARMACOTHERAPY – GENERAL CHARACTERISTICS
- 11 **KLAUDIA SKÓRA**  
(*Institute of Health Care, National Academy of Applied Sciences in Przemyśl; New Medical Techniques Specialist Hospital of St. Family in Rudna Mała*)  
THE EVALUATION OF VARIANCES IN SODIUM AND POTASSIUM CONCENTRATIONS DURING INTERVERTEBRAL DISC DEGENERATION OF THE LUMBOSACRAL SPINE (ENG)
- 12 **MALGORZATA SOBANSKA**  
(*Collegium Medicum, WSB University Department of Neurosurgery, Szpital sw. Rafala in Cracow*)  
ASSESSMENT OF QUALITY OF LIFE IN PATIENTS WITH LUMBOSACRAL DEGENERATIVE STENOSIS OF THE SPINE TREATED SURGICALLY (ENG)



- 13 **EWA STASZAK**  
(*University of Opole*)  
OBSTRUCTIVE SLEEP APNEA – A COMMON CONDITION REQUIRING TREATMENT
- 14 **WERONIKA WITEK**  
(*University of Opole*)  
PARASOMNIAS – DISORDERS THAT SIGNIFICANTLY REDUCE THE QUALITY OF SLEEP
- 15 **JOANNA ŻANDAREK**  
(*Jagiellonian University Medical College*)  
QUALITATIVE AND QUANTITATIVE ANALYSIS OF CEFAZOLIN IN PHARMACEUTICAL PREPARATIONS BY TLC COUPLED WITH DENSITOMETRIC DETECTION (ENG)

### **Posters**

- 1 **KORNELIA CZARNECKA**  
(*Medical University of Lodz*)  
ALTERNARIOL (AOH) INDUCES CHANGES IN CLAUDIN-3 EXPRESSION (ENG)
- 2 **GRAZUL MAGDALENA**  
(*Medical University of Lodz*)  
ANTIMICROBIAL EVALUATION OF NEW COUMARIN DERIVATIVE COMPLEXES WITH CU(II) (ENG)
- 3 **MAGDALENA JANCZURA**  
(*Department of Pharmacognosy and Biomaterials, Medical University of Poznań; Department of Pharmacology and Phytochemistry, Institute of Natural Fibers and Medicinal Plants – National Research Institute*)  
NEUROPROTECTIVE PROPERTIES OF EXTRACTS FROM SOPHORA JAPONICA
- 4 **MONIKA KUŚMIERZ-WOJTASIK**  
(*Pomeranian Medical University in Szczecin*)  
COMPARISON OF THE DYNAMICS OF CHANGES IN CORNEAL PARAMETERS IN PATIENTS AFTER DMEK AND UT-DSAEK IN LONG-TERM FOLLOW-UP (ENG)
- 5 **ILONA NOWAK**  
(*Silesia LabMed Research and Implementation Centre of the Medical University of Silesia in Katowice*)  
AGE RELATED MACULAR DEGENERATION – CURRENT STATE OF KNOWLEDGE
- 6 **AGNIESZKA POLAK**  
(*Medical University of Silesia, Katowice*)  
PEPTIDE NUCLEIC ACIDS (PNA) IN INHIBITING PROPROTEIN CONVERTASE SUBTILISIN/KEXIN 9 (PCSK9) GENE EXPRESSION IN CELL-FREE SYSTEMS
- 7 **KATARZYNA REKIEL**  
(*Medical University of Silesian Piasts in Wrocław*)  
THE USE OF STEM CELLS IN MEDICINE
- 8 **JANINA RZESZOT**  
(*Higher School of Vocational Education*)  
FRACTURES ARE A THREAT TO THE FUTURE CAREERS OF TEENAGE FOOTBALLERS (ENG)
- 9 **PIOTR URBANOWICZ**  
(*Medical University of Silesian Piasts in Wrocław*)  
ROBOTICS IN MEDICINE – POTENTIAL AND THREATS
- 10 **KATARZYNA WINCENCIUK**  
(*Medical University of Białystok*)  
EVALUATION OF APOPTOSIS MARKERS IN WOMEN WITH PAPILLARY THYROID CANCER



## **TECHNICAL AND NATURAL SCIENCES SESSION**

### **Presentations**

- 1 **ARKADIUSZ KAMPCZYK**  
(AGH University of Krakow)  
PROGRESS OF THE GEODETIC CONTROL NETWORKS IN THE NEAR-FIELD COMMUNICATION STANDARD  
(ENG)
- 2 **ARKADIUSZ KAMPCZYK**  
(AGH University of Krakow)  
INTENSIFICATION OF CONDITION MONITORING OF CONTINUOUS WELDED RAIL TRACK GEOMETRY –  
DIGITAL RAILWAY (ENG)
- 3 **EWA KOWALSKA**  
(Institute of Food Sciences)  
SURVIVALBILITY OF L. ACIDOPHILUS LA-5 STRAIN MICROENCAPSULATED USING LEGUME PROTEIN  
ISOLATES
- 4 **JULIA MALAWSKA**  
(Wroclaw University of Technology)  
MAX PHASES – POSSIBLE APPLICATIONS IN NUCLEAR ENERGY (ENG)
- 5 **WERONIKA MICHALSKA**  
(University of Warsaw)  
AWARENESS OF THE FLOOD RISK IN THE POWIŚLE SETTLEMENT IN WARSAW. PRELIMINARY STUDY
- 6 **ARLETA SIERAKOWSKA**  
(Adam Mickiewicz University)  
THE THIOPHENE-RING OPENING REACTION AS A KEY TO SYNTHESIZE NEW PURINE ALKALOIDS -  
PRELIMINARY RESEARCH RESULTS
- 7 **MAGDALENA ŚPIEWAK**  
(West Pomeranian University of Technology)  
ANALYSIS OF POLYMORPHISMS IN THE B4GALT1 GENE AND THE MILK PRODUCTION TRAITS OF POLISH  
HOLSTEIN-FRIESIAN CATTLE (ENG)
- 8 **ANETA TOMCZYK-KONAT**  
(Fruktus Agros Nova Sp. z o.o. Sp.k.)  
DEVELOPMENT OF A HIGHLY EFFECTIVE AND FLEXIBLE TECHNOLOGY FOR PROCESSING A WIDE  
RANGE OF AGRI-FOOD PRODUCTS IN ORDER TO OBTAIN HIGH-QUALITY VEGETABLE PRESERVES
- 9 **ANETA TOMCZYK-KONAT**  
(Fruktus Agros Nova Sp. z o.o. Sp.k.)  
DEVELOPMENT OF A NEW VARIETY OF FIELD CUCUMBER DEDICATED TO PICKLING AND IMPROVED  
TECHNOLOGY OF ITS CULTIVATION IN ORDER TO OBTAIN HIGH-QUALITY, REPEATABLE AND  
EFFICIENT PRODUCTION IN POLISH CLIMATIC CONDITIONS
- 10 **SŁAWOMIR WALKOWIAK**  
(Poznan University of Technology)  
INITIAL CHARGING INFLUENCE ON GRID AND ACTIVE MATERIAL CORROSION LAYER GROWTH

### **Posters**

- 1 **OSKAR KAMIŃSKI**  
(Adam Mickiewicz in Poznań)  
CORAL REEF BLEACHING AS A RESULT OF ANTHROPOGENIC CLIMATE CHANGES
- 2 **KINGA KLICH**  
(University of Wroclaw)  
THE DNA SUPERCOILING-SENSITIVE CLUSTER IN STREPTOMYCES COELICOLOR ENCODES A POTENTIAL  
TOXIN-ANTITOXIN PAIR THAT MEDIATES INTERSPECIES COMPETITION (ENG)



- 3 **EWELINA KOZIARA**  
(University of Rzeszów)  
INSPECTION OF OPERATORS WHO CARRY OUT COMMERCIAL TRANSPORT OF ANIMALS
- 4 **ELŻBIETA KRYSKA**  
(University of Wrocław)  
DEVELOPMENT AND OPTIMIZATION OF THE CHICKEN EMBRYO MODEL (CAM) AND ITS APPLICATION IN SCIENCE (ENG)
- 5 **MAX LEWANDOWSKI**  
(Silesian University of Technology)  
OBSERVATION OF HEAVY METALS EMISSIONS FROM ROAD TRANSPORT USING DANDELIONS (TARAXACUM OFFICINALE) (ENG)
- 6 **KAROLINA ŁACHMACKA**  
(Wrocław University of Environmental and Life Sciences)  
THE STATE OF AVAILABLE RESOURCES AND CLIMATE CHANGE BASED ON THE PROPOSAL TO PREVENT WATER SHORTAGES – RCP-4.5 SCENARIO
- 7 **JOANNA MARKOWSKA**  
(Prof. Waclaw Dabrowski Institute of Agricultural and Food Biotechnology – State Research Institute)  
FROZEN ONIONS IN POLAND – MARKET STANDARDS AND QUALITY ANALYSIS
- 8 **JOANNA MARKOWSKA**  
(Prof. Waclaw Dabrowski Institute of Agricultural and Food Biotechnology – State Research Institute)  
MARKET STANDARDS AND QUALITY OF FROZEN BROCCOLI
- 9 **PIOTR MICHAŁOWSKI**  
(Poznan University of Technology; Institute of Bioorganic Chemistry Polish Academy of Sciences)  
DEVELOPMENT OF NATURAL PRODUCT ANALOGUE BIOPRODUCTION TOOLS THROUGH SYNTHETIC BIOLOGY
- 10 **PIOTR MICHAŁOWSKI**  
(Poznan University of Technology; Institute of Bioorganic Chemistry Polish Academy of Sciences)  
OPTIMISATION AND EFFECTS OF CHEMICAL CONDITIONS ON CARBIMAZOLE AND THIAMAZOLE SYNTHESIS
- 11 **RAFAŁ PIETRZAK**  
(NanoSanguis S.A.)  
NOVEL LIPOSOME-BASED DRUG DELIVERY SYSTEM TO THE BRAIN (ENG)
- 12 **MAGDALENA PISKOR**  
(Morad Sp. z o. o.)  
FIRE RESISTANCE TESTS OF ALUMINUM SINGLE- AND DOUBLE-LEAF DOORS OPENING TOWARDS THE FURNACE AND OUTWARDS IN THE EI30 AND EI60 CLASS IN ACCORDANCE WITH PN-EN1634-1 AND PN-EN 16034 WITH THE USE OF SILICATE-LIME FILLING
- 13 **GABRIELA PURCHA**  
(University of Rzeszów)  
IRREGULARITIES IN OPERATORS CARRYING OUT COMMERCIAL TRANSPORT OF ANIMALS IN 2018-2022
- 14 **MACIEJ RAJTAR**  
(University of Life Sciences in Lublin)  
CORDYCEPS MILITARIS IN TRADITIONAL AND MODERN MEDICINE (ENG)
- 15 **KACPER SIWIAK**  
(University of Life Sciences in Lublin)  
CHEMICAL COMPOSITION AND NUTRITIONAL VALUE OF CORDYCEPS MILITARIS (ENG)
- 16 **MICHAŁ SZKOP**  
(NanoSanguis S.A.)  
POLYMER BASED COATINGS FOR POLYCARBONATE NANOPOROUS MEMBRANES (ENG)

**National Scientific Conference  
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- 17 **ALICJA SZOT**  
(*University of Life Sciences in Lublin*)  
IMPACT OF CORDYCEPS MILITARIS ON PHYSICAL PERFORMANCE AND MUSCLE RECOVERY (ENG)
- 18 **MACIEJ WACLAWIK**  
(*Morad Sp. z o. o.*)  
A SERIES OF TESTS CONFIRMING THE FUNCTIONALITY AND EFFECTIVENESS OF THE INNOVATIVE ENERGY-EFFICIENT ROOM COMFORT IMPROVEMENT KIT IN THE FORM OF ALUMINUM LIFT-AND-SLIDE DOORS WITH AN INTEGRATED VENTILATION AND RECUPERATION SYSTEM
- 19 **PATRYCJA WROŃSKA**  
(*University of Life Sciences in Lublin*)  
ANTICANCER PROPERTIES OF CORDYCEPS MILITARIS