



## Conference Schedule

### On-line Presentations

- 09:50 – 10:00 **Opening the Session and discussing technical matters**
- 1 10:00 – 10:10 **MAREK BRYJA**  
*University of Ss. Cyril and Methodius in Trnava, Slovakia*  
DEMOGRAPHIC ANALYSIS OF THE SLOVAK MINORITY IN POLAND: CONCENTRATION AND DISPERSION
- 2 10:10 – 10:20 **ANGELIKA MICHALIK**  
*Jagiellonian University*  
HIROSHIMA. THE SPECIFICITY OF THE "CAPITAL OF PEACE" (ENG)
- 3 10:20 – 10:30 **DARIA ROGOWSKA**  
*Casimir the Great University in Bydgoszcz*  
JOB SEARCH BY PEOPLE WITH CERTIFIED DISABILITIES. JOB PORTALS AND THE PROSPECT OF SUPPORT FROM NON-GOVERNMENTAL ORGANIZATIONS
- 4 10:30 – 10:40 **KRZYSZTOF SPERKOWSKI**  
*SWPS University of Social Sciences and Humanities*  
THE CONTEMPORARY REPRESENTATIVES OF THE FEMME FATALE ARCHETYPE
- 5 10:40 – 10:50 **ZOFIA WÓJCIK, PAULINA PIETRUKANIEC**  
*University of Radom Kazimierz Pułaski in Radom*  
THE USE OF ARTIFICIAL INTELLIGENCE IN ULTRASOUND EXAMINATIONS BASED ON ESICM GUIDELINES. 2 APPLICATION OF ARTIFICIAL INTELLIGENCE IN THE MANAGEMENT OF ACUTE PAIN IN PEDIATRIC PATIENTS IN ANAESTHESIA AND INTENSIVE CARE UNITS
- 6 10:50 – 11:00 **PAULINA PIETRUKANIEC, ZOFIA WÓJCIK**  
*University of Radom Kazimierz Pułaski in Radom*  
APPLICATION OF ARTIFICIAL INTELLIGENCE IN THE MANAGEMENT OF ACUTE PAIN IN PEDIATRIC PATIENTS IN ANAESTHESIA AND INTENSIVE CARE UNITS
- 7 11:00 – 11:10 **KATHARINA-SOPHIA STYŚ**  
*University of Rzeszow*  
OXIDATIVE STRESS AND DEMENTIA IN ALZHEIMER'S PATIENTS: EFFECTS OF SYNBIOTIC SUPPLEMENTATION
- 8 11:10 – 11:20 **KACPER GADZIŃSKI**  
*University of Warmia and Mazury in Olsztyn*  
REVYSOL – THE BEST TRIAZOLE ON THE MARKET
- 9 11:20 – 11:30 **MATEUSZ JANIEC**  
*Polskie Domy Drewniane S.A.*  
COMPARISON OF THE APPLICATION OF FIRE RETARDANT IMPREGNATIONS DEPENDING ON THE PRESSURE AND PROCESS DURATION (ENG)
- 11:30 – 12:00 **Coffee Break**
- 10 12:00 – 12:10 **MICHAŁ KOCIOLEK**  
*Warsaw University of Technology*  
THE ROLE OF THE NATIONAL POWER SYSTEM AND VARIOUS ENERGY SOURCES IN THE POLISH ENERGY SECTOR



- 11 12:10 – 12:20 **PIOTR KRÓL**  
*University of Warmia and Mazury in Olsztyn / Faculty of Technical Sciences*  
REVERSE ENGINEERING
- 12 12:20 – 12:30 **KAMILA KUŚMIERCZYK**  
*University of Warmia and Mazury*  
FROM WOLF TO MAN'S BEST FRIEND. DOG DOMESTICATION HYPOTHESES
- 13 12:30 – 12:40 **AGATA NIESTĘPSKA**  
*University of Warmia and Mazury in Olsztyn*  
IS IT POSSIBLE FOR US TO SURVIVE WITHOUT MICROORGANISMS?
- 14 12:40 – 12:50 **AGATA NIESTĘPSKA**  
*University of Warmia and Mazury in Olsztyn*  
ANTIBIOTIC RESISTANCE – A MODERN CHALLENGE FOR MEDICINE
- 15 12:50 – 13:00 **KAROLINA SADOWSKA**  
*Bialystok University of Technology*  
GREEN OASIS OF THE CITY: HOW GREENERY SHAPES PUBLIC SPACES... AND A FEW WORDS ON BIOCENOTIC GARDENS
- 16 13:00 – 13:10 **KAROLINA SOWIŃSKA**  
*University of Warmia and Mazury in Olsztyn / Faculty of Agriculture and Forestry*  
BEEKEEPING – THE KEY TO SUSTAINABLE AGRICULTURE AND A HEALTHY ECOSYSTEM
- 17 13:10 – 13:20 **KLAUDIA SOWIŃSKA**  
*University of Warmia and Mazury in Olsztyn*  
MODERN TECHNOLOGIES IN DAIRY CATTLE PRODUCTION
- 18 13:20 – 13:30 **KRZYSZTOF CHMIELEWSKI**  
*Kazimierz Wielki University / Viabo sp. z o.o.*  
USE OF MACHINE LEARNING IN THE DESIGN OF SYSTEMS GENERATING PERSONALIZED RPG – AWSG CASE STUDY (ENG)

## HUMANITIES SCIENCES SESSION

### Presentations

- 1 **JULIA BARANKIEWICZ**  
*University of Warmia and Mazury in Olsztyn*  
HOW PSYCHOLOGY AS A SCIENCE HELPS US UNDERSTAND OUR PARTNER AND THEIR BEHAVIOR IN A RELATIONSHIP
- 2 **ZUZANNA CHODKOWSKA**  
*University of Warmia and Mazury in Olsztyn*  
VIRTUAL REALITY (VR) IN AUTISM THERAPY: INNOVATIVE APPROACHES UTILIZING VR TO DEVELOP SOCIAL AND ADAPTIVE SKILLS
- 3 **MALGORZATA CZARNECKA**  
*Adam Mickiewicz University in Poznań*  
EVOLUTION OF JOHN PAUL II'S VIEWS ON OLD AGE AND ELDERLY PEOPLE BASED ON THE EXHORTATION FAMILIARIS CONSORTIO, ENCYCLICAL EVANGELIUM VITAE AND OTHER PAPAL STATEMENTS FROM THE YEARS 1981-1999
- 4 **DOMINIK DROBEK**  
*University of Lublin*  
DOES SELF-ESTEEM AFFECT THE PERCEPTION OF OTHERS' ATTRACTIVENESS?
- 5 **DOMINIK DROBEK**  
*University of Lublin*  
ORTHOREXIA – WHEN HEALTHY EATING BECOMES UNHEALTHY



- 6 **EWA FICEK**  
*University of Silesia in Katowice*  
"IT [...] WAS FEAR AND FIGHTING". DOMAINS OF FEAR AND/OR THE SUBJECTIVE REFERENCES THEREOF IN REMINISCENT ACCOUNTS FROM THE ORAL HISTORY ARCHIVE OF THE WARSAW UPRISING MUSEUM
- 7 **MARTA GRYC**  
*Bialystok University of Technology*  
TOGETHER IN DIVERSITY: REVITALIZING LISBON'S MULTICULTURAL DISTRICT FOR INTEGRATION AND SAFETY
- 8 **KATARZYNA JANKOWSKA**  
*University of Warmia and Mazury*  
CURRENT APPROACHES TO PSYCHOTHERAPY FOR SCHIZOPHRENIA: INTEGRATING COGNITIVE-BEHAVIORAL TECHNIQUES
- 9 **MARTA KAZIMIERCZAK-KOŁODZIEJCZYK**  
*Jan Dlugosz University in Czestochowa*  
THE IMPORTANCE OF FREE TIME FOR A STUDENT AT AN EARLY STAGE OF EDUCATION.
- 10 **JUSTYNA KOZŁOWSKA**  
*University of Applied Sciences in Konin*  
THE IMPACT OF THE LATEST SCIENTIFIC ACHIEVEMENTS ON FUNCTIONING AND DEVELOPMENT E-COMMERCE: FROM THEORY TO PRACTICE.
- 11 **DAWID MAKOWSKI**  
*University of Warmia and Mazury in Olsztyn*  
THE IMPACT OF LIGHTING COLOR ON MOOD
- 12 **DAWID MAKOWSKI**  
*University of Warmia and Mazury in Olsztyn*  
CHILD FUNCTIONING IN THE FAMILY – A CASE STUDY
- 13 **JOANNA PICH**  
*University of Warmia and Mazury in Olsztyn*  
DOES FREQUENT TRAVEL POSITIVELY AFFECT OUR MENTAL WELL-BEING?
- 14 **JOANNA PICH**  
*University of Warmia and Masuria in Olsztyn*  
THE IMPACT OF SOCIAL SKILLS TRAINING ON SOCIAL ANXIETY LEVELS AND EMOTIONAL INTELLIGENCE DEVELOPMENT IN CHILDREN AND ADOLESCENTS
- 15 **KATARZYNA ROSZKOWSKA**  
*University of Silesia in Katowice*  
EDUSCRUM IN TEACHING ENGLISH IN THE CONTEXT OF LANGUAGE ANXIETY AMONG STUDENTS OF A VOCATIONAL SCHOOL (ENG)
- 16 **TOMASZ SAMBURSKI**  
*Radom Academy of Economics*  
FOOD SECURITY IN THE EPIDEMIOLOGICAL PERIOD – AN INTERDISCIPLINARY PERSPECTIVE
- 17 **NIKOLA SIEMIŃSKA**  
*Kazimierz Wielki University, Bydgoszcz*  
SELF-CARE OF PREGNANT WOMEN
- 18 **KLAUDIA SIENKIEWICZ**  
*Maria Curie-Skłodowska University in Lublin*  
ANALYSIS OF THE BELGIAN PRESIDENCY OF THE COUNCIL OF EUROPEAN UNION IN 2024
- 19 **WERONIKA SKONIECZNA**  
*Kazimierz Wielki University, Bydgoszcz*  
THE MOMENT OF STARTING STUDIES AND STRESS



- 20 **DOMINIKA SZTEJTER**  
*University of Warmia and Mazury in Olsztyn*  
PSYCHOLOGICAL MANIPULATIONS IN COMPUTER GAMES
- 21 **GABRIELA WASILEWSKA**  
*University of Białystok*  
UNDERSTANDING SOCIOLOGY

### Posters

- 1 **EMILIA BARZYK**  
*State University of Jan Grodek in Sanok*  
THE IMPACT OF PEER VIOLENCE ON A STUDENT'S EDUCATION
- 2 **WERONIKA KARAŚ**  
*Jan Długosz University in Częstochowa*  
STUDENT SATISFACTION WITH THEIR EDUCATIONAL CHOICE
- 3 **JULIA KLIMEK**  
*The Maria Grzegorzewska University*  
ROMANTIC RELATIONSHIPS OF PEOPLE WITH BORDERLINE PERSONALITY DISORDER
- 4 **JAGODA ORŁOWSKA**  
*Maria Grzegorzewska Academy of Special Education in Warsaw*  
POSITIVE PSYCHOLOGY – UNDERSTANDING THE SCIENCE OF HAPPINESS
- 5 **SARA PARTYKA**  
*Cracow University of Economics*  
CROWDFUNDING AS AN ALTERNATIVE SOURCE OF FINANCING FOR ENTERPRISES
- 6 **KINGA TOKARZ**  
*Cracow University of Economics*  
SHARING ECONOMY, HOW UBER AND AIRBNB ARE CHANGING THE GLOBAL ECONOMY?

## MEDICAL SCIENCES SESSION

### Presentations

- 1 **ANDRZEJ BAŁONIAK**  
*Poznań University of Medical Sciences*  
ADVANCES IN DIAGNOSIS AND CONSERVATIVE AND INTERVENTIONAL TREATMENT OF ORGANIC CAUSES OF LUMBOSACRAL SPINE PAIN
- 2 **OCEAN DUNAJEWSKI**  
*University of Bordeaux, France*  
IMPACT OF LOW DOSAGE CREATINE SUPPLEMENTATION ON BRAIN HEALTH (ENG)
- 3 **JOANNA HUK**  
*University of Opole*  
THE GUT MICROBIOME AND MENTAL HEALTH
- 4 **KACPER KAZIMIERCZUK**  
*University of Opole*  
IMPACT OF VOLCANIC ASH ON HUMAN HEALTH IN PARTICULARLY VULNERABLE AREAS
- 5 **KATARZYNA KOSZARSKA**  
*University of Rzeszów*  
TRAUMATIC BRAIN INJURY (TBI) – ENDOCRINE IMPLICATIONS



- 6 **JOANNA LODA**  
*Poznan University of Medical Sciences*  
CAUSES OF RED URINE
- 7 **JOANNA LODA**  
*Poznan University of Medical Sciences*  
HEAD INJURY IN CHILDREN
- 8 **JOANNA LODA**  
*Poznan University of Medical Sciences*  
VASCULAR ACCESS GUIDED BY ULTRASOUND
- 9 **SYLWIA OTULAK**  
*University of Opole*  
THE RELATION BETWEEN HIV INFECTION AND COGNITIVE IMPAIRMENT
- 10 **LESZEK POTOCKI**  
*University of Rzeszów*  
BIOLOGICAL CHARACTERISATION AND ENCAPSULATION OF BACTERIOPHAGES LYSING MULTI- DRUG RESISTANT KLEBSIELLA PNEUMONIAE (ENG)
- 11 **EWA STASZAK**  
*University of Opole*  
CHARACTERISTICS OF SOMNAMBULISM – ETIOLOGY, SYMPTOMS AND EFFECTS
- 12 **JAN STĘPKA**  
*Poznan University of Medical Sciences*  
ADVANCES IN DIAGNOSIS AND TREATMENT OF RENAL CELL CARCINOMA
- 13 **WERONIKA WITEK**  
*University of Opole*  
RESTLESS LEGS SYNDROME – ETIOLOGY, SYMPTOMS, TREATMENT

### Posters

- 1 **NATALIA MACIEJCZYK**  
*Maria Curie-Skłodowska University*  
THE ROLE OF CURCUMIN IN THE PREVENTION AND TREATMENT OF COLORECTAL CANCER
- 2 **JANINA RZESZOT**  
*Higher Vocational Education School*  
PHYSIOTHERAPY AND DRUGS, THE EFFECT OF DRUGS ON THE PATIENT DURING CLASSES WITH A PHYSIOTHERAPIST (ENG)
- 3 **ALEKSANDRA ŚLUSARCZYK**  
*Speech Therapy and Therapy Office Slow\_ik*  
EDUCATORS' AWARENESS OF THE FUNCTIONING OF A CHILD WITH SELECTIVE MUTISM IN THE PEER GROUP
- 4 **WIKTOR TROJANOWSKI**  
*University of Rzeszow*  
EFFECT OF CREATINE SUPPLEMENTATION ON HEALTH AND FUNCTIONING OF THE HUMAN BODY



## TECHNICAL AND NATURAL SCIENCES SESSION

### Presentations

- 1 **KACPER BOJANOWSKI**  
*Cracow University of Technology*  
THE APPLICATION OF ARTIFICIAL INTELLIGENCE IN COMBATING CLIMATE CHANGE (ENG)
- 2 **MONIKA KOPEĆ**  
*Lodz University of Technology*  
RAMAN IMAGING AND CHEMOMETRIC METHODS IN HUMAN NORMAL BRONCHIAL AND CANCER LUNG CELLS: RAMAN BIOMARKERS OF LIPID REPROGRAMMING (ENG)
- 3 **JULIA KORCZYK**  
*Jagiellonian University*  
PLASTIC- ECOLOGICAL PERSPECTIVE
- 4 **PAULINA KSIĄŻEK-TRELA**  
*University of Rzeszow*  
THE IMPACT OF NOVEL BACTERIAL STRAINS AND THEIR CONSORTIUM ON DIFLUFENICAN DEGRADATION IN THE MINERAL MEDIUM AND THE SOIL (ENG)
- 5 **KACPER LEWIKOWSKI**  
*University of Life Sciences in Lublin*  
USE OF NECROPHAGOUS FLIES IN ESTIMATING POST MORTEM INTERVAL (ENG)
- 6 **ALEKSANDRA MARUSZAK**  
*Fire University*  
CHARACTERISTICS OF SMOKE-PRODUCING PROPERTIES OF MATERIALS AND FIRE-RETARDANT AGENTS USED ON THE EXAMPLE OF MATERIALS USED IN CONSTRUCTION
- 7 **KLAUDIA SIEDLECKA**  
*University of Life Sciences in Lublin*  
TOXICOLOGICAL AND ENTOMOTOXICOLOGICAL ANALYSIS IN FORENSIC VETERINARY MEDICINE (ENG)
- 8 **MAGDALENA SŁOWIK-BOROWIEC**  
*University of Rzeszow*  
THE EFFECT OF BACILLUS SUBTILIS FERMENTATION ON THE FATTY ACIDS CONTENT IN SOME LEGUMES (ENG)
- 9 **EMILIA SOBCZAK**  
*Warsaw University of Life Sciences*  
THE STATE AND PROSPECT OF POLISH ORGANIC AGRICULTURE
- 10 **JAKUB STUGLIK**  
*Tymbark MWS Sp. z o.o.*  
OPTIMALIZATION OF THE BIOLOGICAL PROCESS OF WASTEWATER PURIFICATION, BY USAGE OF THE INNOVATIVE METHOD OF NEUTRALIZING PERACETIC ACID AND IMPROVING THE CONDITION OF THE BIOREACTOR ACTIVATED SLUDGE

### Posters

- 1 **JUSTYNA CZAJKA**  
*Bydgoszcz University of Science and Technology*  
PEROVSKITE QUANTUM DOTS IN OPTOELECTRONICS
- 2 **MAŁGORZATA GRUDZIEŃ-RAKOCZY**  
*Łukasiewicz Research Network-Kraków Institute of Technology*  
INFLUENCE OF SHORT-TERM PREHEATING ON THE MICROSTRUCTURE STABILITY OF THE CAST NI-BASED SUPERALLOYS (ENG)



- 3 **DARIA KOWALCZYK-CHRZĄSTOWSKA**  
*University of Wrocław*  
COMPARISON OF THE BIOREMEDIATION PROPERTIES OF COMMERCIALLY AVAILABLE BACTERIAL MIXTURES (ENG)
- 4 **ANTONI PAWŁOWICZ**  
*Gdańsk University of Technology*  
UNDERSTANDING THE MECHANISMS OF IONIC LIQUIDS' CORROSION INHIBITION
- 5 **KACPER SIWIAK**  
*University of Life Sciences in Lublin*  
GUT MICROBIOME OF DOGS AND CATS: A KEY TO HEALTH AND UNDERSTANDING GASTROINTESTINAL DISEASES (ENG)
- 6 **KACPER SIWIAK**  
*University of Life Sciences in Lublin*  
UNDERSTANDING PAIN IN ANIMALS: METHODS OF ASSESSMENT AND TREATMENT (ENG)
- 7 **PAWEŁ STRZĘPEK**  
*AGH University of Krakow*  
THE USE OF 3D SCANNING IN METALLURGY AND PRODUCTION ENGINEERING OF COPPER-MAGNESIUM ALLOYS (ENG)
- 8 **ALICJA SZOT**  
*University of Science in Lublin*  
HOW COMBINING DIFFERENT SCIENTIFIC DISCIPLINES CAN LEAD TO NEW DISCOVERIES? (ENG)
- 9 **MAŁGORZATA ZASADZIŃSKA**  
*AGH University of Krakow*  
HOT AND COLD METAL WORKING PROCESSES OF HIGH-STRENGTH COPPER-MAGNESIUM ALLOYS (ENG)