



Conference Schedule

HUMANITIES SCIENCES SESSION

On-line Presentations

- 09:50 – 10:00 **Opening the Session and discussing technical matters**
- 1 10:00 – 10:10 **SZYMON KRAJEWSKI**
(*University of Łódź*)
THE WAY HOW FINANCIAL PYRAMIDS WORK ON EXAMPLE OF POLISH FINANCIAL SCANDALS (ENG)
- 2 10:10 – 10:20 **KAROLINA LASKOWSKA**
(*Jagiellonian University in Krakow*)
DIGITAL MARKETING – BUILDING EFFECTIVE RELATIONSHIPS THROUGH EMAILS AND NEWSLETTERS (ENG)
- 3 10:20 – 10:30 **KAROLINA LASKOWSKA**
(*Jagiellonian University in Krakow*)
THE FUTURE OF MARKETING – VIRTUAL OPPORTUNITIES OF METAVERSE (ENG)
- 4 10:30 – 10:40 **OLENA MAKOHON**
(*Kazimierz Wielki University*)
SOCIAL HOUSING INITIATIVES AS AN INSTRUMENT OF THE STATE IN MEETING THE HOUSING NEEDS OF CITIZENS WITH A SPECIAL FOCUS ON THE KUYAVIAN-POMERANIAN REGION
- 5 10:40 – 10:50 **ADAM PODCZASKI**
(*Poznań University of Economics and Business*)
THE IMPACT OF SOCIAL EXCLUSION ON TRUST IN THE LEGAL SYSTEM
- 6 10:50 – 11:00 **JAKUB RYS**
(*Pedagogical University of Cracow*)
PLANTOID – STRUCTURE, FUNCTIONING AND USAGE OF SYNTHETIC PLANT
- 7 11:00 – 11:10 **MONIKA SARNAT**
(*Pedagogical University of Cracow*)
THE IMPACT OF NEUROFEEDBACK THERAPY ON EARLY SCHOOL CHILDREN WITH ADHD
- 8 11:10 – 11:20 **SZYMON STANKIEWICZ**
(*Jagiellonian University in Cracow*)
METHODS OF RESEARCHING THE SOCIAL DIMENSION OF HUMOR, ON THE EXAMPLE OF THE PUBLISHING HOUSE: "ZAMEK"

Presentations

- 1 **PATRYCJA BELTOWSKA**
(*University of Szczecin*)
SOCIALLY RESPONSIBLE INVESTMENT AND ITS APPLICATION FOR BUILDING AN ORGANISATION'S COMPETITIVE ADVANTAGE (ENG)
- 2 **MAREK BLACHA**
(*Jagiellonian University in Cracow*)
THE GREEN HOUSE. ADAM ZIEMIANIN IN THE WORK OF KRZYSZTOF MYSZKOWSKI



- 3 **ZUZANNA DOBOSZ**
(Pedagogical University of National Education Commission in Krakow)
THE JUDICIAL SYSTEM IN POLAND AND THE JUDICIAL SYSTEM IN ENGLAND – COMPARISON
- 4 **BARBARA FIJAK-RYCZEK**
(University of Bielsko-Biala)
METAPHORS IN POLITICAL DISCOURSE BASED ON THE SPANISH PARLIAMENTARY ELECTIONS
- 5 **PIOTR FRELKE**
(University of Silesia in Katowice)
BETWEEN COACHING AND PHILOSOPHY
- 6 **KATARZYNA GOYKE**
(University of Szczecin)
5 YEARS OF R&D TAX RELIEF IN POLAND
- 7 **ALBERT GUZIAK**
(University of Warsaw)
ANALYSIS OF EUROSCEPTICISM IN STATEMENTS OF POLITICAL LEADERS OF THE FRENCH RASSEMBLEMENT NATIONAL (FORMER FRONT NATIONAL) PARTY BETWEEN 2014-2019 (ENG)
- 8 **KINGA HANDZLIK**
(Jagiellonian University in Cracow)
MARKETING TECHNIQUE OF QUEERBAITING
- 9 **ELIZA ILLUKIEWICZ**
(Jagiellonian University in Cracow)
SELECTED ASPECTS OF THE QUALITY ASSESSMENT OF A WRITTEN TRANSLATION
- 10 **NATALIA JEŻEWSKA**
(University of Silesia in Katowice)
BIBLIOTHERAPY FOR PRESCHOOL CHILDREN
- 11 **NATALIA ŁANIECKA**
(Adam Mickiewicz University in Poznań)
TRANSLATION OF MOVIE/SERIES TITLES – TECHNIQUES AND EXAMPLES
- 12 **SZYMON MOCEK**
(University of Warmia and Mazury in Olsztyn)
HISTORY AND THE CONTEMPORARY FACE OF NATO
- 13 **SZYMON MOCEK**
(University of Warmia and Mazury)
COURT COSTS IN CIVIL CASES
- 14 **SZYMON MOCEK**
(University of Warmia and Mazury)
THREATS TO THE CIVILIAN POPULATION
- 15 **PAWEŁ OWCZARCZYK**
(The War Studies University)
MANAGING ARMAMENTS PROJECTS IN THE CURRENT ECONOMIC REALITY
- 16 **DOMINIK PEŁCZYŃSKI**
(Kazimierz Wielki University in Bydgoszcz)
THE ESSENCE OF REMOTE WORKING ON THE BASIS OF REMOTE WORKING ACTS
- 17 **DOMINIK PEŁCZYŃSKI**
(Kazimierz Wielki University in Bydgoszcz)
ANALYSIS AND PROBLEMS OF THE INSTITUTION OF THE STATE FISHING POLICE ON THE BASIS OF THE NIK AUDIT



- 18 **MACIEJ SŁONINA**
(Higher School of Management and Enterprise in Wałbrzych)
THE SUBJECT OF WAR IN CONVERSATIONS WITH CHILDREN
- 19 **SEBASTIAN STOKŁOSA**
(University of Silesia in Katowice)
AUTHOR'S CREATIVE FREEDOM IN SCIENTIFIC WORK
- 20 **MONIKA STRZELECKA**
(Catholic University of Lublin John Paul II)
DOMAIN SELF-EFFICACY BELIEF VS. NEED FOR ACHIEVEMENT AND PERSISTENCE IN EMERGING ADULTHOOD
- 21 **JUSTYNA SZYMCZYK**
(University of Bielsko-Biala)
AUDIOVISUAL TRANSLATION OF VISUAL AND VERBAL CULTUREMES BY THE EXAMPLE OF THE MOVIE "COCO"
- 22 **EWA WALICZEK**
(Malopolska State University)
DEMAND FOR LUXURY GOODS (ENG)
- 23 **WALERIA ZACHWATOWICZ**
(University of Warmia and Mazury in Olsztyn)
THE CONCEPT OF INTELLIGENCE, ITS TYPES AND IMPACT ON EVERYDAY LIFE

Posters

- 1 **MARTYNA HOŁOWATY**
(Cracow University of Economics)
IS THERE ANYTHING TO BE AFRAID OF? INTEREST RATES OVER THE YEARS AND THE ATTITUDES OF THE POLISH PEOPLE TOWARDS FORECASTS
- 2 **ŁUKASZ JANKOWSKI**
(The University of Lodz)
RESEARCH ON THE ELEMENTS INFLUENCING THE ATTRACTIVENESS OF THE WAREHOUSE SECTOR JOBS OFFER IN THE CONTEXT OF HUMAN RESOURCES MANAGEMENT OF THE ORGANIZATION
- 3 **NATALIA JEŻEWSKA**
(University of Silesia in Katowice)
ART TECHNIQUES IN WORKING WITH CHILDREN
- 4 **ALEKSANDRA SAWICKA**
(The Maria Grzegorzewska University)
ADULTS WITH AUTISM
- 5 **DARIA WRUKOWSKA**
(University of Szczecin)
THE WORLD OF NEW MEDIA AND THE ELDERLY

MEDICAL SCIENCES SESSION

On-line Presentations

- 09:50 – 10:00 **Opening the Session and discussing technical matters**
- 1 10:00 – 10:10 **ALEKSANDRA GWÓŹDŹ**
(Nicolaus Copernicus University Ludwik Rydygier Collegium Medicum in Bydgoszcz)
THE HUMAN MICROBIOME - CHARACTERISTICS AND THE ROLE



- 2 10:10 – 10:20 **KORNELIA KAŻMIERKIEWICZ**
(Nicolaus Copernicus University Ludwik Rydygier Collegium Medicum in Bydgoszcz)
CORRELATION BETWEEN TYPE 1 DIABETES AND EATING DISORDERS
- 3 10:20 – 10:30 **MAKSYMILIAN KĘDZIA, PAWEŁ KMIECIKOWSKI**
(Nicolaus Copernicus University Ludwik Rydygier Collegium Medicum in Bydgoszcz)
THE POTENTIAL ROLE OF THE GUT ECOSYSTEM IN THE FUTURE TREATMENT OF DISEASES
- 4 10:30 – 10:40 **PIOTR KONARZEWSKI**
(Nicolaus Copernicus University Ludwik Rydygier Collegium Medicum in Bydgoszcz)
HELICOBACTER PYLORI TREATMENT
- 5 10:40 – 10:50 **KLAUDIA SMULEWICZ**
(Nicolaus Copernicus University Ludwik Rydygier Collegium Medicum in Bydgoszcz)
POSSIBLE USES OF CURCUMIN IN MEDICINE
- 6 10:50 – 11:00 **MACIEJ SOKOŁOWSKI**
(Nicolaus Copernicus University Ludwik Rydygier Collegium Medicum in Bydgoszcz)
ANTERIOR CRUCIATE LIGAMENT RUPTURE AS ONE OF THE MOST COMMON ORTHOPEDIC COMPLAINTS
- 7 11:00 – 11:10 **WOJCIECH SOWIŃSKI**
(Medical University of Lublin)
CURRENT INSIGHTS INTO THE ASSOCIATION OF OBESITY AND UROLITHIASIS IN CHILDREN
- 8 11:10 – 11:20 **SZYMON WOJTASZEK**
(Nicolaus Copernicus University Ludwik Rydygier Collegium Medicum in Bydgoszcz)
THORACIC SYMPATHECTOMY AS A TREATMENT FOR UPPER LIMB HYPERHIDROSIS. REVIEW PAPER
- 9 11:20 – 11:30 **ALEKSANDRA ZIÓLKOWSKA**
(Nicolaus Copernicus University Ludwik Rydygier Collegium Medicum in Bydgoszcz)
CONGENITAL NASOLACRIMAL DUCT OBSTRUCTION. AN ARTICLE REVIEW

Presentations

- 1 **MARLENA BUDEK**
(Nicolaus Copernicus University Ludwik Rydygier Collegium Medicum in Bydgoszcz)
THE IMPORTANCE OF INTERLEUKIN 6 IN THE TUMOUR MICROENVIRONMENT
- 2 **MARLENA BUDEK**
(Nicolaus Copernicus University Ludwik Rydygier Collegium Medicum in Bydgoszcz)
VISFATIN, RESISTIN - ADIPOKINES LESS KNOWN, BUT LESS IMPORTANT?
- 3 **SANDRA CABAN**
(University of Opole)
ASSESSMENT OF COMMUNICATION COMPETENCES OF CHILDREN WITH ASPERGER SYNDROME – RESEARCH REPORT
- 4 **JOANNA CHALUPKA**
(Nicolaus Copernicus University Ludwik Rydygier Collegium Medicum in Bydgoszcz)
OPTIMIZATION OF CATALYTIC SYSTEMS IN THE OBTAINING OF (S) -1- (ISOPROPYLAMINO)-3-PHENOXY-2-PROPANOL (ENG)
- 5 **ALICJA CIEŚLIŃSKA**
(Nicolaus Copernicus University Ludwik Rydygier Collegium Medicum in Bydgoszcz)
IMPACT OF SMALL INTESTINAL BACTERIAL OVERGROWTH ON THE COURSE AND TREATMENT OF PARKINSON'S DISEASE



- 6 **KACPER DENISIUK**
(*Nicolaus Copernicus University Ludwik Rydygier Collegium Medicum in Bydgoszcz*)
THE EFFECT OF SUBSTANCES PRESENT IN HERBA HYPERICI IN THE TREATMENT OF MILD AND MODERATE DEPRESSION
- 7 **DOMINIK DROBEK**
(*Chair and Department of Epidemiology and Clinical Research Methodology*)
RTS, S VACCINATION AS A HOPE FOR CHILDREN IN AFRICA
- 8 **DARIUSZ DWORAK**
(*Nicolaus Copernicus University Ludwik Rydygier Collegium Medicum in Bydgoszcz*)
BODY-CONTROLLED VIDEO GAMES AND THEIR POSITIVE EFFECT ON HEALTH
- 9 **MAGDALENA DZIKOWIEC**
(*Medical University of Lodz, Poland*)
GASTRIC CANCER – ANALYSIS OF PTEN GENE EXPRESSION AND ITS REGULATORY MIRNA-21 (ENG)
- 10 **ALEKSANDRA GAŁUSZKA**
(*Medical University of Lublin*)
FORMS OF PHYSICAL ACTIVITY PLANNED FOR PEOPLE OVER 60 AND THEIR HEALTH BENEFITS
- 11 **MARTA HAŁAS-WIŚNIEWSKA**
(*Nicolaus Copernicus University Ludwik Rydygier Collegium Medicum in Bydgoszcz*)
THE EFFECT OF PIPERLONGUMINE ON T24 CELL LINE
- 12 **MAGDALENA IZDEBSKA**
(*Nicolaus Copernicus University Ludwik Rydygier Collegium Medicum in Bydgoszcz*)
SYNERGISTIC EFFECT OF A CYTOSTATIC AND A NATURAL COMPOUND ON BREAST CANCER CELLS
- 13 **NATALIA JANICKA**
(*Wroclaw Medical University*)
MODULATION OF MULTIDRUG RESISTANCE GENES EXPRESSION IN CANCER CELLS BY PHARMACOTHERAPY (ENG)
- 14 **NATALIA JANICKA**
(*Wroclaw Medical University*)
IMPACT OF CHEMOTHERAPY ON MODULATION OF CANCER CELL MEMBRANE ANTIGENS (ENG)
- 15 **OLIWIĄ KOTOWSKA**
(*Nicolaus Copernicus University Ludwik Rydygier Collegium Medicum in Bydgoszcz*)
IMPACT OF AIR POLLUTION ON SKIN AGING
- 16 **AGNIESZKA KULESZA**
(*Medical University of Warsaw*)
IBUPROFEN AFFECT INTERACTIONS BETWEEN MESENCHYMAL STROMAL CELLS AND MACROPHAGES
- 17 **BARTOSZ KULPA**
(*Nicolaus Copernicus University Ludwik Rydygier Collegium Medicum in Bydgoszcz*)
EFFECTS OF WITHANIA SOMNIFERA (ASHWAGANDHA) ON STRESS
- 18 **JULIA KUTEK**
(*University of Life Sciences in Lublin*)
DANDELION – USE IN COSMETICS (ENG)
- 19 **PAULINA LEWIŃSKA**
(*Nicolaus Copernicus University Ludwik Rydygier Collegium Medicum in Bydgoszcz*)
THE INFLUENCE OF VITAMINS C AND B IN ALZHEIMER'S DISEASE
- 20 **JAKUB MARTYŃSKI**
(*Poznań University of Medical Sciences*)
USAGE OF PERSONALIZED MEDICINE IN RHEUMATOLOGY



- 21 **BARTOSZ MAZUR**
(*Nicolaus Copernicus University Ludwik Rydygier Collegium Medicum in Bydgoszcz*)
EFFECT OF HYPERURICAEMIA ON THE NEUROLOGICAL STATUS OF PATIENTS
- 22 **BARTOSZ MAZUR**
(*Nicolaus Copernicus University Ludwik Rydygier Collegium Medicum in Bydgoszcz*)
THE IMPACT OF PHYSICAL ACTIVITY ON MUSCULOSKELETAL DISEASE IN OLDER PEOPLE
- 23 **JAN MILANOWSKI**
(*Nicolaus Copernicus University Ludwik Rydygier Collegium Medicum in Bydgoszcz*)
DEEP BRAIN STIMULATION IN PARKINSON'S DISEASE CAUSED BY MONOGENIC MUTATION
- 24 **JAN MILANOWSKI**
(*Nicolaus Copernicus University Ludwik Rydygier Collegium Medicum in Bydgoszcz*)
DEEP BRAIN STIMULATION IN DYSTONIA CAUSED BY A MONOGENIC MUTATION
- 25 **JOANNA MIOTK**
(*Academy of Applied Medical and Social Sciences*)
IRRITABLE BOWEL SYNDROME AS A MULTIFACTORIAL DISEASE
- 26 **SEBASTIAN NIEBRZYDOWSKI**
(*Nicolaus Copernicus University Ludwik Rydygier Collegium Medicum in Bydgoszcz*)
CLASCOTERONE – A TOPICAL ANDROGEN RECEPTOR INHIBITOR AS AN EFFECTIVE TREATMENT FOR ACNE VULGARIS
- 27 **SEBASTIAN NIEBRZYDOWSKI**
(*Nicolaus Copernicus University in Toruń Ludwik Rydygier Collegium Medicum in Bydgoszcz*)
GILBERT SYNDROME – ROLE OF BILIRUBIN IN THE PREVENTION OF CARDIOVASCULAR DISEASE
- 28 **KACPER NIEWĘGŁOWSKI**
(*Medical University of Lublin*)
VONOPRAZAN INSTEAD OF PPI – A NEW DRUG INHIBITING ACID SECRETION
- 29 **KACPER NIEWĘGŁOWSKI**
(*Medical University of Lublin*)
EFFECT OF WHEY PROTEIN SUPPLEMENTATION ON WEIGHT LOSS
- 30 **KACPER NIEWĘGŁOWSKI**
(*Medical University of Lublin*)
APPLICATION OF ARTIFICIAL INTELLIGENCE (AI) IN POLYP DETECTION IN COLONOSCOPY
- 31 **BLANKA NYCZ**
(*Medical University of Silesia*)
NEUROBIOLOGICAL BACKGROUND OF PSYCHOPATHY
- 32 **MAGDA ORZOLEK-SAWICKA**
(*University of Economy in Bydgoszcz*)
DEPRESSION – DISEASE OF CIVILIZATION OF THE 21ST CENTURY
- 33 **EDYTA OWSIANA**
(*Clinical Medicine Center Dimedical in Lodz*)
APPLICATION OF CFDNA ANALYSIS IN MOLECULAR ONCOLOGY (ENG)
- 34 **WIKTORIA OŻAROWSKA**
(*Jan Kochanowski University in Kielce*)
COCOA – CHARACTERISTICS, NUTRITIONAL VALUE AND IMPORTANCE FOR THE HUMAN BODY
- 35 **EWELINA RECZULSKA**
(*Nicolaus Copernicus University in Toruń, Ludwik Rydygier Collegium Medicum in Bydgoszcz*)
THE USE OF CAFFEINE IN NEONATOLOGY



- 36 **RICHARD SARPONG**
(*West Pomeranian University of Technology in Szczecin*)
ORGANOGELES AS NOVEL VEHICLES OF ACTIVE SUBSTANCES BASED ON LECITHIN (ENG)
- 37 **RENATA SEROKA**
(*Mieszko I School of Applied Sciences in Poznan*)
THE ROLE OF HUMAN PAPILLOMAVIRUS IN CERVICAL CANCER
- 38 **NATALIA SEKARA-DONIEC**
(*Synevo Sp. z o.o.*)
LABORATORY TESTS ANALYSIS OF URINE SEDIMENT
- 39 **NATALIA SEKARA-DONIEC**
(*Synevo Sp. z o.o.*)
UNIVERSAL APPLICATION OF FLOW CYTOMETRY
- 40 **KATARZYNA SNOCH**
(*Jan Kochanowski University in Kielce*)
THE NORDIC DIET AND ITS HEALTH BENEFITS
- 41 **KAMILA SOBCZAK**
(*Nicolaus Copernicus University in Toruń Ludwik Rydygier Collegium Medicum in Bydgoszcz*)
THE IMPACT OF CHESS PLAYING ON THE COGNITIVE ABILITIES AND BRAIN FUNCTIONING
- 42 **MARTA SZEPIETOWSKA**
(*Wrocław Medical University*)
BRACHIORADIAL ITCH (ENG)
- 43 **MACIEJ SZOTA**
(*Scientific Circle of Geriatrics*)
TREATMENT OF ATOPIC DERMATITIS, NEW PERSPECTIVES
- 44 **MACIEJ SZOTA**
(*Scientific Circle of Geriatrics*)
CHEMSEX WITH AN EMPHASIS ON POPPERS
- 45 **EWELINA WĘDROWSKA**
(*Nicolaus Copernicus University in Toruń*)
B-TYPE NATRIURETIC PEPTIDE (BNP) REFERENCE VALUES – PRELIMINARY ASSESSMENT IN HEALTHY SUBJECTS
- 46 **EWELINA WĘDROWSKA**
(*Nicolaus Copernicus University in Toruń*)
PERSPECTIVES OF ANTIVIRAL THERAPY PERSONALIZATION IN HCV – INFECTED PATIENTS BASED ON SNPS GENOTYPING
- 47 **ANETA ZAJĄC**
(*Synevo Kraków*)
HEMOLYTIC DISEASE OF THE NEWBORN – BLOOD TREATMENT
- 48 **WIOLETTA ZIELIŃSKA**
(*Nicolaus Copernicus University in Toruń Ludwik Rydygier Collegium Medicum in Bydgoszcz*)
SYNERGISTIC EFFECT OF 5-FLUOROURACIL AND OXYMATRINE ON MIGRATION AND SURVIVAL OF NON-SMALL CELL LUNG CANCER CELLS
- 49 **JULIA ZIELIŃSKA**
(*Nicolaus Copernicus University in Toruń Ludwik Rydygier Collegium Medicum in Bydgoszcz*)
VITAMIN D IN HASHIMOTO'S THYROIDITIS
- 50 **JULIA ZIELIŃSKA**
(*Nicolaus Copernicus University in Toruń Ludwik Rydygier Collegium Medicum in Bydgoszcz*)
HEPCIDIN IN ANEMIA ASSOCIATED WITH CHRONIC RENAL FAILURE



- 51 **BARBARA ZYŚK**
(Nicolaus Copernicus University in Toruń Ludwik Rydygier Collegium Medicum in Bydgoszcz)
VITAMIN C,E AND MELATONIN IN THE TREATMENT OF ENDOMETRIOSIS
- 52 **BARBARA ZYŚK**
(Nicolaus Copernicus University in Toruń Ludwik Rydygier Collegium Medicum in Bydgoszcz)
ROLE OF OXIDATIVE STRESS IN FEMALE REPRODUCTION

Posters

- 1 **WIKTORIA BUGAJSKA**
(Cardinal Stefan Wyszyński University in Warsaw)
MOLECULAR MECHANISMS OF AGING
- 2 **KATARZYNA GDULA**
(Maria Curie-Skłodowska University)
ABC FAMILY PROTEINS IN MULTIDRUG RESISTANCE OF CANCERS
- 3 **ALEKSANDRA GOLONKA**
(Jagiellonian University)
NUTRITIONAL PREVENTION OF ALZHEIMER'S DISEASE
- 4 **ZUZANNA KAŁA**
(Wrocław Medical University)
THE CREDIBILITY OF MOUSE MODELS IN HUMAN DISEASE RESEARCH
- 5 **ZUZANNA KAŁA**
(Wrocław Medical University)
THE ROLE OF DIET AND GUT MICROBIOTA IN PARKINSON'S DISEASE
- 6 **EWELINA KOLAŃSKA-DAMS**
(Nicolaus Copernicus University in Toruń Ludwik Rydygier Collegium Medicum in Bydgoszcz)
THE USE OF THROMBOELASTOMETRY IN THE ANALYSIS OF UMBILICAL CORD BLOOD IN FULL-TERM
- 7 **JOANNA KUBICA**
(Pomeranian Medical University in Szczecin)
THE PROCESS OF MACROPHAGE EFFEROCYTOSIS IN ATHEROSCLEROSIS (ENG)
- 8 **DIANA MARTONIK**
(Medical University of Białystok)
EFFECT OF TREATMENT ON IMMUNE RESPONSE OF PATIENTS WITH COVID-19
- 9 **ALEKSANDRA PAWSKA**
(Poznań University of Medical Science)
AZA-BODIPY WITH BULKY PROXIMAL SUBSTITUENTS – SYNTHESIS AND PHOTOCHEMICAL PROPERTIES
- 10 **KRZYSZTOF POCIECHA**
(Jagiellonian University Medical College)
DEVELOPMENT OF A METHOD FOR THE DISSOCIATION RATE DETERMINATION OF A PHOSPHODIESTERASE 8A-INHIBITOR COMPLEX
- 11 **GRZEGORZ ZIELIŃSKI**
(Institute of Biotechnology and Molecular Medicine)
RAPID TEST TO DIFFERENTIATE INFECTION WITH INFLUENZA A AND B VIRUSES AND SARS-COV-2 VIRUS USING THE ISOTHERMAL AMPLIFICATION REACTION (ENG)
- 12 **GRZEGORZ ZIELIŃSKI**
(Geneme Sp. z o.o.)
DEVELOPMENT OF A FAST GENETIC PROFILING SYSTEM FOR CRIMINALISTICS – FORENSNP (ENG)



TECHNICAL AND NATURAL SCIENCES SESSION

On-line Presentations

- 11:50 – 12:00 **Opening the Session and discussing technical matters**
- 1 12:00 – 12:10 **MAGDALENA BALIK**
(Lodz University of Technology)
PRODUCTION OF MODERN ANODES FOR LI-ION CELLS BASED ON GRAPHENE MATERIALS
DOPED WITH FLUORINE ATOMS
- 2 12:10 – 12:20 **PAWEŁ MARZEC**
(Silesian University of Technology)
TESTS OF A SI ENGINE POWERED BY A MIXTURE OF LPG + DME GASEOUS FUELS OF
VARIOUS PROPORTIONS, UNDER VARIABLE LOAD
- 3 12:20 – 12:30 **KATARZYNA MAZUREK**
(University of Life Sciences in Lublin)
ENDEMIC FOREST ECOSYSTEM FOUND IN POLAND – BIAŁOWIEŻA FOREST
- 4 12:30 – 12:40 **KACPER PLANTOWSKI**
(Bydgoszcz University of Science and Technology)
TREE GENETIC ENGINEERING AND APPLICATIONS TO FORESTRY. TREE GENETIC
ENGINEERING IN POLAND
- 5 12:40 – 12:50 **ANNA ZIAJA, PAWEŁ SZCZYGŁOWSKI**
(Ignacy Łukasiewicz Rzeszów University of Technology)
NATURAL INSPIRATIONS IN AVIATION ENGINEERING

Presentations

- 1 **ALEKSANDRA BOJDA**
(University of Warmia and Mazury in Olsztyn)
PHAGOCYTOSIS
- 2 **KAMIL DZIEDZIC**
(Cracow University of Technology)
STRATOSPHERIC PROBES – SOURCES OF IMPORTANT INFORMATION
- 3 **TOMASZ FILIPIUK**
(Military University of Technology)
THE PROBLEM OF STORING LIQUID FUELS
- 4 **GRZEGORZ GÓRA**
(Cracow University of Technology)
LIGHT POLLUTION
- 5 **SANDRA GRABA**
(Maria Curie-Skłodowska University in Lublin)
MELITTIN, THE BIOACTIVE COMPONENT OF HONEYBEE VENOM: ANTICANCER, ANTI-INFLAMMATORY,
ANTIMICROBIAL PROPERTIES. THERAPEUTIC APPLICATION
- 6 **ALICJA GRABARZ**
(University of Rzeszow)
ECO-DEVELOPMENT – A CHANCE FOR THE FUTURE
- 7 **LUCJA IGNAC**
(Rzeszów University of Technology Ignacy Łukasiewicz)
THE USE OF THE UNIAXIAL TENSILE TEST IN THE TESTS OF STRESSES AND DEFORMATIONS OF JOINTS
MADE ON ALUMINUM ALLOYS AND MAGNESIUM ALLOY – ANALYSIS OF USE IN THE AVIATION
INDUSTRY



- 8 **DOMINIKA KARASIEWICZ**
(Bydgoszcz University of Science and Technology)
THE IMPORTANCE OF WARM-UP AND COOL DOWN IN TRAINING SPORTS DOGS
- 9 **ANNA AGNIESZKA KLIMCZAK-BITNER**
(Medical University of Lodz)
A POSSIBLE CONNECTION BETWEEN INCIDENCE OF THE SERPINE1 RS1799889 (-675; 4G/5G) POLYMORPHISM AND THE RISK OF ESOPHAGEAL CANCERS IN THE POLISH POPULATION (ENG)
- 10 **ADRIANNA MUSIAŁ**
(Cracow University of Technology)
THE ROLE OF GREEN SPACES IN THE URBAN TISSUE AND THEIR IMPACT ON THE QUALITY OF LIFE OF RESIDENTS
- 11 **PAWEŁ PATER**
(PPiR GOSTER)
TESTING RESULTS OF VARIOUS MATERIALS ON A SCREEN WITH A GEARLESS EXCITER
- 12 **TOMASZ PAWŁOWICZ**
(Białystok University of Technology)
THE DIVERSITY OF ENTOMOPATHOGENIC FUNGI AND THEIR ROLE IN FOREST PROTECTION
- 13 **ŁUKASZ PIETRASZEK**
(Warsaw University of Technology)
CYBER-ATTACKS WITH CRYPTOJACKING
- 14 **WERONIKA SŁOTA**
(Jagiellonian University and Agriculture University)
POISONOUS HOUSEPLANTS FOR DOGS AND CATS
- 15 **ANNA ŚLĘK**
(University of Rzeszów)
OXYTREE – THE TREE OF THE FUTURE
- 16 **MARCIN ZAGRODZKI**
(Cracow University of Technology)
THE USE OF ARTIFICIAL INTELLIGENCE IN IMAGE ANALYSIS

Posters

- 1 **DANIEL BIGUS**
(Institute of Biotechnology and Molecular Medicine)
INNOVATIVE, FAST AND CHEAP DIAGNOSTICS TEST BACTERIAL VAGINAL INFECTION
- 2 **BARTŁOMIEJ DEC**
(UROSCAN Sp. z o. o.)
BLADDERDX INNOVATIVE MULTISENSORIC DEVICE FOR DETECTION OF BLADDER CANCER (ENG)
- 3 **ANNA FENYK**
(University of Lodz)
MAGNETORHEOLOGICAL MATERIALS, PRODUCTION, PROPERTIES AND THEIR PRACTICAL APPLICATION
- 4 **KATARZYNA JASIŃSKA**
(Warsaw University of Technology)
PREFERENCES OF THE USERS OF UNDERGROUND METRO STATIONS BASED ON HIERARCHICAL CLUSTER ANALYSIS: CASE STUDY OF WARSAW, POLAND



- 5 **KORNEL KLUBA**
(*Cracow University of Technology*)
SHAPING ARCHITECTURE AND ITS SURROUNDINGS FOR THE NEEDS OF PEOPLE WITH INTELLECTUAL DISABILITIES
- 6 **JAKUB KORNAGA**
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