



Conference Schedule

HUMANITIES SCIENCES SESSION

On-line Presentations

- 09:50 – 10:00 **Opening the Session and discussing technical matters**
- 1 10:00 – 10:10 **MACIEJ PROKOP**
University of Rzeszow
COMPARATIVE ANALYSIS OF THE LINGUISTIC AND STRUCTURAL ASPECT OF THE INTERNET PORTAL "PUDELEK.PL" AND "ONET.PL"
- 2 10:10 – 10:20 **MARIA RADKOWSKA**
Warsaw University
TIKTOK SOCIAL NETWORKING PLATFORM AND ITS INFLUENCE ON GENERATION Z USERS
- 3 10:20 – 10:30 **ESTERA SIKORSKA**
Adam Mickiewicz University
ARAB FEMINISTS' VIEWS ON THE HIJAB

Presentations

- 1 **KLAUDIA CICHALSKA**
Poznań University of Economics and Business
WORK LIFE BALANCE IN THE DAILY LIVES OF GENERATION Y AND Z
- 2 **ZUZANNA DOBOSZ**
Pedagogical University of the National Education Commission
SOCIAL EXCLUSION AS A CRIMINOLOGICAL CONCEPT
- 3 **PIOTR FRELKE**
University of Silesia in Katowice
BETWEEN BUDDHISM AND PSYCHOLOGY
- 4 **WERONIKA GRALAK**
Poznań University of Economics and Business
INFLUENCE OF THE PANDEMIC ON THE AWARENESS OF HAND HYGIENE AMONG FOOD INDUSTRY EMPLOYEES
- 5 **KORNELIA KORDIAK**
University of Wrocław
THE AUTHORITY OF A MODERN TEACHER IN THE OPINION OF SELECTED SOCIAL GROUPS
- 6 **NATALIA ŁANIECKA**
Adam Mickiewicz University in Poznań
THE TRANSLATION OF CHILDREN'S LITERATURE IN REFERENCE TO "WINNIE THE POOH" BY A.A.MILNE AND ITS POLISH TRANSLATIONS
- 7 **MIKOŁAJ MAJ**
Adam Mickiewicz University in Poznań
GEOGRAPHICAL NAMES IN BOTANICAL NOMENCLATURE
- 8 **KATARZYNA MICHALSKA**
Poznań University of Economics and Business
SUSTAINABILITY TRENDS OF POLISH CONSUMERS IN FOOD PURCHASING – COMPARISON WITH GERMAN AND BRITISH CONSUMERS (ENG)
- 9 **WERONIKA ONYŚKO**
University of Economics in Poznań
CUSTOMER NEEDS DURING MAKING PURCHASING DECISIONS (ENG)



- 10 **JAKUB PABIAN**
University of Warmia and Mazury in Olsztyn
SOCIAL TEACHING OF POPE FRANCIS IN ENCYCLICALS LAUDATO SI' AND FRATELLI TUTTI
- 11 **MAGDALENA SIKORSKA-PASTUSZKA**
Cracow University of Economics
ECONOMIC ASPECTS OF NUCLEAR ENERGY
- 12 **ANNA SZEWCZYKOWSKA**
Jan Długosz University in Częstochowa
SEARCH FOR THE "ARTISTIC COMPASS". IN THE FOOTSTEPS OF TADEUSZ ZIELIŃSKI (1859-1944)
- 13 **KATARZYNA SZUPER**
Maria Curie-Skłodowska University in Lublin
WOMEN'S ENTREPRENEURSHIP, THEIR IMPACT ON INNOVATION AND FIRM PERFORMANCE
- 14 **ALICJA TERELAK**
Nicolaus Copernicus University
RUSSIA-THE WEST: REFLECTIONS ON GEOPOLITICAL AND MENTAL LEVEL RELATIONS AND THE GAZPROM CASE
- 15 **ALICJA TERELAK**
Nicolaus Copernicus University
ECO-PHILOSOPHY IN THE FACE OF ANIMAL SUFFERING
- 16 **ARTHUR S. LASKOWSKI**
University in Białystok
GENERATION Z: ENGLISH AS A SECOND LANGUAGE PRACTITIONER'S, QUICK, GUIDE TO LEARNING WITHIN FORMAL EDUCATION SETTINGS (ENG)

Posters

- 1 **ALEKSANDRA DRYGAŁA**
Jagiellonian University
THE IMPACT OF THE COVID-19 PANDEMIC ON THE INTEREST RATES IN POLAND
- 2 **MATEUSZ KREKORA**
Cracow University of Economics
PUBLIC FINANCE FROM THE PERSPECTIVE OF THE BUCHANAN'S PUBLIC CHOICE THEORY (ENG)
- 3 **ANGELIKA LENART**
The John Paul II Catholic University of Lublin
THEORY OF MIND
- 4 **JAN MACHEJEK**
Cracow University of Economics
FISCAL ILLUSIONS AS A PSYCHOLOGICAL MEANS OF INFLUENCING PERCEPTIONS OF TAX JUSTICE (ENG)
- 5 **JAN MACHEJEK**
Cracow University of Economics
PSYCHOLOGICAL AND CULTURAL FACTORS IN EMOTIONAL INVESTMENT DECISIONS USING THE ART MARKET AS AN EXAMPLE (ENG)
- 6 **MACIEJ SŁONINA**
Higher School of Management and Enterprise in Walbrzych
IDENTITY OF THE EUROVISION SONG CONTEST – BETWEEN KITSCH AND A MEDIA EVENT
- 7 **KAROLINA SZYMANIAK**
John Paul II Catholic University of Lublin
SUMMER AS A SPECIAL TIME FOR THE INTEGRAL DEVELOPMENT AND UPBRINGING OF A CHILD BY A PARENT



TECHNICAL AND NATURAL SCIENCES SESSION

On-line Presentations

- 10:50 – 11:00 **Opening the Session and discussing technical matters**
- 1 11:00 – 11:10 **ŁUKASZ BOHDAL**
Politechnika Koszalińska
EXPERIMENTAL RESEARCHES OF THE LABELS CUTTING PROCESS USED IN PACKAGING IN THE FOOD INDUSTRY USING AN ULTRAVIOLET LASER
- 2 11:10 – 11:20 **JUSTYNA CIEĆKO**
University of Life Sciences in Lublin
USE OF BEE POLLEN AS A COSMETIC RAW MATERIAL – EVALUATION OF ORGANOLEPTIC PROPERTIES OF A MOISTURISING SERUM WITH BEE POLLEN
- 3 11:20 – 11:30 **ANETA LIPKIEWICZ**
PROGRESS Piotr Przybysz
APPLICATION OF HERBAL EXTRACTS OBTAINED BY THE SUPERCRITICAL CARBON DIOXIDE (CO₂) EXTRACTION METHOD FOR NATURAL ICE CREAM
- 4 11:30 – 11:40 **EWELINA GODEK**
Maria Curie-Skłodowska University in Lublin
THE INFLUENCE OF TEMPERATURE ON STABILITY OF AQUEOUS SUSPENSIONS OF POLYETHYLENIMINE AND SEPIOLITE
- 5 11:40 – 11:50 **DOMINIKA GÓRNIOWICZ**
Military University of Technology in Warsaw
RESEARCH ON THE MECHANICAL PROPERTIES OF HIGH-ENTROPY ALLOYS TITANIUM BASED
- 6 11:50 – 12:00 **MARCIN HŁAWKA**
Kaczmarek Group
THE USE OF MACHINE LEARNING FOR ASSESSMENT OF THE CURRENT AND FUTURE CREDIBILITY AND SOLVENCY OF BUSINESS ENTITIES BASED ON LARGE, DISTRIBUTED DATA SOURCES
- 7 12:00 – 12:10 **MATEUSZ KOSYL**
INTUSEAL Sp. z o.o., ul. Kineskopowa 1, 05-500 Piaseczno
MODERN HYBRID THERMOPLASTIC MATERIALS FOR PASSIVE FIRE PROTECTION WITH A DETECTION SYSTEM
- 8 12:10 – 12:20 **KINGA KRUŻEL**
Cracow University of Technology
COMPOSITE MATERIALS BASED OF BIOPOLIAMIDES AND NANOCELLULOSE FOR APPLICATIONS IN BIOETHANOL FUEL SYSTEMS - INFLUENCE OF CONDITIONING ON THE STRUCTURE AND THERMOMECHANICAL PROPERTIES.
- 9 12:20 – 12:30 **MARIUSZ KSIĘŻYK**
OKANE SP. J.
FPGA ACCELERATOR FOR COMPUTATIONAL FLUID DYNAMICS
- 12:30 – 12:40 **Coffee Break**
- 10 12:40 – 12:50 **SZYMON SZCZEPANIK**
Lodz University of Technology
MODIFICATION OF BIOPOLYMERS BASED ON FIBRILLAR PROTEINS USING THE ALKALIZATION PROCESS
- 11 12:50 – 13:00 **MARTA PAJERCZAK**
Warsaw University of Technology
THE VICARIOUS NUCLEOPHILIC SUBSTITUTION (VNS) AS THE REACTION TO SYNTHESIS OF NITRO-/HALO-PORPHYRIN DERIVATIVES AND THE USE OF THE PRODUCTS IN PHOTODYNAMIC ANTICANCER THERAPY



- 12 13:00 – 13:10 **DOMINIKA PARASIŃSKA**
University of Gdansk
APPLICATION OF ELECTROCHEMICAL METHODS TO REMOVE DRUG RESIDUES FROM WATER
- 13 13:10 – 13:20 **ŁUKASZ PIETRASZEK**
Warsaw University of Technology
KEEP YOUR BUSINESS SAFE – BASIC ASPECTS OF CYBERSECURITY
- 14 13:20 – 13:30 **PAWEŁ PÓLTORAK**
West Pomeranian University of Technology in Szczecin
BACTERIAL CELLULOSE AS A ALTERNATIVE MEDIUM FOR PLANT IN VITRO TISSUE CULTURES
- 15 13:30 – 13:40 **MARTA ROMANIEC**
Wroclaw University of Science and Technology
ELECTROCHEMICAL IMMUNOSENSOR BASED ON GRAPHENE NANOCOMPOSITE FOR SELECTIVE THYROID HORMONE DETERMINATION
- 16 13:40 – 13:50 **KLAUDIA SNOPEK**
West Pomeranian University of Technology in Szczecin
PREPARATION AND CHARACTERIZATION OF BACTERIAL CELLULOSE-BASED TABLETS AS A CARRIER FOR AN ORAL ANTIBIOTIC DELIVERY SYSTEM
- 17 13:50 – 14:00 **ZUZANNA STAWICKA**
Jagiellonian University
REWARD SYSTEM AND DEPRESSIVE DISORDERS
- 18 14:00 – 14:10 **KAROLINA ZAWADZIŃSKA**
Cracow University of Technology
ACETONITRILE N-OXIDE VERSUS BENZONITRILE N-OXIDE AS TAC IN [3+2] CYCLOADDITION WITH CONJUGATED NITROALKENES

Presentations

- 1 **AGATA BURSKA**
University of Warmia and Mazury in Olsztyn
CATABOLISM OF PURINES AND PYRIMIDINES
- 2 **AGATA BURSKA**
University of Warmia and Mazury in Olsztyn
REGULATION OF MUSCLE TONE AND BODY POSTURE
- 3 **AGATA BURSKA**
University of Warmia and Mazury in Olsztyn
APOPTOSIS AND NECROSIS
- 4 **RAFAL GRZEJDA**
West Pomeranian University of Technology in Szczecin
CONCEPT OF AN INNOVATIVE PLASMA SYSTEM FOR HOLE-CUTTING IN LINEAR PROFILES
- 5 **JAKUB JASIAK**
University of Warmia and Mazury
THE EFFECT OF LOW ZEARALENONE DIET CONCENTRATION ON CHANGES IN ACTIVITY OF ASPARTATE AMINOTRANSFERASE AND ALANINE AMINOTRANSFERASE IN GILTS' SMALL INTESTINAL LYMPHOID TISSUE
- 6 **DOMINIKA KARASIEWICZ**
Bydgoszcz University of Science and Technology
METHODS OF WORKING WITH THE PATIENT IN A ZOOPHYSIOTHERAPEUTIC PRACTICE
- 7 **MIKOŁAJ MAJ**
Adam Mickiewicz University in Poznań
MUTUAL REGULATION BETWEEN EPIGENETIC MODIFICATIONS AND THE CIRCADIAN CLOCK AND CANCER DEVELOPMENT



- 8 **EWA MICHNIAK**
"Young Urban Planning" Science Club
BENEFITS RESULTING FROM THE USE OF TENSILE STRUCTURES AND THEIR IMPORTANCE FOR THE FUTURE OF ARCHITECTURE
- 9 **ADRIANNA MUSIAŁ**
Cracow University of Technology
IMPACT OF ADAPTATION OF THE STRUCTURE AND PRINCIPLES OF ORGANISMS ON THE DESIGN OF PUBLIC SPACES. THE APPLICATION OF BIONIC ENGINEERING IN ARCHITECTURE IN A SUSTAINABLE ENVIRONMENT WITH EXAMPLES OF GLOBAL BUILDINGS
- 10 **PAWEŁ PATER**
PPiR GOSTER
TESTING RESULTS OF VARIOUS MATERIALS ON A SCREEN WITH A GEARLESS EXCITER
- 11 **AGATA PRĄTNICKA**
University of Warmia and Mazury in Olsztyn
CARE FOR CHICKS OF BIRDS OF PREY IN THEIR FIRST DAYS OF LIFE
- 12 **JULIA SŁOWIKOWSKA**
Cracow University of Technology
LORAWAN COMMUNICATION PROTOCOL USED IN STRATOSPHERIC BALOONS
- 13 **EWELINA SOBSTYL**
University of M. Curie-Skłodowska
THIN-LAYER CHROMATOGRAPHY AND EFFECT-DIRECTED ANALYSIS OF SCHISANDRA CHINENSIS FRUIT AND SUPPLEMENTS EXTRACTS
- 14 **PATRYK WŁODARCZYK**
Cracow University of Technology
AMPHIBIOUS ARCHITECTURE AS A RESPONSE TO CLIMATE CHANGES
- 15 **MARCIN ZAGRODZKI**
Cracow University of Technology
APPLICATION OF CONVOLUTIONAL NETWORKS FOR IMAGE ANALYSIS
- 16 **FILIP ZYGA**
Cracow University of Technology
HABSAT – EXPERIMENTAL PLATFORM FOR EXPLORING THE STRATOSPHERE
- 17 **RICHARD SARPONG**
Pomeranian University of Technology, Szczecin
ESTERS OF NATURAL ORIGIN: SYNTHESIS, CHARACTERIZATION AND BIOLOGICAL ACTIVITY (ENG)

Posters

- 1 **JESSICA CATAPANO**
Jagiellonian University in Kraków
EFFECT OF DOCETAXEL-RESISTANCE ON THE REACTIVITY OF PROSTATE CANCER CELLS TO METFORMIN (ENG)
- 2 **OSKAR KAMIŃSKI**
Adam Mickiewicz University in Poznań
CORAL REEF BLEACHING AS A GLOBAL PROBLEM
- 3 **KORNEL KLUBA**
Cracow University of Technology
THE THEORY OF NEW URBANISM AS A METHOD OF CREATING AND SUPPLEMENTING THE URBAN FABRIC OF MODERN CITIES
- 4 **NATALIA MACIEJCZYK**
Maria Curie-Skłodowska University
THE BIOTECHNOLOGICAL POTENTIAL OF PSYCHROPHILES



- 5 **MAGDALENA MALEPSZA**
West Pomeranian University of Technology
 EFFECT OF POLYMORPHISMS IN EXON 8 OF THE PPARGC1A GENE ON MILK PRODUCTION TRAITS IN CATTLE (ENG)
- 6 **ALEKSANDRA OLSZACKA**
University of Lodz
 OXIDATION AND ELECTROPHILIC SUBSTITUTION REACTIONS IN THE 2,7-DIAMANTYLPYRENE SYSTEM
- 7 **ANNA ORNATOWSKA**
Lodz University of Technology
 ANALYSIS OF THE POTENTIAL TOXICITY OF DETONATION NANODIAMONDS AND THEIR STABILITY IN AQUEOUS SOLUTIONS
- 8 **RAFAŁ OWCZARCZAK**
Wroclaw University of Science and Technology; KMB Grupa Sp. z o.o. sp. k
 HEAT LOSS THROUGH WINDOWS - IS IT POSSIBLE TO CONVERT IT TO ELECTRICITY?
- 9 **MARCIN WIŚNIEWSKI**
University of Science and Technology
 EFFECT OF TITANIUM CONTENT OF AL-TI COATINGS APPLIED BY LOW-PRESSURE COLD SPRAY METHOD ON THE ANISOTROPY OF COATING

MEDICAL SCIENCES SESSION

On-line Presentations

- 9:50 – 10:00 **Opening the Session and discussing technical matters**
- 1 10:00 – 10:10 **MICHALINA BANASZAK**
Poznan University of Medical Sciences
 NON-PHARMACOLOGICAL TREATMENTS FOR INSULIN RESISTANCE – THE IMPACT OF PLANT-BASED DIETS
- 2 10:10 – 10:20 **DOMINIKA GONDEK**
Nicolaus Copernicus University, Ludwik Rydygier Collegium Medicum in Bydgoszcz
 TOKOPHOBIA - PATHOLOGICAL FEAR OF PREGNANCY AND CHILDBIRTH
- 3 10:20 – 10:30 **JUSTYNA GROCHAŁA**
Jagiellonian University Medical College
 ELECTRONIC STETHOSCOPE AS A POWERFUL DIAGNOSTIC DEVICE IN SCREENING TEMPOROMANDIBULAR JOINT EXAMINATION
- 4 10:30 – 10:40 **BARTŁOMIEJ JANKOWSKI**
University of Physical Education and Sport in Gdansk:
 AEROBIC FITNESS OF CHILDREN AFTER SURGICAL TREATMENT OF CONGENITAL CARDIAC DEFECTS
- 5 10:40 – 10:50 **BARTOSZ KULPA**
Nicolaus Copernicus University in Toruń, Collegium Medicum in Bydgoszcz
 ASSESSMENT OF THE RISK AND THE PREVENTION OF RECURRENCE OF HEPATOCELLULAR CARCINOMA IN PATIENTS AFTER LIVER TRANSPLANTATION
- 6 10:50 – 11:00 **ILONA LEŚNIEWSKA**
Medical University of Lublin, (Poland)
 ROLE OF VIRAL INFECTION IN NEURODEGENERATIVE DISORDERS
- 7 11:00 – 11:10 **MACIEJ MICHAŁOWSKI**
Nicolaus Copernicus University Ludwik Rydygier Collegium Medicum in Bydgoszcz
 PSILOCYBIN AND ITS USE IN MEDICINE – REVIEW OF THE LATEST SCIENTIFIC LITERATURE



- 8 11:10 – 11:20 **WIOLETTA NIEŚCIOR**
Collegium Medicum im. Ludwika Rydygiera in Bydgoszcz University Nicolaus Copernicus in Toruń
SYNAPTIC PLASTICITY – THE BASIS OF MEMORY CONSOLIDATION PROCESSES?
- 9 11:20 – 11:30 **DAMIAN PORĘBA**
State University of Applied Sciences in Nowy Sącz
WHAT IS THE HEALTH CONDITION OF ESPORTS PLAYERS?
- 11:30 – 11:40 **Coffee Break**
- 10 11:40 – 11:50 **NATALIA RUTKOWSKA**
Jagiellonian University
THE EFFECT OF FENOFIBRATE ON THE SENSITIVITY OF AT-2 PROSTATE CANCER CELLS TO DOCETAXEL (ENG)
- 11 11:50 – 12:00 **SYLWIA SAMOJEDNY**
Medical College of Rzeszow University
THE ROLE OF FERROPTOSIS IN THE ETIOPATHOGENESIS AND THERAPY OF ALZHEIMER'S DISEASE
- 12 12:00 – 12:10 **KACPER SMOLIŃSKI**
Medical University of Lublin
CLOSTRIDIODES DIFFICILE INFECTION – WHAT DO WE KNOW AND HOW DO WE DEAL WITH IT? (ENG)
- 13 12:10 – 12:20 **DARIA STEFANIAK**
Medical University of Lublin
CLINICAL MANIFESTATION OF MALASSEZIA SPP. INFECTION ON THE SKIN- HOW TO DIAGNOSE AND TREAT
- 14 12:20 – 12:30 **WERONIKA ZIELIŃSKA**
Medical University of Lublin
ERYSIPELAS – NEW INSIGHTS INTO AN OLD DISEASE
- 15 12:30 – 12:40 **ALEKSANDRA ZIÓŁKOWSKA**
Nicolaus Copernicus University, Ludwik Rydygier Collegium Medicum in Bydgoszcz
PREDICTORS OF CHRONIC KIDNEY DISEASE PROGRESSION. AN ARTICLE REVIEW
- 16 12:40 – 12:50 **DAMIAN ŚWIĄTKOWSKI**
Collegium Medicum im. Ludwika Rydygiera in Bydgoszcz, University Nicolaus Copernicus in Toruń
DEPRESSION TREATMENT AND ITS ROLE IN SUICIDE RISK REDUCTION
- 17 12:50 – 13:00 **MIKOŁAJ DOMAŃSKI, ALEKSANDRA SOŁTYSIAK**
Wroclaw Medical University
OPINIONS ON PTSD AND ACCESSIBILITY TO SPECIALISED CARE
- 18 13:00 – 13:10 **ALEKSANDRA SOŁTYSIAK, MIKOŁAJ DOMAŃSKI**
Wroclaw Medical University
ANALYSIS OF THE CORRECTNESS OF ANTIBIOTIC USE BY ADULT PATIENTS IN POLAND

Presentations

- 1 **AGATA BAWOLSKA**
Nicolaus Copernicus University, Ludwika Rydygiera Collegium Medicum in Bydgoszcz
THE ROLE OF SELENIUM IN THE TREATMENT OF PATIENTS WITH PCOS
- 2 **MARLENA BUDEK**
Ludwik Rydygier Collegium Medicum in Bydgoszcz Nicolaus Copernicus University in Toruń,
ADIPONECTIN – OBESITY AND CARCINOGENESIS
- 3 **MARLENA BUDEK**
Ludwik Rydygier Collegium Medicum in Bydgoszcz Nicolaus Copernicus University in Toruń,
GASTRINOMA – WHAT IS A TUMOR?



- 4 **ALICJA CIEŚLIŃSKA**
Collegium Medicum im. Ludwika Rydygiera w Bydgoszczy Uniwersytetu Mikołaja Kopernika w Toruniu
EFFECTS OF INTERMITTENT FASTING ON TREATMENT AND GENERAL HEALTH IN PSORIASIS PATIENTS
- 5 **DOMINIK DROBEK**
Medical University of Lublin
ROLE OF CIRCULATING TUMOR DNA (CTDNA) IN DETECTION TUMORS
- 6 **ROBERT GATTNER**
Nicolaus Copernicus University in Toruń, Ludwik Rydygier Collegium Medicum in Bydgoszcz
CAFFEINE CITRATE AS THE PHARMACOLOGICAL TREATMENT FOR APNEA OF PREMATURITY
- 7 **ANNA GÓRKA**
The Ludwik Rydygier Collegium Medicum in Bydgoszcz, Nicolaus Copernicus University
SELUMETINIB – NEW PERSPECTIVES IN THE TREATMENT OF NEOPLASMS IN THE COURSE OF NF-1
- 8 **ANNA GÓRKA**
The Ludwik Rydygier Collegium Medicum in Bydgoszcz, Nicolaus Copernicus University
AN IMPACT OF FASTUNG DURING RAMADAN ON THE PARTICULAR ORGANS
- 9 **JULIA GRACZYK**
Nicolaus Copernicus University Ludwik Rydygier Collegium Medicum in Bydgoszcz
EFFECTS OF MESENCHYMAL STEM CELLS IN PATIENTS WITH PEYRONIE'S DISEASE
- 10 **DORIAN JAREK**
Ludwik Rydygier Collegium Medicum in Bydgoszcz, Nicolaus Copernicus University in Toruń
ROLE OF MITOCHONDRIAL DYSFUNCTIONS IN DEVELOPMENT AND COURSE OF AMYOTROPHIC LATERAL SCLEROSIS
- 11 **DORIAN JAREK**
Ludwik Rydygier Collegium Medicum in Bydgoszcz, Nicolaus Copernicus University in Toruń
PTAU217 VARIANT AS A KEY BIOMARKER OF ALZHEIMER'S DISEASE
- 12 **DORIAN JAREK**
Ludwik Rydygier Collegium Medicum in Bydgoszcz, Nicolaus Copernicus University in Toruń
ROLE OF MITOCHONDRIAL DYSFUNCTIONS IN DEVELOPMENT AND COURSE OF FRONTOTEMPORAL DEMENTIA
- 13 **DOMINIKA JERKA**
Nicolaus Copernicus University in Torun, Ludwik Rydygier Collegium Medicum in Bydgoszcz,
EXPRESSION OF A CHOSEN CELL CYCLE PROTEIN IN A TUMOR CELL LINE
- 14 **EWELINA KAMIŃSKA**
Higher School of Management and Entrepreneurship based in Walbrzych
NAIL DISEASES
- 15 **DOMINIKA KOŚCIELECKA**
Jagiellonian University Medical Collage, Doctoral School of Medical and Health Sciences, Krakow
INTERMITTENT CLAUDICATION – REHABILITATION AS AN EFFECTIVE CONSERVATIVE TREATMENT
- 16 **OLIWIĄ KOTOWSKA**
Ludwik Rydygier Collegium Medicum in Bydgoszcz, Nicolaus Copernicus University in Toruń, Poland
CARBAMAZEPINE AND ITS DERIVATIVES IN THE TREATMENT OF BIPOLAR AFFECTIVE DISORDER
- 17 **OLIWIĄ KOTOWSKA**
Ludwik Rydygier Collegium Medicum in Bydgoszcz, Nicolaus Copernicus University in Toruń, Poland
THE ROLE OF INTERLEUKIN 15 IN THE TREATMENT OF CANCER
- 18 **DARIA KOZDROŃ**
Collegium Medicum UMK Toruń
BIOARTIFICIAL KIDNEY CONTAINING HUMAN CELLS IN PATIENTS WITH ACUTE RENAL FAILURE
- 19 **JOANNA KRUSZKA**
Ludwik Rydygier Collegium Medicum in Bydgoszcz, Nicolaus Copernicus University in Toruń
ACROMEGALY CAUSED BY NEUROENDOCRINE NEOPLASMS



- 20 **MATYLDA KUBACZ**
Medical University of Warsaw
GENERATION OF A DIFFUSE LARGE B-CELL LYMPHOMA (DLBCL) RITUXIMAB-RESISTANT CELL LINE AS A MODEL TO INVESTIGATE THE EFFICACY OF NOVEL ANTITUMOR STRATEGIES (ENG)
- 21 **OLIWIJA MAKOWSKA**
Collegium Medicum in Bydgoszcz, Nicolaus Copernicus University in Torun, Poland
APPLICATION OF REGENERATIVE MEDICINE IN PATIENTS AFTER RADICAL CYSTECTOMY
- 22 **BARTOSZ MAZUR**
Nicolaus Copernicus University Ludwik Rydygier Collegium Medicum in Bydgoszcz
COMPLICATIONS AND REHABILITATION AFTER CONSERVATIVE TREATMENT OF ISCHIAL TUBEROSITY FRACTURE IN ADOLESCENTS
- 23 **JAN MILANOWSKI**
Ludwik Rydygier Collegium Medicum in Bydgoszcz, Nicolaus Copernicus University in Toruń, Poland
THE ROLE OF SELECTED PRO-INFLAMMATORY CYTOKINES IN ISCHEMIC STROKE
- 24 **MICHALINA NASIADEK**
Nicolaus Copernicus University Ludwik Rydygier Collegium Medicum in Bydgoszcz
DOSTARLIMAB - THE FIRST ANTI-PD-1 ANTIBODY APPROVED FOR THE TREATMENT OF RECURRENT OR ADVANCED ENDOMETRIAL CANCER
- 25 **ALEKSANDER NOBIS**
Medical University of Białystok
ANALYSIS OF CHOSEN BIOCHEMICAL PARAMETERS IN MELANCHOLIC DEPRESSIVE PATIENTS AS COMPARED TO HEALTHY CONTROL – PRESENTATION OF PRELIMINARY RESULTS OF THE STUDY
- 26 **ALEKSANDRA NOWACKA**
Nicolaus Copernicus University Ludwik Rydygier Collegium Medicum in Bydgoszcz
UNFULFILLED HOPES: UNSATISFACTORY RESULTS OF SIS-BASED URINARY BLADDER AUGUMENTATION
- 27 **EDYTA OWSIANA**
Medical University of Silesia in Katowice
BABESIOSIS IN HAEMOTHERAPY
- 28 **EDYTA OWSIANA**
Clinical Medicine Center Dimedical in Lodz
NOVEL MRNA-BASED VACCINES AGAINST COVID-19
- 29 **EWELINA RECZULSKA**
Nicolaus Copernicus University Ludwik Rydygier Collegium Medicum in Bydgoszcz
CRANIAL ULTRASONOGRAPHY IN NEONATES: ROLE AND BASICS OF THE TEST
- 30 **MARCIN SETLAK**
Medical University of Silesia
CONVECTION-ENHANCED DELIVERY FOR THE TREATMENT OF GBM
- 31 **MARCIN SETLAK**
Department of Radiodiagnosics, Interventional Radiology and Nuclear Medicine
NEW METHODS OF INTERVENTIONAL RADIOLOGY IN THE TREATMENT OF DISEASES OF THE CENTRAL NERVOUS SYSTEM
- 32 **MARCIN SETLAK**
Medical University of Silesia in Katowice
CHORDOMA OF THE BASE OF THE SKULL
- 33 **MARTA SZEPIETOWSKA**
Wroclaw Unievrstity of Medicine
ACNE IN ADOLESCENTS: PREVALENCE AND QUALITY OF LIFE
- 34 **MACIEJ SZOTA**
Scientific Circle of Geriatrics
CONSERVATIVE AND SURGICAL MANAGEMENT OF SPONTANEOUS PRIMARY PNEUMOTHORAX IN A PATIENT OVER 50 YEARS OF AGE: A CASE REPORT



- 35 **ALEKSANDRA WIŚNIEWSKA**
Poznan University of Medical Sciences, Collegium Maius
DIAGNOSTIC PROCEDURE OF NEPHROTIC SYNDROME IN CHILDHOOD AND IT'S FURTHER EXAMINATION
- 36 **BARBARA ZYŚK**
Ludwik Rydygier Collegium Medicum in Bydgoszcz, Nicolaus Copernicus University in Toruń, Poland
IMMUNOMODULATORY EFFECTS OF VITAMIN D AND MELATONIN IN PREGNANCY
- 37 **ANNA ŻYWICKA**
West Pomeranian University of Technology in Szczecin
ANALYSIS OF THE EXPRESSION OF GENES DETERMINING THE INCREASED EFFICIENCY OF THE BACTERIAL CELLULOSE SYNTHESIS PROCESS IN KOMAGATAEIBACTER XYLINUS UNDER THE INFLUENCE OF A ROTATING MAGNETIC FIELD (ENG)

Posters

- 1 **MACIEJ GRZESZCZUK**
Wroclaw Medical University
INFLUENCE OF HYPOXIA ON IRISIN LEVEL IN HL-1 CELLS – PRELIMINARY REPORT
- 2 **JAKUB KWIATKOWSKI**
Pomeranian Medical University in Szczecin
COVID-19 RECOVERY – THE CONNECTIONS BETWEEN PERSISTENT OLFACTORY DISORDERS AND SMOKING
- 3 **KAMIL NOWAK**
University of Opole
PROSTATE CANCER – DIAGNOSIS AND TREATMENT OF PATIENTS WITH PROSTATE CANCER
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Clinical Medicine Center Dimedical in Lodz
NAAT AS A COVID-19 DIAGNOSTIC TOOL
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MOVEMENT ACTIVITY IN THE FIGHT AGAINST JOINT DISEASES IN PHYSIOTHERAPY FOR PEOPLE OF ALL AGES
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The University School of Physical Education in Krakow
SLEEP IN ATHLETES WITH DISABILITIES – A PRELIMINARY STUDY
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EXPOSURE TO LEAD AND THE ACTIVITY OF MMP-2 AND MMP-9 IN RATS INTESTINES.
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University of Information Technology and Management, Medical College
HAND THERAPY IN CEREBRAL PALSY
- 9 **DOMINIKA WÓJCIK**
University of Information Technology and Management, Medical College
JUMPER'S KNEE
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Jagiellonian University
CANCER STEM CELLS AND THE EVOLUTION OF DRUG RESISTANCE (ENG)
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Medical University of Lublin
ARTIFICIAL LIGHT AT NIGHT AND PROSTATE CANCER RISK (ENG)
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Medical University of Białystok
HYPERBARIC OXYGEN THERAPY AS A POTENTIAL METHOD OF TREATING DEPRESSIVE DISORDERS IN PATIENTS WITH WOUNDS (ENG)

