



Conference Schedule

HUMANITIES SCIENCES SESSION

On-line Presentations

- 09:50 – 10:00 **Opening the Session and discussing technical matters**
- 1 10:00 – 10:10 **PAULINA CHOBOT**
(*Gdansk University of Technology*)
MONEY IN THE WORKPLACE: ANALYSIS OF MOTIVATIONAL DYNAMICS (ENG)
- 2 10:10 – 10:20 **PATRYK FRANKIEWICZ**
(*Social Academy of Sciences in Lodz*)
ELECTRONIC SURVEILLANCE SYSTEM. STATE OF KNOWLEDGE AND DIRECTIONS OF DEVELOPMENT

Presentations

- 1 **MARTA BANAS**
(*University of Silesia*)
EXPLORATION OF EXOPLANETS AS ALTERNATIVE HABITATS FOR HUMAN BEINGS IN FILMS (ON THE EXAMPLE OF "INTERSTELLAR" AND "LOST IN SPACE")
- 2 **KATARZYNA JANKOWSKA**
(*University of Warmia and Mazury*)
THE IMPACT OF PORNOGRAPHY ON PSYCHOSEXUAL DEVELOPMENT
- 3 **KATARZYNA JANKOWSKA**
(*University of Warmia and Mazury*)
BEHAVIORAL ADDICTIONS – CRITERIA, TREATMENTS
- 4 **EWA ŁAPIŃSKA**
(*University of Białystok*)
STATUS OF THE DECEASED SUBJECTED TO THE CRYOPRESERVATION PROCEDURE IN POLISH CIVIL LAW

Posters

- 1 **MARIA CZUBAK**
(*The Maria Grzegorzewska University*)
WHAT ARE WE GOING TO PLAY TODAY? PRINCIPLES OF PLAY PEDAGOGY
- 2 **ANTONI DUDKIEWICZ**
(*Academic High School of Wrocław University of Science and Technology*)
FITCH'S PARADOX AND THE EXISTENCE OF UNKNOWABLE TRUTHS
- 3 **KORNELIA KORDIAK**
(*University of Wrocław*)
ADULTHOOD THROUGH THE LENS OF GENERATIONS: AN ANALYSIS OF COMMON CHALLENGES AND DIFFERENCES SPECIFIC TO GENERATIONS BB, X, Y AND Z
- 4 **OLIWIA MIERNIK**
(*Jagiellonian University*)
ATHLETE BRAND IMAGE DEVELOPMENT ON SOCIAL MEDIA: A CASE STUDY OF IGA SWIATEK



MEDICAL SCIENCES SESSION

On-line Presentations

- 10:30 – 10:40 **Opening the Session and discussing technical matters**
- 1 10:40 – 10:50 **EWA BANASIAK-MACHERSKA**
(University of Zielona Gora; Neurologopedic Office Gadula Ewa Banasiak-Macherska)
BREATH - KING
- 2 10:50 – 11:00 **ALEKSANDRA CZĘPIŃSKA**
(Medical University of Lublin)
FUSARIUM KERATITIS – DOES IT POSE A REAL THREAT?
- 3 11:00 – 11:10 **JOLANTA GRZYWACZ**
(Specialist Hospital Ludwik Rydygier in Cracow)
TREATMENT METHODS FOR LYMPHEDEMA IN THE COURSE OF CANCER
- 4 11:10 – 11:20 **ANNA HALOT**
(Medical University of Lublin)
NUTRITIONAL SUPPLEMENTS AS PART OF SUPPORT IN TREATMENT APPROACH
PATIENTS WITH PROFOUND IMMUNOSUPPRESSION (ENG)
- 5 11:20 – 11:30 **MARTYNA PAWŁAT, AGNIESZKA KARABIN**
(Medical University of Lublin)
GENTAMICIN/COLLAGEN SPONGE – STANDARD OR SINGULARITY OF USE IN
PREVENTING SURGICAL SITE INFECTIONS
- 6 11:30 – 11:40 **ALEKSANDRA KIPER**
(Doctoral School of the University of Rzeszów)
A SYSTEMATIC REVIEW ON THE APPLICATION OF VIRTUAL REALITY FOR MUSCULAR
DYSTROPHY REHABILITATION: MOTOR LEARNING BENEFITS
- 7 11:40 – 11:50 **EWA SKORUPSKA**
(Hydrosafeguard S.A.)
THE FUTURE OF DISINFECTION – PHOTOCATALYTIC COATING

Presentations

- 1 **ANNA GLINKOWSKA**
(Medical University of Silesia)
THE MOST DANGEROUS EPIDEMICS AND PANDEMICS IN THE HISTORY OF HUMANITY
- 2 **SANDRA KARLIK**
(Doctoral School, University of Rzeszów)
FUNCTIONAL FOODS AND THEIR IMPORTANCE IN HUMAN NUTRITION
- 3 **KINGA KOGUT**
(University of Rzeszów)
PHYSICAL ACTIVITY AND SLEEP QUALITY OF STUDENTS FROM SELECTED MAJORS AT THE
UNIVERSITY OF RZESZOW
- 4 **ADRIAN MACION**
(University of Warsaw)
FUNGAL BIOFILMS – THE CRUCIAL FACTOR OF PATHOGENESIS (ENG)
- 5 **ALICJA PALUCH**
(Medical University of Lublin)
HELICOBACTER PYLORI – A BIG PROBLEM FOR THE STOMACH
- 6 **ALICJA PALUCH**
(Medical University of Lublin)
TRIPLE-NEGATIVE BREAST CANCER TNBC



- 7 **JANINA RZESZOT**
KNOWLEDGE ABOUT PHYSIOTHERAPY AND PHYSIOTHERAPIST IN CONNECTION WITH HOME
PHYSIOTHERAPY AND PATIENT REHABILITATION AT HOME (ENG)
- 8 **NATALIA WACEK**
(Jan Kochanowski University in Kielce)
CHARACTERISTICS OF NORMAL GAIT AND ITS DETERMINANTS
- 9 **MONIKA ZABORSKA**
(University of Opole)
STUDY OF KNOWLEDGE LEVEL OF ELEMENTARY AND HIGH SCHOOL STUDENTS ON SUNBURN
PREVENTION
- 10 **SZYMON ZAKRZEWSKI**
(Pomeranian Medical University)
CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION – PHARMACOLOGICAL AND INVASIVE
TREATMENT – A CLINICAL CASE

Posters

- 1 **KAROLINA CZERKIEWICZ**
(Students Science Club "NEURON", Medical College of Rzeszów University)
THE SIGNIFICANCE OF GUT AND RESPIRATORY MICROBIOTA IN ASTHMA: DECONSTRUCTING
INTERACTIONS AND THERAPEUTIC IMPLICATIONS
- 2 **KINGA DYNDAL**
(Students Science Club "NEURON", Medical College of Rzeszów University)
EFFECTS OF HYPERGLYCEMIA ON THE NERVOUS SYSTEM - THE RELATIONSHIP BETWEEN TYPE 2
DIABETES AND DEPRESSION
- 3 **ADA KACZMAREK**
(Poznan University of Medical Sciences)
HOLISTIC WOMAN CARE IN THE COVID-19 PANDEMIC – THE IMPORTANCE OF COOPERATION OF
A GYNECOLOGIST AND FAMILY DOCTOR
- 4 **ADA KACZMAREK**
(Poznan University of Medical Sciences)
SELECTED ISSUES RELATED TO POSSIBLE CO-OCCURRING CAUSES OF HEADACHES IN WOMEN WITH
PMS
- 5 **NATALIA MACIEJCZYK**
(Maria Curie-Skłodowska University in Lublin)
MULTIDRUG RESISTANCE OF CANCER CELLS AS A CHALLENGE IN CANCER TREATMENT
- 6 **MONIKA MAŁECZEK**
(Medical University of Białystok)
SELENIUM AND CANCER
- 7 **ILONA NOWAK**
(Silesia LabMed Research and Implementation Center, Medical University of Silesia)
CLINICAL APPLICATIONS OF AMNIOTIC MEMBRANE
- 8 **WERONIKA NOWAK**
(Rzeszow University of Technology)
DIVERSITY OF ACCESS TO HEALTH SERVICES IN RURAL AREAS OF POLAND
- 9 **WERONIKA NOWAK**
(Rzeszow University of Technology)
THE USE OF MODERN MOBILE TECHNOLOGY IN HEALTHCARE POSES A SIGNIFICANT CHALLENGE
FOR THIS CENTURY
- 10 **IZABELA SARZYŃSKA**
(University of Rzeszów)
BREAST CANCER PREVENTION AS A KEY TO HEALTH



- 11 **IZABELA SARZYŃSKA**
(*University of Rzeszów*)
THE IMPACT OF PHYSICAL ACTIVITY ON MENTAL HEALTH
- 12 **KATARZYNA SZYMULEWSKA-KONOPKO**
(*Medical University of Białystok*)
THE INFLUENCE OF FERRITIN ON THE PROCESS OF CARCINOGENESIS
- 13 **ADRIANNA WITCZYŃSKA**
(*Collegium Medicum in Bydgoszcz, Nicolaus Copernicus University*)
EVALUATION OF BIOAVAILABILITY OF PROPRANOLOL USING IN SILICO CALCULATION METHODS (ENG)
- 14 **JULIA KIRYLUK**
(*Białystok University of Technology*)
IT SUPPORT FOR MEDICAL DIAGNOSTICS

TECHNICAL AND NATURAL SCIENCES SESSION

On-line Presentations

- 12:20 – 12:30 **Opening the Session and discussing technical matters**
- 1 12:30 – 12:40 **WŁADYSŁAW BŁOCKI**
(*The University of Information Technology and Management in Rzeszów*)
AN APPLICATION OF THE GRAPH THEORY TO THE ANALYSIS OF METRO NETWORKS IN SELECTED EUROPEAN CITIES
 - 2 12:40 – 12:50 **MAJA HARTUNG**
(*University of Warmia and Mazury in Olsztyn*)
A REVIEW OF BREEDING PHYSIOLOGY IN VARIOUS BIRD SPECIES
 - 3 12:50 – 13:00 **LAURA KIELIŃSKA**
(*University of Warmia and Mazury in Olsztyn*)
PROGRESS OF EIMERIA SP. INVASION IN BLACK GROUSE (T. TETRIX) IN AVIARY BREEDING USING THE "BORN TO BE FREE" METHOD
 - 4 13:00 – 13:10 **ADRIANNA MICHNIEWICZ**
(*University of Warmia and Mazury in Olsztyn*)
MINERAL-VITAMIN DISORDERS AS A PROBLEM OF INTENSIVE POULTRY PRODUCTION
 - 5 13:10 – 13:20 **KRZYSZTOF PASTERNAK**
(*Wrocław University of Science and Technology*)
ELECTROLYZER DESIGN AND THE EFFECT OF ELECTROLYTE SELECTION ON THE AMOUNT OF HHO RELEASED
 - 6 13:20 – 13:30 **SONIA ROZBIEWSKA**
(*Maritime University in Szczecin*)
ANALYSIS OF THE EFFECTIVENESS OF MODERN SECURITY SYSTEMS IN AREAS AT RISK OF PIRATE ATTACKS
 - 7 13:30 – 13:40 **EWA SKORUPSKA**
(*Hydrosafeguard S.A.*)
SURPRISING PROPERTIES OF PHOTOCATALYTIC COATINGS



Presentations

- 1 **MARTA MARIA ADAMCZYK**
(Jan Długosz University in Częstochowa)
CRITICAL TEMPERATURE OF THE NONADIABATIC SUPERCONDUCTING STATE IN MONO- AND BILAYER SYSTEMS
- 2 **MAŁGORZATA CHOBOT**
(Warsaw University of Life Sciences)
CURRENT DIETARY TRENDS AND EXPECTATIONS TOWARDS SNACKS MADE OF DRIED VEGETABLES AND FRUITS (ENG)
- 3 **JAGODA CHUDZIŃSKA**
(Adam Mickiewicz University)
PLANT EXTRACTS WITH THERAPEUTIC PROPERTIES
- 4 **ANNA IGNACZAK**
(Warsaw University of Life Sciences)
MODIFYING SELECTED PROPERTIES OF DRIED CARROT SNACKS WITH NFC JUICE ENRICHMENT (ENG)
- 5 **MACIEJ PIEKARNIAK**
(Warsaw University of Life Sciences)
GASOTRANSMITTERS – A NEW PLAYERS IN SEEDS DORMANCY REMOVAL
- 6 **RADOSŁAW WNUK**
(AGH University of Science and Technology in Cracow)
INVESTIGATION OF THE OXIDATION PROCESS, CORROSION RESISTANCE AND MECHANICAL PROPERTIES OF MATERIALS SINTERED ON A ZIRCONIUM MATRIX

Posters

- 1 **ALICJA BARGIEŁA**
(Silesian University of Technology)
IMPACT OF ESTROGENS AND PROGESTERONE ON ORGANISMS IN ENVIRONMENTAL WATERS
- 2 **ZUZANNA BIERNACKA**
(Warsaw University of Life Sciences)
PODOSOME DISSOLUTION IN MOUSE BONE MARROW-DERIVED DENDRITIC CELLS (BMDCS) CULTURE DOES NOT ALWAYS CORRELATE WITH CELL MATURATION DURING ORTHOPOXVIRUS INFECTION (ENG)
- 3 **ALICJA CZUB**
(Silesian University of Technology)
THE INFLUENCE OF TEMPERATURE AND PH ON STABILITY OF ESTROGENS IN MODEL AND ENVIRONMENTAL SAMPLES
- 4 **EMILIA FICEK**
(Silesian University of Technology)
DETERMINATION OF PROGESTERONE, ESTRADIOL AND ETHINYLESTRADIOL IN LIQUID ENVIRONMENTAL SAMPLES
- 5 **MARTA GAWLICZEK**
(Silesian University of Technology)
DEDICATED SOFTWARE FOR CALCULATING CRITICAL MICELLE CONCENTRATION
- 6 **KLAUDIUSZ GUBERNAT**
(Silesian University of Technology)
CHARACTERIZATION OF THE PROCESS OF SYNTHESIS OF FRACTALS MADE FROM CONDUCTIVE POLYMERS (ENG)
- 7 **ALEKSANDRA JARZMIK**
(Silesian University of Technology)
SELECTION OF EXTRACTION PARAMETERS AND VALIDATION OF THE PROCEDURE FOR ANALYSIS OF HORMONES IN LIQUID ENVIRONMENTAL SAMPLES



- 8 **MATEUSZ JÓZWICKI**
(*Maria Curie-Skłodowska University in Lublin*)
SELECTED METHODS FOR OPTIMIZING PERMANENT CONNECTIONS BETWEEN STANDARD AND SPECIAL FIBER OPTICS, GENERATED ON A FIBER OPTIC FILAMENT SPLICER
- 9 **MARIUSZ KALUS**
(*Silesian University of Technology*)
THE INFLUENCE OF TEMPERATURE AND PH ON STABILITY OF PROGESTERONE IN MODEL AND ENVIRONMENTAL SAMPLES
- 10 **AGNIESZKA KICIŃSKA**
(*Silesian University of Technology*)
DEVELOPMENT OF A LC-MS/MS PROCEDURE FOR THE DETERMINATION OF SELECTED HORMONES
- 11 **DAWID LIBEREK**
(*Silesian University of Technology*)
RESEARCH ON ESTROGENS AND PROGESTERONE STABILITY VIA NUCLEAR MAGNETIC RESONANCE
- 12 **PAWEŁ NAPRAWCA**
(*Silesian University of Technology*)
SPECTROSCOPIC CHARACTERISTICS OF THE SELECTED BETULIN CONJUGATES
- 13 **BEATA NOWROT**
(*Silesian University of Technology*)
DETERMINING THE VIABILITY OF HCT116 CELLS TREATED WITH ENVIRONMENTAL WATER SAMPLES OR SOLUTIONS OF PURE HORMONES (P4, E2, AND EE2)
- 14 **MATEUSZ PIELOK**
(*Silesian University of Technology*)
IMPACT OF SAMPLE STORAGE CONDITIONS ON STABILITY OF ESTROGENS AND PROGESTERONE IN ENVIRONMENTAL WATERS
- 15 **MACIEJ RAJTAR**
(*University of Life Sciences in Lublin*)
EXPLORING THE BIODIVERSITY OF CORDYCEPS FUNGI AND THEIR ECOLOGICAL SIGNIFICANCE (*ENG*)
- 16 **MARIA SIMPSON**
(*Poznan University of Technology*)
SYNTHESIS OF GREENER HERBICIDAL ALTERNATIVES (*ENG*)
- 17 **KACPER SIWIAK**
(*University of Life Sciences in Lublin*)
EXPLORING THE LIFE CYCLE OF CORDYCEPS FUNGI (*ENG*)
- 18 **MARTYNA SOLTYSIK**
(*Silesian University of Technology*)
DETERMINATION OF BASIC PHYSICO-CHEMICAL PARAMETERS OF LIQUID ENVIRONMENTAL SAMPLES
- 19 **ALICJA SZOT**
(*University of Life Sciences in Lublin*)
EXPLORING THE MEDICINAL PROPERTIES OF CORDYCEPS (*ENG*)