



Conference Schedule

HUMANITIES SCIENCES SESSION

On-line Presentations

- 09:50 – 10:00 **Opening the Session and discussing technical matters**
- 1 10:00 – 10:10 **MARTA GAWROŃSKA**
(*War Studies University*)
MULTICULTURALISM IN AVIATION
- 2 10:10 – 10:20 **JAROSLAW KAMINSKI**
(*Adam Mickiewicz University in Poznan*)
THOUGHTS ON APPLYING DISTRIBUTED LANGUAGE THEORIES TO ANIMAL COMMUNICATION
- 3 10:20 – 10:30 **PIOTR ŁOSICKI**
(*Polish Armament Agency*)
THE PROBLEM OF CASCADING GROWTH OF SPACE DEBRIS IN THE BELT OF EARTH'S ORBITS (*ENG*)
- 4 10:30 – 10:40 **DAWID MAKOWSKI, DOMINIKA SZTEJTER**
(*University of Warmia and Mazury in Olsztyn*)
INSOMNIA AND ITS RELATIONSHIP WITH SELECTED PERSONALITY TRAITS
- 5 10:40 – 10:50 **WIKTORIA PETRYSZYN**
(*University of Szczecin*)
RELATIONSHIPS BETWEEN POSITIVE ORIENTATION, GRATITUDE, SOCIAL SUPPORT AND ANXIETY
- 6 10:50 – 11:00 **DAWID WOJDOWSKI**
(*University of Adam Mickiewicz in Poznań, Faculty of Theology*)
TRUTH AS THE WAY TO TRUE HAPPINESS
- 7 11:00 – 11:10 **KATARZYNA ZWOLAK**
(*Academy of Art in Szczecin; Sun & More*)
ORGANIC BRICKS – NATURAL 3D WOODEN PUZZLES. DEVELOPMENT OF SPATIAL, SENSORY AND SOCIAL SKILLS IN CHILDREN

Presentations

- 1 **JAKUB ANDREJCZYK**
(*University of Warmia and Mazury in Olsztyn*)
NARCISSISTIC PERSONALITY DISORDER – A SIGN OF OUR TIMES
- 2 **DOMINIKA BELUCH**
(*Jan Grodek State University in Sanok*)
THE UTILIZATION OF WATER ENERGY AND ITS POTENTIAL IN RELATION TO THE RELIANCE OF ENERGY AND ENVIRONMENTAL SAFETY ON NATURAL CIRCUMSTANCES AND HUMAN ACTIONS
- 3 **MAGDALENA DREINERT**
(*University of Warsaw*)
A STORY ABOUT STORIES. CONCEPTUAL BLENDS AND METAPHORICAL AMALGAMS IN "THE AMAZONING MAURICE AND HIS EDUCATED RODENTS" (*ENG*)
- 4 **EWELINA GAJEWSKA**
(*State University in Sanok*)
ANALYSIS OF THE SPECIFICITY OF THE CHEMICAL HAZARD IN AN INDUSTRIAL PLANT – ITS EFFECTS, CAUSED BY EXTREME WEATHER CONDITIONS, CAUSED BY STRONG WINDS AND A HURRICANE AFFECTING THE STATE OF INTERNAL SECURITY



- 5 **MARTA GAWROŃSKA**
(*War Studies University*)
LOGISTICS MANAGEMENT IN CRISIS SITUATIONS IN POLAND
- 6 **ANETA HUSEJKO**
(*Jan Grodek State University in Sanok*)
HUMAN RESOURCE MANAGEMENT IN GENERATIONALLY DIVERSE ENTERPRISES
- 7 **WERONIKA IWAŃSKA**
(*Kazimierz Wielki University in Bydgoszcz*)
IS THE LONG-TERM PROGRAM FOR MANAGEMENT OF THE MUNICIPALITY'S HOUSING STOCK A LOCAL LAW?
- 8 **ZUZANNA PIOTROWSKA**
(*University of Warmia and Mazury in Olsztyn*)
INTERDISCIPLINARITY IN SPEECH THERAPY. WHO CAN A SPEECH THERAPIST WORK WITH?
- 9 **EMILIA SOBCZAK**
(*Warsaw University of Life Sciences – SGGW*)
CHANGES IN RAPESEED PRODUCTION IN POLAND
- 10 **EWA WALICZEK**
(*Lesser Poland State University Oświęcim*)
PRODUCT PROMOTION AND ITS IMPACT ON BUYERS' PURCHASING BEHAVIOR

Posters

- 1 **MARIA CZUBAK**
(*The Maria Grzegorzewska University*)
THE WAY STUDENTS ARE SEATED AND COMMUNICATION IN THE CLASSROOM
- 2 **MALGORZATA NAWROT**
(*Jagiellonian University*)
EMBRACING THE UNKNOWN – THE NEXUS BETWEEN INTOLERANCE OF UNCERTAINTY, PERSONALITY TRAITS AND PSYCHOPATHOLOGY
- 3 **WIKTORIA PETRYSZYN**
(*University of Szczecin*)
SOCIAL SUPPORT AS A MEDIATOR BETWEEN RESILIENCE AND A SENSE OF QUALITY OF LIFE
- 4 **ALEKSANDRA SAWICKA**
(*The Maria Grzegorzewska University*)
AUTISM SYMPTOMS IN CHILDREN
- 5 **KLAUDIA ŚWIĘS**
(*Jagiellonian University in Cracow*)
ATTITUDES OF TEACHERS AND PUPILS TOWARDS STUDENT DIFFERENCE
- 6 **KLAUDIA ŚWIĘS**
(*Jagiellonian University in Cracow*)
THE IMPACT OF LARYNGOLOGICAL DISORDERS ON SPEECH: THE INFLUENCE OF HEARING LOSS ON SPEECH DEVELOPMENT



MEDICAL SCIENCES SESSION

On-line Presentations

- 09:50 – 10:00 **Opening the Session and discussing technical matters**
- 1 10:00 – 10:10 **KATARZYNA KOZIOROWSKA**
(*University of Rzeszów*)
A MODERN METHOD OF TREATING CANCER – PHOTODYNAMIC THERAPY (ENG)
- 2 10:10 – 10:20 **EMILIA LATOUR**
(*Pomeranian Medical University*)
INFANT FEEDING METHOD INFLUENCES SCFA LEVELS
- 3 10:20 – 10:30 **JAKUB SADOWSKI, TOMASZ KLAUDEL**
(*University of Opole*)
COGNITIVE DYSFUNCTION IN THE COURSE OF SARS-COV-2 VIRUS INFECTION, INCLUDING NEUROCOVID, FRONTAL SYNDROME AND CYTOKINE STORM (ENG)
- 4 10:30 – 10:40 **MICHAŁ SAWICKI**
(*Infotower Business Solutions Sp. z o.o.*)
VOICE COMMUNICATION IN AN INNOVATIVE, WIRELESS, DIGITAL CALL SYSTEM FOR THE MEDICAL INDUSTRY

Presentations

- 1 **KINGA BIEDRZYCKA**
(*Applied Manufacturing Science Sp. z o.o.; Poznan University of Technology*)
THE SOLID DISPERSION OF IBUPROFEN IN POLYMER MATRIX
- 2 **MARTA BIEŃ**
(*Medical University of Gdansk*)
A COLLECTION OF TUMOR MARKERS (ENG)
- 3 **ALEKSANDRA BOJDA**
(*University of Warmia and Mazury in Olsztyn*)
SYNTHESIS OF FATTY ACIDS, TRIACYLGLYCEROLS AND PHOSPHOLIPIDS
- 4 **MAGDALENA DĘBIEC**
(*Medical University of Silesia in Katowice*)
MITOCHONDRIAL DYSFUNCTION AND MITOCHONDRIAL METABOLISM IN NEUROGENESIS DISORDERS
- 5 **MAGDALENA DUL**
(*Rzeszow University of Technology*)
MATERIALS AND TECHNIQUES IN ORTHOSIS MANUFACTURING
- 6 **AGNIESZKA KITLAS-GOLIŃSKA**
(*University of Białystok*)
POINCARÉ PLOTS IN THE STUDY OF THE SELECTED BIOMEDICAL SIGNALS (ENG)
- 7 **EWELINA KAMIŃSKA**
(*Higher School of Management and Entrepreneurship based in Walbrzych*)
ACNE-A PROBLEM NOT ONLY FOR TEENAGERS
- 8 **NATALIA MADEJ-CHMIEL**
(*Jagiellonian University Medical College*)
EVALUATION OF PULMONARY FUNCTION IN PATIENTS AFTER COVID-19 INFECTION
- 9 **ZOFIA MAJCHERCZYK**
(*Cracow School of Health Promotion*)
DIET – THE BASIS FOR THE TREATMENT OF SKIN DISEASES



- 10 **TOMASZ OSTASZEWSKI**
(Warsaw University of Medicine)
ATTEMPT TO ELUCIDATE THE MECHANISM OF ACTION OF METHADONE THROUGH MOLECULAR MODELING OF THE POSTULATED ACTIVE ENOL FORM OF METHADONE AND DOCKING TO MOR RECEPTORS
- 11 **KRZYSZTOF SAJEWICZ**
(Poznan University of Medical Sciences, Collegium Maius)
DIAGNOSTIC DIFFICULTIES AND TREATMENT OF TINNITUS IN ADULTS – AN INTERDISCIPLINARY ISSUE?
- 12 **KRZYSZTOF SAJEWICZ**
(Poznan University of Medical Sciences, Collegium Maius)
THE IMPACT OF OBESITY ON THE DEVELOPMENT OF ENDOMETRIAL CANCER – TREATMENT AND POSTOPERATIVE MANAGEMENT
- 13 **MATEUSZ ŚCIBIORSKI**
(Maria Curie-Skłodowska University in Lublin)
SMA AND GENE THERAPY – HOW DOES IT WORK?
- 14 **OSKAR TUDAJ**
(Poznan University of Medical Sciences, Collegium Maius)
ANTERIOR CRUCIATE LIGAMENT (ACL) INJURIES – DIAGNOSIS, TREATMENT METHODS, AND REHABILITATION. DESCRIPTION OF A CASE OF CHRONIC KNEE INSTABILITY
- 15 **ALEKSANDRA WIŚNIEWSKA**
(Poznan University of Medical Sciences, Collegium Maius)
POSSIBILITIES OF USING BOTULINUM TOXIN TYPE A IN MEDICAL PRACTICE
- 16 **ALEKSANDRA WIŚNIEWSKA**
(Poznan University of Medical Sciences, Collegium Maius)
METHODS OF TREATING THE MOST COMMON ADDICTIONS OCCURRING IN THE 21ST CENTURY
- 17 **ALEKSANDRA WIŚNIEWSKA**
(Poznan University of Medical Sciences, Collegium Maius)
DIAGNOSIS AND TREATMENT OF PROXIMAL FEMUR FRACTURES
- 18 **JULIA WOŻNA**
(Poznan University of Medical Sciences, Collegium Maius)
COEXISTING CONDITIONS WITH PSORIASIS: EYE DISEASES, STROKE, AND DIABETES

Posters

- 1 **KINGA BIEDRZYCKA**
(Applied Manufacturing Science Sp. z o.o.; Poznan University of Technology)
APPLICATION OF POLYMERS EUDRAGIT AS HOT MELT EXTRUSION CARRIER
- 2 **MARTA BIEŃ**
(Medical University of Gdansk)
THE MOST FREQUENTLY DESCRIBED MARKERS OF HEAD AND NECK CANCERS (ENG)
- 3 **AGNIESZKA CEBULAK**
(Rzeszów University of Technology)
TREATMENT OF HALLUX VALGUS: INNOVATIVE SOLUTIONS AND ADVANCES IN ORTHOPEDIC SURGERY
- 4 **JUSTYNA DZIEDZIC**
(Maria Curie-Skłodowska University in Lublin)
ANTIBIOTIC RESISTANCE – RESISTANCE OF BACTERIA TO ANTIBIOTICS
- 5 **KATARZYNA GDULA**
(Maria Curie-Skłodowska University)
MULTIDRUG RESISTANCE OF CANCER CELLS



- 6 **KAMIL JANAWA**
(Pomeranian Medical University)
SUPPLEMENTATION WITH GOUTWEED (AEGOPODIUM PODAGRARIA L.) IN THE TREATMENT OF GLUCOSE METABOLISM DISORDERS – A REVIEW OF THE LITERATURE
- 7 **MAGDALENA JANCZURA**
(Poznań University of Medical Sciences; Synteza Sp. z o.o.)
POLYMORPHISM ANALYSIS OF ALVERINE CITRATE (ENG)
- 8 **ADA KACZMAREK**
(Poznań University of Medical Sciences)
LATE LATENT SYPHILIS AS A CHALLENGING ISSUE IN THE TWENTY-FIRST CENTURY (ENG)
- 9 **ADA KACZMAREK**
(Poznań University of Medical Sciences)
OUTLINE OF THE PROBLEM OF SEXUAL VIOLENCE AGAINST CHILDREN INCLUDING STD (ENG)
- 10 **JOANNA KUBICA**
(Pomeranian Medical University in Szczecin)
THE DIVERSITY OF LIFESTYLE-ASSOCIATED MOLECULAR PATTERNS (LAMPS) AND THEIR IMPACT ON THE DEVELOPMENT OF DISEASES
- 11 **JAKUB KWIATKOWSKI**
(Pomeranian Medical University in Szczecin)
PROLONGED FEVER AS A MAJOR SYMPTOM OF INFECTIVE ENDOCARDITIS – A CASE REPORT
- 12 **KAMIL NOWAK**
(University of Opole)
VAC THERAPY FOR THE TREATMENT OF CHRONIC WOUNDS AND VENOUS ULCERS
- 13 **WERONIKA OSSOWSKA**
(Pomeranian Medical University in Szczecin)
HISTOLOGICAL CHANGES IN THE GLIA OF ADDICTED RATS EXPOSED TO FLUORIDE
- 14 **PAULINA PIESZCZYŃSKA**
(Community pharmacy in Bydgoszcz)
COMPUTER-AIDED ASSESSMENT OF TRAZODONE METABOLITES PHARMACOKINETICS AND TOXICITY (ENG)
- 15 **ALEKSANDRA PILCH**
(State Academy of Applied Sciences in Krosno)
PROBLEMS OF STRESS IN THE STUDENT COMMUNITY
- 16 **MARCELINA POWĄZKA**
(Medical University in Wrocław)
DYSFUNCTIONS OF THE TEMPOROMANDIBULAR JOINT: CAUSES, SYMPTOMS, AND THERAPEUTIC STRATEGIES
- 17 **MICHAŁ TOMASZEK**
(Pomeranian Medical University in Szczecin)
INONOTUS OBLIGUUS SUPPLEMENTATION IN NEURODEGENERATIVE DISEASES



TECHNICAL AND NATURAL SCIENCES SESSION

On-line Presentations

- 10:50 – 11:00 **Opening the Session and discussing technical matters**
- 1 11:00 – 11:10 **NATALIA DUDEK**
(Rzeszow University of Technology)
THE INFLUENCE OF MODEL COLOR ON ITS REPRODUCTION USING PHOTOGRAMMETRY
- 2 11:10 – 11:20 **ANNA HAMERA**
(University of Bielsko-Biala)
OPTIMIZATION OF THE UX OF THE USER INTERFACE OF THE IT SYSTEM SUPPORTING THE WORK OF AN ENTERPRISE FROM THE SME SECTOR IN TERMS OF ERGONOMICS AND USABILITY (ENG)
- 3 11:20 – 11:30 **MATEUSZ JÓZWICKI**
(Maria Curie-Skłodowska University in Lublin)
METHODS OF OPTIMIZING OPTICAL FIBER SPLICE BETWEEN STANDARD AND SPECIAL OPTICAL FIBERS
- 4 11:30 – 11:40 **MACIEJ KOBIELSKI**
(Silesian University of Technology; Sanhua Aweco Poland)
CFD AS A MEANS OF SPRING CHARACTERISTICS INDICATOR FOR PISTON CHECK VALVE DESIGN – CASE STUDY (ENG)
- 5 11:40 – 11:50 **KAMIL SZWED**
(University of Information Technology and Management)
APPLICATION OF FEDERATED LEARNING IN HIGHER EDUCATION IN POLAND (ENG)

Presentations

- 1 **WOJCIECH BAŃKOSZ**
(Cracow University of Technology)
INTERDISCIPLINARY NUMERICAL METHODS AND THEIR APPLICATIONS (ENG)
- 2 **AGATA BURSKA**
(University of Warmia and Mazury in Olsztyn)
SARCOIDS IN HORSES
- 3 **AGATA BURSKA**
(University of Warmia and Mazury in Olsztyn)
CANINE HIP DYSPLASIA
- 4 **EWELINA KOWAL**
(EKO-STYL RENTAL Sp. z o.o. Sp. k.)
METHODS OF PRE-TREATMENT OF TECHNOLOGICAL WASTEWATER IN AN INDUSTRIAL LAUNDRY AS THE SOLUTION OF WASTEWATER MANAGEMENT PROBLEMS RELATED TO THE IMPLEMENTATION OF THE PROJECT "ANTIMICROBIAL REFINED FINISHED PRODUCT IN THE FORM OF A TRANSITION MAT"
- 5 **PIOTR KRÓL**
(The University of Warmia and Mazury in Olsztyn)
BASICS OF TECHNICAL DRAWING
- 6 **PATRYCJA LENIART**
(Rzeszów University of Technology)
PERIPHERAL VASCULAR ULTRASONOGRAPH
- 7 **EDYTA MAŁACHOWSKA**
(Warsaw University of Life Sciences – SGGW; Natural Fibers Advanced Technologies)
PAPERMAKING ABILITY OF THE PRESENT WASTE PAPER (ENG)
- 8 **ANNA RYBKA**
(Rzeszow University of Technology)
POLYMER BIOMATERIALS IN MEDICINE



- 9 **WERONIKA SŁOTA**
(The University Centre of Veterinary Medicine JU-AU Jagiellonian University and Agriculture University)
USE OF OXYGEN THERAPY AND AEROSOL THERAPY IN VETERINARY PRACTICE
- 10 **WIKTORIA STĘPIEŃ**
(Rzeszow University of Technology)
USE OF FINITE ELEMENT METHODS IN BIOMEDICAL APPLICATIONS
- 11 **JACEK SZCZEPAŃSKI**
(Medical University of Lublin)
SYNTHESIS AND ASSESSMENT OF ANTICANCER ACTIVITY OF NEW THIAZOLIDIN-4-ONE DERIVATIVES
- 12 **JULIA SZYMCZAK**
(Warsaw University of Life Sciences – SGGW)
SARCOSPORIDIOSIS – PROBLEM IN MEAT AND SLAUGHTER ANIMALS HYGIENE

Posters

- 1 **KRZYSZTOF ANDRUCH**
(University of Rzeszow)
APPLICATIONS OF COMPLEX NUMBERS
- 2 **MARTA GAWLICZEK**
(Silesian University of Technology)
DEDICATED CALCULATOR FOR DETERMINING CMC VALUE OF SELECTED NON-IONIC SURFACTANTS
- 3 **KONRAD JAWOR**
(CSG S.A., Kraków)
WORK RELATED TO THE DEVELOPMENT OF A NEXT-GENERATION POWER BANK (ENG)
- 4 **AGNIESZKA KORNEK**
(PAARI Sp. z o.o.)
DEVELOPMENT OF A RAILROAD SCALE WITH NEW FUNCTIONALITIES BY PAARI, BASED IN OPOLE
- 5 **JOANNA MACUR**
(University of Wrocław)
DIENCEPHALON CYTOARCHITECTONICS IN PAEDOCYPRIS (TELEOSTEI, CYPRINIDAE), THE MINIATURE RELATIVE OF DANIO RERIO
- 6 **JAKUB NAGÓRNY**
(Adam Mickiewicz University in Poznań)
SELECTIVE FUNCTIONALIZATION OF BORYLSILYLALKENES BY COUPLING REACTIONS
- 7 **MACIEJ ARKADIUSZ PIEKARNIAK**
(Warsaw University of Life Sciences – SGGW)
METABOLIC INTENSITY IN THE TRAP TISSUE OF NEPENTHES X VENTRATA DURING NITRIC OXIDE-STIMULATED DIGESTION (ENG)
- 8 **MARIA SIMPSON**
(Poznan University of Technology)
THE INFLUENCE OF SELECTED SOIL BACTERIA ON CROP GROWTH (ENG)
- 9 **MICHAŁ SZURGOCIŃSKI**
(West Pomeranian University of Technology in Szczecin)
CORROSION INHIBITORS (ENG)
- 10 **MACIEJ TRZECIAK**
(West Pomeranian University of Technology in Szczecin)
NOVEL APPLICATIONS OF NICKEL FOAM
- 11 **KATARZYNA WYSOCKA**
(Warsaw University of Life Sciences – SGGW)
BAKING QUALITY OF WHEAT FLOUR FROM COMMON WHEAT (TRITICUM AESTIVUM L) GROWN IN VARIOUS FARMING SYSTEMS (ORGANIC, INTEGRATED, AND CONVENTIONAL)