

# **Conference Schedule**

# **HUMANITIES SCIENCES SESSION**

# **On-line Presentations**

	09:50 - 10:00	Opening the Session and discussing technical matters
1	10:00 – 10:10	PATRYK DĄBROWSKI (Nicolas Copernicus University) ADVANTAGES OF USING THE TRANSLATION METHOD IN FOREIGN LANGUAGE LEARNING
2	10:10 – 10:20	JAKUB RYS (Pedagogical University of Cracow) INFLUENCE OF VIDEO GAMES ON YOUNG PEOPLE'S MORALITY DEVELOPMENT
3	10:20 – 10:30	MONIKA SARNAT (Pedagogical University of Cracow) THE IMPACT OF USING PHYSICAL PUNISHMENTS ON CHILDREN'S DEVELOPMENT
3	10:30 – 10:40	ANGELINA SIELEWICZ, PATRYCJA SKOCZEK (Łukasiewicz – Instytut Mikroelektroniki i Fotonikia) PROMOTION OF SCIENCE IN TIMES OF FAKE NEWS, CHAT GPT, AND TINFOIL HATS

# **Presentations**

# 1 BEATA DUDA

(University of Silesia)

LEXICAL MANIFESTATIONS OF REFLECTIVE EMOTIONS IN REMINISCENT NARRATIVES FROM THE ARCHIVE OF ORAL HISTORY OF THE WARSAW UPRISING MUSEUM. RESEARCH PROJECT PRESENTATION

# 2 KATARZYNA JANKOWSKA

(University of Warmia and Mazury in Olsztyn)

TEENAGERS ONLINE - THE RELATION AMONG SOCIAL MEDIA AND SELF-ESTEEM

# 3 KATARZYNA JANKOWSKA

(University of Warmia and Mazury in Olsztyn)

THE IMPACT OF ONLINE LEARNING ON YOUNG PEOPLE'S MENTAL HEALTH

# 4 DOMINIKA ŁUKOWSKA

(Jan Grodek State University in Sanok)

IMPACT OF GLOBALIZATION ON NATIONAL SECURITY

# 5 SANDRA PACZKOWSKA

(University of Nicolaus Copernicus)

ROMANESQUE ARCHITECTURE

# **Posters**

## 1 MARIA CZUBAK

(Maria Grzegorzewska University in Warsaw)

TPACK AND SAMR - HOW TO IMPLEMENT TECHNOLOGY IN MY CLASSROOM?

# 2 KATARZYNA WRÓBEL

(Uni-Terra University in Poznań)

CONTEMPORARY FACES OF FATHERHOOD



# 3 SYLWIA ZAROŚLAK

(The Maria Grzegorzewska University)

EDUCATIONAL EXPERIENCES OF A GROUP OF APS ERASMUS STUDENTS IN RELATION TO THE EDUCATIONAL INSTITUTION PUSZCZYK IN OSOWICZE

# 4 SYLWIA ZAROŚLAK

(The Maria Grzegorzewska University)

ACTIVATION – NOT A JOKE. DO IT! ACTIVATION METHODS IN WORK WITH PRESCHOOL CHILDREN

# **MEDICAL SCIENCES SESSION**

# **On-line Presentations**

	On-mic Presentations							
	09:50 – 10:00	Opening the Session and discussing technical matters						
1	10:00 – 10:10	AGNIESZKA DYMEK (Institute of Health Sciences, University of Rzeszów) CHOLINE – THE FORGOTTEN INGREDIENT IN THE DIET OF A MOTHER-TO-BE						
2	10:10 – 10:20	NATALIA KUROWSKA (Medical University of Silesia in Katowice) THYMOQUINONE – A POTENTIAL PLANT-DERIVED ANTICANCER AGENT AND ITS EFFECT ON THE EXPRESSION OF COLORECTAL CANCER-RELATED GENES						
3	10:20 – 10:30	SZYMON LEONIK (Medical University of Silesia, Katowice) ANDROGENETIC ALOPECIA IN MEN – THERAPEUTIC CHALLENGES AND THE USE OF MICRONEEDLING IN COMBINATION THERAPY						
4	10:30 – 10:40	KATARZYNA MILCARZ (Warsaw Medical University) 2-IDOANILINE PICRATE POLYMORPHS STUDY, AS AN EXAMPLE OF APPLICATION OF MOLECULAR MODELLING IN POLYMORPHIC TRANSITION (ENG)						
5	10:40 – 10:50	NATALIA MŁYŃCZYK (University of Silesia) TIN SN-117M A PROMISING REPLACEMENT FOR TECHNETIUM TC-99M – COMPUTER SIMULATION OF DOSES AND COMPARISON OF PROPERTIES OF RADIOISOTOPES USED IN NUCLEAR MEDICINE (ENG)						
6	10:50 – 11:00	EWA NAPIÓRKOWSKA (Medical University of Warsaw) MOLECULAR MODELING STUDIES OF THIAMINE HYDROCHLORIDE HYDRATES (ENG)						
7	11:00 – 11:10	JAKUB POBIDEŁ (Medical University of Lublin)						

# **Presentations**

UROMODULIN IN PREVENTION OF URINARY TRACT INFECTIONS

# 1 KATARZYNA BARAŃSKA

(University of Rzeszów)

ASSESSMENT OF BODY COMPOSITION AND FITNESS LEVEL OF WOMEN IN A 3 LEAGUE CLUB

# 2 JOANNA BIELSKA

(Non-public Health Care Center South Cracow Central Laboratory)
LYME DISEASE- SYMPTOMS AND TREATMENT



#### 3 JOANNA BIELSKA

(Non-public Health Care Center South Cracow Central Laboratory)

IMMUNOPROPHYLAXIS RH DISEASE

## 4 EWA DZIEDZIECH

(The John Paul II Specialist Hospital In Krakow)

AUTOTRANSFUSION, AS AN ALTERNATIVE TO BLOOD TRANSFUSIONS FROM DONORS

#### 5 EWA DZIEDZIECH

(The John Paul II Specialist Hospital In Krakow)

ALLOANTIBODIES PRODUCED BY PATIENTS OF THE KRAKOW SPECIALIST HOSPITAL JOHN PAUL II IN KRAKOW IN 2020-2022

#### 6 SZYMON GALAS

(Eugeniusz Piasecki Academy of Physical Education in Poznań)

SELECTED METHODS OF STROKE SPEED AND SERVICE ACCURACY IN TABLE TENNIS BY PURASHWANI – LITERATURE REVIEW

## 7 ANNA GLINKOWSKA

(Medical University of Silesia in Katowice)

BIODEGRADABLE POLYMERS AND THEIR USE IN CONTROLLED RELEASE OF MEDICINAL SUBSTANCES AND DRUGS

## 8 KAMILA GORCZYCA

(Medical University of Lublin)

DIET USED IN GESTATIONAL DIABETES AND THE COMPOSITION OF THE VAGINAL MICROBIOTA

## 9 KAROLINA KARAŚ

(University of Rzeszow)

RISKS ARISING FROM THE LACK OF FREE TIME DEVOTED TO CHILDREN IN THE AGE RANGE 9-14 YEARS IN THE OPINION OF FAMILY MEMBERS

# 10 KINGA KOGUT

(University of Rzeszów)

ASSESSMENT OF FITNESS AND PHYSICAL ACTIVITY LEVELS IN SCHOOL-AGED CHILDREN

## 11 DAWID KOŹLENIA

(Wroclaw University of Health and Sport Sciences)

IMPACT OF ISOMETRY BACK SQUAT ON JUMP HEIGHT IN TRAINED FEMALES

# 12 MONIKA KUŚMIERZ-WOJTASIK

(Pomeranian Medical University)

INFLUENCE OF PTERYGIUM REMOVAL SURGERY ON CORNEAL PARAMETERS

## 13 ADRIANNA LIEDKE

(University of Rzeszów)

PHYSICAL ACTIVITY LEVELS AND BODY COMPOSITION OF SCHOOL-AGED CHILDREN

#### 14 JAKUB MARTYŃSKI

(Poznan University of Medical Sciences)

USAGE OF REVERSE TRANSCRIPTASES IN MOLECULAR BIOLOGY

## 15 AGNIESZKA MITUŁA

("Chojna" Pharmacy)

CURRENT AND FUTURE THERAPIES IN TAM-RELATED CANCEROGENESIS (ENG)

## 16 WIKTORIA MONIKA PISKORZ

(Medical University of Białystok)

PROAPOPTOTIC ACTIVITY OF PROTEASOME INHIBITOR - MARIZOMIB - ON MELANOMA CANCER CELLS



## 17 KLAUDIA TOPOLSKA

(State University of Applied Sciences in Krosno)

KNOWLEDGE OF THE POLISH SOCIETY ON CANCER DISEASES TYPICAL FOR WOMEN

## 18 NATALIA WACEK

(University of Jan Kochanowski in Kielce, Collegium Medicum)

METHODOLOGY OF CORRECTIVE GYMNASTICS FOR CONCAVE BACKS

#### 19 ALEKSANDRA WOLSKA

(Wroclaw Medical University)

POPULATION COHORT STUDY OF WROCLAW CITIZENS (PICTURE): BASELINE REPORT FORM HEALTH STATUS OF CHILDREN AND THEIR PARENTS PARTICIPATING IN PICTURE PROJECT

## 20 MAGDALENA ZAPALSKA

(Medical University of Lublin)

MEASLES - EPIDEMIOLOGICAL SITUATION AND MAJOR CHALLENGES

# 21 JAN ZIĘBA

(Poznan University of Medical Sciences)

BACTERIOPHAGE – OUR ALLY IN THE FIGHT AGAINST THE GROWING PROBLEM – ANTIBIOTIC RESISTANCE

#### 22 WERONIKA ZIÓŁKOWSKA

(Ludwik Rydygier Collegium Medicum in Bydgoszcz, Nicolaus Copernicus University in Toruń)

TREATMENT OF MIGRAINE WITH CALCITONIN GENE-RELATED PEPTIDE RECEPTOR ANTAGONISTS

## 23 JOANNA ŻANDAREK

(Jagiellonian University)

INFLUENCE OF ENVIRONMENTAL FACTORS ON DRUG PHOTODEGRADATION

## **Posters**

# 1 BARTŁOMIEJ BRZOZOWSKI

(Medical University of Warsaw)

THE SIGNIFICANCE OF  $\mu$ -OPIOID RECEPTORS IN ETHANOL CONSUMPTION IN MICE SELECTED FOR HIGH AND LOW ENDOGENOUS OPIOID SYSTEM ACTIVITY – POSSIBLE IMPLICATIONS FOR ADDICTION (ENG)

#### 2 JUSTYNA DZIEDZIC

(Maria Curie Skłodowska University in Lublin)

BACTERIOPHAGES IN THE TREATMENT OF BACTERIAL DISEASES

## 3 SABINA GALINIAK

(Rzeszow University)

OXIDATIVE STRESS MARKERS IN URINE OF PATIENTS WITH BLADDER CANCER (ENG)

# 4 KATARZYNA GDULA

(Maria Curie-Skłodowska University)

3D BIOPRINTING TECHNOLOGY AND ITS PROSPECTS IN MEDICINE

# 5 DORIAN GŁADYSZ

(5th Military Clinical Hospital with the SP ZOZ Polyclinic in Krakow: Academy of Silesia in Katowice) POSSIBILITY OF USING BDNF PROTEIN AS A MOLECULAR MARKER OF LUMBOSACRAL INTERVERTEBRAL DISC DEGENERATIVE DISEASE

#### 6 MARCIN GRALEWSKI

(5th Military Clinical Hospital with the SP ZOZ Polyclinic in Krakow: Academy of Silesia in Katowice)
EXPRESSION OF THE GROWTH-ASSOCIATED PROTEIN 43 IN PATIENTS WITH INTERVERTEBRAL DISC
DEGENERATION

## 7 KAMIL JANAWA

(Pomeranian Medical University in Szczecin)

GLP-1 ANALOGUES AND THYROID TUMORS - REVIEW PAPER



#### 8 GRZEGORZ JANKOWSKI

(Medical University of Lublin)

DESIGNING AND GROWING THE NEW FLUORESCENT M. TUBERCULOSIS STRAIN

## 9 JOANNA KUBICA

(Pomeranian Medical University in Szczecin)

THE ROLE OF OXLDL AS A LAMP IN THE PATHOGENESIS OF ATHEROSCLEROSIS (ENG)

## 10 DARIA ŁASKAWIEC-ŻUŁAWIŃSKA

(Medical University of Silesia)

CAN WE TALK ABOUT POST-PANDEMIC STRESS DISORDER AMONG HEALTH CARE PERSONNEL?

#### 11 MARCEL MADEJ

(Medical University of Silesia)

BETULIN AND ITS DERIVATIVES AS NEW TREATMENT OPTIONS FOR COLORECTAL CANCER (ENG)

#### 12 ILONA NOWAK

(Medical University of Silesia)

SNP NOT SO STRANGE

#### 13 OLGA PAPRZYCKA

(Medical University of Silesia)

EPIGENETICS OF SELECTED MENTAL DISORDERS - AN OVERVIEW OF THE LATEST REASEARCH

#### 14 AGNIESZKA RUCZAJ

(Medical University of Bialystok)

THE IMPACT OF THE ADMINISTRATION OF THE EXTRACT FROM ARONIA MELANOCARPA L. BERRIES ON THE CONCENTRATION OF GH2AX (DNA HISTONE) IN THE BRAIN – AN EXPERIMENTAL STUDY IN AN ANIMAL MODEL REFLECTING LOW-LEVEL AND MODERATE HUMAN EXPOSURE TO CADMIUM (ENG)

#### 15 ROBERT SARNA

(Medical University of Silesia)

ANGELICA SINENSIS - HEALTH MESSENGER FOR THE LIVER

# 16 JULIA SECEMSKA

(Medical University of Silesia)

PROMISING ANTI-ONCOGENES IN THERAPY – PHYTOESTROGENS FOUND IN FOODS

## 17 MAGDALENA STACHURA

(Szpital sw. Rafala in Cracow; Jagiellonian University Medical College)

EPIDEMIOLOGICAL EVALUATION OF THE INCIDENCE OF GLIOBLASTOMA IN THE POLISH POPULATION TREATED AT ST. RAPHAEL'S HOSPITAL IN 2015-2018

# 18 KLAUDIA SUCHAŃSKA

(Wroclaw Medical University)

STUDY ON PHARMACOPOEIAL FOAM INDEX FOR SAPONIN-CONTAINING HERBAL DRUGS

## 19 MICHAŁ TOMASZEK

(Pomeranian Medical University in Szczecin)

EFFECT OF SUPPLEMENTATION WITH LION'S MANE (HERICIUM ERINACEUS) ON COGNITIVE ABILITIES IN HUMANS – A REVIEW PAPER

# 20 KATARZYNA ŻANDAREK

(University of Bielsko-Biala)

THE IMPACT OF BREASTFEEDING ON INFANT HEALTH

# TECHNICAL SCIENCES SESSION

# **On-line Presentations**

	On-line Presentations						
	11:50 – 12:00	Opening the Session and discussing technical matters					
1	12:00 – 12:10	IRENA BYLIŃSKA (University of Gdańsk) NEW NON-PROTEINOGENIC FLUORESCENT AMINO ACIDS: BENZOXAZOL-5-YL-ALANINE DERIVATIVES CONTAINING ACETYLENE UNIT					
2	12:10 – 12:20	PIOTR CIEPLIŃSKI (Proman Sp. z o.o.) THE USE OF ARTIFICIAL INTELLIGENCE FOR ADAPTIVE PRODUCTION PLANNING AND SCHEDULING IN THE PROMAN-PROMES APS SYSTEM					
3	12:20 – 12:30	JUSTYNA CZAJKA (Bydgoszcz University of Science and Technology) NEW LANTHANIDE-ION-DOPED LUMINESCENT HYBRID MATERIALS: A REVIEW					
4	12:30 – 12:40	JAROSŁAW DOMINKIEWICZ (ELWIKO Stanisław Dropik) DEVICE FOR MOUNTING MODULAR LIFT SHAFTS.					
5	12:40 – 12:50	EWELINA GODEK (Maria Curie-Skłodowska University in Lublin) THE INFLUENCE OF THE IONIC STRENGTH OF KCL AND CACL2 BACKGROUND ELECTROLYTES ON STABILIZING AND FLOCCULATING PROPERTIES OF THE AQUEOUS SEPIOLITE SUSPENSIONS IN THE PRESENCE OF CATIONIC STARCH					
6	12:50 – 13:00	ANGELIKA PRZECISZOWSKA (University of Gdańsk) INFLUENCE OF ACID-BASE BALANCE ON ELECTROCHEMICAL PROCESSES OF TRICLOSAN OXIDATION					
7	13:00 – 13:10	EWELINA WARMBIER (Poznan University of Technology) THE INFLUENCE OF METAL IONS ON VISCOELASTIC WORMLIKE MIXTURES WITH ZWITTERIONIC AND IONIC SURFACTANTS (ENG)					
8	13:10 – 13:20	KONRAD BRZYSKI (Silesian University of Technology)					

# **Presentations**

INFLUENCE OF SECONDARY PARAMETERS OF THE PRESS HARDENING PROCESS OF HIGH-STRENGTH STEEL IN INDUSTRIAL CONDITIONS ON THE MECHANICAL PROPERTIES

# 1 WOJCIECH BAŃKOSZ

(Cracow University of Technology)

INTERDISCIPLINARY NUMERICAL METHODS AND THEIR APPLICATIONS

# 2 KRZYSZTOF BARON

(Ofama Sp. z o.o.; Politechnika Opolska)

OF CAR BODY PARTS

INNOVATIVE DESIGN AND USAGE ON A NATIONAL SCALE, INTEGRATED COMPUTER-CONTROLLED VIBRATING CONVEYOR FOR EFFICIENT TRANSPORT OF VARIOUS SOLID MATERIALS

# 3 ANETA KALBARCZYK

(Warsaw University of Technology; Solid Energy Group LLC)
LIFEPO4 CATHODE MATERIAL COATINGS FOR LITHIUM-ION BATTERIES



#### 4 KATARZYNA KARWOWSKA

(University of Białystok)

INVESTIGATION OF THE INFLUENCE OF SELECTED TRITERPENE SAPOGENINS ON THE PROPERTIES OF LIPID MODEL BILAYERS: INTERFACIAL TENSION AND MICROELECTROPHORETIC STUDIES

## 5 MARIUSZ KOMOROWSKI

(Vivid Games S.A.)

PHYGAME - RESULTS OVERVIEW (ENG)

## 6 SARA KRAWCZYK

(University of Silesia)

HOW TO IMPROVE NEUROLOGICALLY ACTIVE DRUG DELIVERY SYSTEMS? (ENG)

## 7 PAULINA LASZUK

(University in Bialystok)

INVESTIGATION OF THE EFFECT OF KAEMPFEROL ON THE PROPERTIES OF LIPOSOMAL MEMBRANES

## 8 ADRIAN OLSZEWSKI

(University of Lodz)

LIPOIC ACID COMPLEXATION STUDIES EXTENDED TO DIETARY SUPPLEMENT ANALYTICS

#### 9 URSZULA SUDOMIR

(University of Lodz)

SALIVA AS A DIAGNOSTIC MATERIAL

## 10 MILDA SZLAUŻYS

(Adam Mickiewicz University in Poznań)

SYNTHESIS OF NEW INDOLE-URACIL BIOCONJUGATES WITH POTENT BIOLOGICAL ACTIVITY

## 11 WOJCIECH SZOT

(Gdansk University of Technology)

FUNCTIONALIZED POLYOLEFINS AS BITUMEN MODIFIERS – THE APPROACHES TOWARD A MODIFICATION OF VISCOELASTIC PROPERTIES OF ASPHALT ROADS (ENG)

# 12 SEBASTIAN SZUMSKI

(Vivid Games S.A.)

ADJUSTING THE DIFFICULTY LEVEL OF REAL-TIME GAMEPLAY FOR MOBILE GAMES USING PSBGEN TECHNOLOGY

## 13 WOJCIECH URBANIEC

(Magtherm sp z o.o.)

INNOVATIVE PROCESSES OF ENVIRONMENTALLY FRIENDLY ARCHITECTURAL PREFABS FORMING

## 14 JAKUB WASZAK

(Vivid Games S.A.)

GTF – GAME TESTING FRAMEWORK (ENG)

#### **Posters**

# 1 BARTOSZ ADAMKIEWICZ

(Gdynia Maritime University)

ANALYSIS OF MATERIALS FOR 3D PRINTING OF MARINE MACHINERY AND EQUIPMENT PARTS

# 2 DAMIAN ARENTOWICZ

(Gdynia Maritime University)

ANALYSIS OF TECHNOLOGY FOR 3D PRINTING OF MARINE MACHINERY AND EQUIPMENT PARTS

# 3 AGNIESZKA BAJER

(Adam Mickiewicz, University)

AMBIDENTATE LIGANDS AS PLATFORMS FOR EFFICITNE SYNTHESIS OF PD-BASED METALOSUPRAMOLECULAR CAGES



## 4 WOJCIECH BAŃKOSZ

(Cracow University of Technology)

CHARACTERIZATION OF MR FLUID WORKING IN PINCH MODE USING FINITE ELEMENT METHOD

## 5 JERZY DOROBISZ

(Military University of Technology in Warsaw)

ATTACK GRAPHS

#### 6 STANISŁAW KOWALIK

(Silesian University of Technology)

USE OF CLUSTERING FOR THE SALESMAN PROBLEM (ENG)

## 7 TOMASZ MAŃDOK

(Silesian University of Technology)

DETERMINATION OF MACROELEMENTS IN TAP WATER IN THE UPPER SILESIAN REGION

#### 8 PIOTR MICHAŁOWSKI

(Poznan University of Technology)

MULTIFUNCTIONAL THERAPEUTIC IN THE FIGHT AGAINST DISEASES OF CIVILIZATION – TRI-ELEMENT PRODRUGS

# 9 FILIP RĘKAS

(Rzeszów University of Technology)

PREDICTING THE NUMBER – AND WEIGHT-AVERAGE MOLECULAR WEIGHT OF A POLYMER USING A NEURAL NETWORK

## 10 ANNA SHYSH

(University of Lodz)

MAGNETIC CONTROL OF A STEERABLE GUIDEWIRE UNDER ULTRASOUND GUIDANCE USING MOBILE ELECTROMAGNETS (ENG)

## 11 PRZEMYSŁAW ZAWADZKI

(Folnet Sp. z o. o. Sp. k.)

DESIGN OF AN IT SYSTEM FOR DATA PROCESSING IN THE SHEET METAL CLINCHING OPERATION IN THE MANUFACTURING OF ROOF ACCESSORIES

# NATURAL SCIENCES SESSION

# **On-line Presentations**

11:50 – 12:00 <b>O</b> nen			
	ing the Session		

# 1 12:00 – 12:10 STANISŁAW CIECHANOWSKI

(University of Warmia and Mazury in Olsztyn)

GLYPHOSATE-INDUCED ALTERATIONS IN THE GALANIN-LIKE IMMUNOREACTIVE ENTERIC NEURONS IN THE PORCINE SMALL INTESTINE

#### 2 12:10 – 12:20 KATARZYNA KOŁODZIŃSKA

(University of Science and Technology)

PLANT AND MICROALGAE-DERIVED COMPOUNDS AS FUNCTIONAL ADDITIVES IN HYDROGELS IN FOOD APPLICATION

## 3 12:20 – 12:30 **ADRIANNA MICHNIEWICZ**

(University of Warmia and Mazury in Olsztyn)

ASSESSING THE EFFECTS OF GLYPHOSATE SUPPLEMENTATION ON THE POPULATION OF IMMUNOREACTIVE (LI) VIP-TYPE INTESTINAL NEURONS IN THE PORCINE ILEUM.

## 4 12:30 – 12:40 **ADRIANNA MICHNIEWICZ**

(University of Warmia and Mazury in Olsztyn)

SELENIUM AND VITAMI E DEFICIENCY IN CATTLE – A CASE REPORT



#### **Presentations**

#### 1 JUSTYNA GORZKIEWICZ

(University of Rzeszow)

XENOBIOTICS AND MICROPLASTICS - TOXIC EFFECT ON ALGAE

## 2 SANDRA GRABA

(Maria Curie-Skłodowska University in Lublin)

EFFECTS OF DRUG INDUCED ENVIRONMENTAL POLLUTION ON FLORA AND FAUNA

# 3 PAULINA KSIĄŻEK-TRELA

(University of Rzeszow)

THE EFFECT OF NATURAL AND BIOLOGICAL PESTICIDES ON DEGRADATION OF SYNTHETIC PESTICIDES

## 4 MARZENA MAZUREK

(University of Rzeszow)

ASSESSMENT OF THE AGRICULTURAL PRODUCTION SPACE OF CEREALS IN THE DISTRICTS OF THE PODKARPACKIE VOIVODESHIP IN 2010-2020 YEARS

# 5 ALEKSANDRA RĄCZKA

(West Pomeranian University of Technology)

INFLUENCE OF C2 AND C9 GENE POLYMORPHISMS ON MASTITIS RESISTANCE IN BLACK-AND-WHITE HOLSTEIN COWS (ENG)

# 6 MAGDALENA ŚPIEWAK

(West Pomeranian University of Technology)

POLYMORPHISM IN EXON 4 OF THE SLC35A2 GENE IN REFERENCE TO THE MILK YIELD IN POLISH HOLSTEIN-FRIESIAN CATTLE (ENG)

#### **Posters**

#### 1 CHROBAK DARIA

(Polish Society of Bioinformatics and Data Science – BIODATA)

INTORDUCTION TO MICROBIAL AND SUSCEPTIBILITY IDENTIFICATION WITH ML METHODS (ENG)

#### 2 NIKOLA DŁUŻNIEWSKA

(Poznan University of Economics and Business)

SURFACTANTS AND THEIR IMPACT ON THE NATURAL ENVIRONMENT

# 3 DOROTA GENDASZEWSKA

(Łukasiewicz Research Network, Lodz Institute of Technology)

A NEW FOLIAR PREPARATION THAT STIMULATES THE GROWTH OF COMMON WHEAT (TRITICUM AESTIVUM L.)

#### 4 DOMINIKA GULDA

(Scientific-Didactic Council, Bydgoszcz Zoological Garden, Forest Park for Culture and Leisure in Bydgoszcz)
MOTIVATOR AND DEMOTIVATOR AS A STRESS FACTOR IN WORKING WITH AFRICAN PORCUPINE
AT THE ZOO (ENG)

# 5 DOMINIKA GULDA

(Scientific-Didactic Council, Bydgoszcz Zoological Garden, Forest Park for Culture and Leisure in Bydgoszcz)
THERMOGRAPHIC ASSESSMENT OF THE LEVEL OF ADAPTIVE STRESS OF THE SOMALI WILD ASS – CASE REPORT (ENG)

#### 6 NATALIA JASZEK

(Maria Curie-Skłodowska University in Lublin)

FUNGI DEGRADING PLASTICS - CHARACTERISTICS OF SELECTED SPECIES AND PROSPECTS FOR THEIR USE IN COMBATING ENVIRONMENTAL POLLUTION



# 7 WIKTORIA JEDRYS

(Maria Curie-Sklodowska University in Lublin)

EFFECTS OF GUT MICROBIOTA ON STRESS AND DEPRESSION

## 8 WERONIKA KOŃCZEWSKA

(West Pomeranian University of Technology in Szczecin)

NEW PROSPECTS FOR COUNTERACTING REDUCED FERTILITY OF BULLS

## 9 WERONIKA KOSTAŃSKA

(Adam Mickiewicz University in Poznań)

NEW TECHNOLOGIES AS AN OPPORTUNITY FOR TOURISM DEVELOPMENT IN THE MIEDZYZDROJE MUNICIPALITY

# 10 POLINA KOZLOVSKA

(University of Szczecin. Polish Society of Bioinformatics and Data Science BIODATA)

O-LEARNING: A NOVEL APPROACH TO UNDERSTANDING BIOLOGY

## 11 ADRIANNA KRZEMIŃSKA

(University of Szczecin; Polish Society of Bioinformatics and Data Science BIODATA)

INTRODUCTION TO BIOPYTHON

#### 12 KLAUDIA LEWITA

(University of Szczecin, Polish Society of Bioinformatics and Data Science BIODATA)

**BIOINFORMATICS IN FOCUS** 

## 13 NATALIA LISIECKA

(Poznan University of Technology)

DO IONIC LIQUIDS EXHIBIT INDEPENDENT CATIONIC AND ANIONIC BEHAVIOUR WHEN SORBED IN A SOIL CONTAINING MICROPLASTICS? (ENG)

# 14 NATALIA MIKOŁAJCZAK

(University of Warmia and Mazury in Olsztyn)

INFLUENCE OF VINYL PHENOLIC DERIVATIVES ON THE QUALITY OF COLD-PRESSED FLAXSEED OIL WITH DIFFERENT WATER CONTENTS DURING STORAGE (ENG)

# 15 KATARZYNA MIŚKIEWICZ

(Łukasiewicz Research Network, Lodz University of Technology)

INVESTIGATION OF THE EFFECT OF PROTEIN BIOSTIMULATORS ON THE GROWTH OF WINTER WHEAT USING PHYTOTESTS

# 16 KAROLINA PAKUŁA

(Poznan University of Economics and Business)

FUNCTIONAL PROPERTIES AND DIRECTIONS OF APPLICATION OF HEMP OIL

## 17 MACIEJ RAJTAR

(University of Life Sciences in Lublin)

THE STUDY OF CORDYCEPS MILITARIS ON BREEDING HELIX POMATIA (ENG)

# 18 JACEK ROGALSKI

(Poznań University of Life Sciences)

DETERMINATION OF INCREASING DOSES OF ASH FROM LIGNITE COMBUSTION TO SOIL ON SELECTED CHEMICAL PROPERTIES OF SOILS