



12th edition

National Scientific Conference
"e-FACTORY OF SCIENCE"

November 23, 2024

Conference Schedule

On-line Presentations

- 09:50 – 10:00 **Opening the Session and discussing technical matters**
- 1 10:00 – 10:10 **MAREK BRYJA**
University of Ss. Cyril and Methodius in Trnava, SLOVAKIA
THE ROLE OF EDUCATION IN THE PRESERVATION OF THE SLOVAK LANGUAGE AS A NATIONAL MINORITY LANGUAGE IN POLAND: ANALYZING THE FUNCTIONS OF EDUCATIONAL INSTITUTIONS AND THE CHALLENGES FACED BY THE EDUCATION SYSTEM
- 2 10:10 – 10:20 **JAN BOMBUY GIMENEZ**
Medical University of Warsaw
THE ROLE OF ANTISEPTICS IN OPHTHALMOLOGY
- 3 10:20 – 10:30 **TOMASZ BŁASZCZYŃSKI**
Poznań University of Technology
SYSTEMIC TIMBER CONSTRUCTION TECHNOLOGY FOR THE CONSTRUCTION OF ZEOZ
- 4 10:30 – 10:40 **PAULINA FERENC**
Cracow University of Technology
WOODEN ARCHITECTURE – PAST OR FUTURE?
- 5 10:40 – 10:50 **ANNA GAWRON**
Centre of Polymer and Carbon Materials Polish Academy of Sciences
FUNCTIONALIZED CARBON NANOTUBES WITH OPTIMIZED METAL OXIDES FOR ENHANCED ELECTROCHEMICAL GLUCOSE SENSING
- 6 10:50 – 11:00 **SZYMON JANECKI**
Cracow University of Technology
ANALYSIS OF BETALAINS AND THEIR ANTIOXIDANT ACTIVITY IN AMARANTHUS CRUENTUS L.
- 7 11:00 – 11:10 **WERONIKA ZUBA**
Rzeszów University of Technology
CURRENT STATUS AND FUTURE PROSPECTS OF PHOTOCATALYSTS USED IN METAL-FREE ATRP

PRESENTATIONS SESSION

- 1 **JOANNA CHRZĄSZCZ**
State University named after Jan Grodek in Sanok
TAXES IN POLAND-DEFINITION AND SCOPE
- 2 **KATARZYNA ROSZKOWSKA**
University of Silesia
EDUSCRUM AND ITS IMPACT ON MOTIVATION IN FOREIGN LANGUAGE LEARNING (ENG)
- 3 **DOMINIKA SZTAJTER**
University of Warmia and Mazury in Olsztyn
FOUR-LEGGED THERAPISTS – HOW CANINE-ASSISTED THERAPY CAN CHANGE A LIFE



- 4 **ANGELIKA DŁUGOSZ-POKORSKA**
Medical University of Lodz
EXPLORATION OF A NEW URACIL ANALOG AS AN ABC TRANSPORTER INHIBITOR IN TAXOL-RESISTANT MCF-7/TX CELLS (ENG)
- 5 **GUERGUER MOHAMED AYMEN**
Jan Kochanowski University
SUDDEN CARDIAC DEATH (ENG)
- 6 **WIKTOR PERZ**
Jan Kochanowski University of Kielce, Collegium Medicum
CLINICAL DILEMMAS – WHAT YOU SHOULD KNOW ABOUT THE TOPIC OF IRON DEFICIENCY ANEMIA
- 7 **JANINA RZESZOT**
Higer Professional School
PHISOTHERAPY AND TRAINING, INJUARY PROBLEMS IN YOUNG FOOTBALL PLAYERS (ENG)
- 8 **MALGORZATA LATOSZEWSKA**
Warsaw University of Life Sciences-SGGW
INNOVATIVE FAT SUBSTITUTES IN MEAT PRODUCTS
- 9 **MALGORZATA LATOSZEWSKA**
Warsaw University of Life Sciences-SGGW
INFLUENCE OF HOMOGENIZATION TIME AND TEMPERATURE ON THE PHYSICOCHEMICAL PROPERTIES OF COLLAGEN-AGAR EMULSION GELS
- 10 **NATALIA ROGOSCH**
Wroclaw University of Environmental and Life Sciences
APPLICATION OF BIOINFORMATICS TOOL IN METABOLIC PROFILING FOR IN VITRO MODEL STUDY OF METABOLIC SYNDROME IN HORSES (ENG)
- 11 **JAROSŁAW DOMINKIEWICZ**
ELWIKO Stanisław Dropik
STUDY ON DEVELOPMENT OF INNOVATIVE CONTROL OF LIFTING EQUIPMENT RPZP.01.01.00-32-0024/20
- 12 **ZUZANNA JURKIEWICZ**
University of Lodz
NTIOXIDANT PROPERTIES OF EXTRACTS FROM GREEN PARTS OF CARROT AND PARSLEY
- 13 **MONIKA KOPEĆ**
Lodz University of Technology
RAMAN IMAGING – A VALUABLE TOOL FOR TRACKING FATTY ACID METABOLISM-NORMAL AND CANCER HUMAN COLON SINGLE-CELL STUDY (ENG)
- 14 **BRYGIDA STANEK**
Poznan University of Economics and Business
ELECTRIC CARS: CHALLENGES AND IMPACT ON THE ENVIRONMENT

POSTERS SESSION

- 1 **DOMINIKA SZTEJTER**
University of Warmia and Mazury in Olsztyn
COMPUTER GAMES AND THE PERSONALITY OF A PLAYER



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- 2 **JAKUB BORUŃ**
Poznań University of Economics
 THE IMPACT OF THE CSRD DIRECTIVE ON CORPORATE SUSTAINABILITY STRATEGIES
- 3 **ADAM BĘBEN**
Medical University of Gdańsk
 ORAL COLONIZATION OF DENTURE USERS BY GRAM-NEGATIVE BACILLI
- 4 **KATARZYNA JUSZCZUK**
Medical University of Gdańsk
 ORAL OCCURRENCE OF CANDIDA SPECIES IN PATIENTS USING REMOVABLE DENTURES
- 5 **MARTA KATKOWSKA**
Medical University of Gdansk
 THE OCCURRENCE OF GRAM-NEGATIVE BACILLI IN THE ORAL CAVITY IN ADOLESCENTS: THE SOPKARD-JUNIOR STUDY (ENG)
- 6 **MONIKA KUŚMIERZ-WOJTASIK**
Pomeranian Medical University
 ASSESSMENT OF THE STABILIZATION OF CORNEAL TOPOGRAPHIC PARAMETERS AFTER DESCEMET'S MEMBRANE TRANSPLANTATION IN LONG-TERM FOLLOW-UP (ENG)
- 7 **ERYK PRAJWOS**
Pomeranian Medical University in Szczecin
 GLP-1 ANALOGS VS PERIODONTITIS PROGRESSION IN DIABETES TYPE 2 (ENG)
- 8 **MAŁGORZATA POLISZAK**
Jagiellonian University Medical College
 THE EFFECT OF THE ADDITION OF ORGANIC AND INORGANIC MG SALTS ON THE EFFICIENCY OF BIOMATERIAL-BIOMASS GROWTH FROM IN VITRO CULTURES
- 9 **ANNA JEZIOREK**
Jagiellonian University Medical College
 APPLICATION OF BIOMATERIAL-BIOMASS FROM IN VITRO CULTURES AS AN EFFECTIVE SORPTION MATERIAL
- 10 **ALEKSANDRA ZYCH**
Jagiellonian University Medical College
 EFFECTIVENESS OF CEFIDEROKOL® COMBINATION WITH SILVER NANOPARTICLES (AGNPS) ON GRAM(+) AND GRAM(-) BACTERIA
- 11 **JOANNA ZONTEK-WILKOWSKA**
Jagiellonian University Medical College
 SURFACE PREPARATION AND ANTIBACTERIAL PROPERTIES
- 12 **DOMINIKA GULDA**
Scientific-Didactic Council, Bydgoszcz Zoological Garden Forest Park for Culture and Leisure "Myślęcinek" in Bydgoszcz
 MEDICAL TRAINING OF THE MANED NYALA (TRAGELAPHUS ANGASII) HERD CONDUCTED IN THE BYDGOSZCZ ZOO, BASED ON POSITIVE REINFORCEMENT OF THE EXPECTED BEHAVIOR PATTERN (ENG)
- 13 **DOMINIKA GULDA**
Scientific-Didactic Council, Bydgoszcz Zoological Garden Forest Park for Culture and Leisure Myślęcinek in Bydgoszcz
 MONITORING ADAPTIVE STRESS IN A PAIR OF LYNXES (LYNX LYNX) DURING ENCLOSURE CHANGE AT THE ZOO (ENG)
- 14 **MONIKA LIK**
Scientific-Didactic Council, Bydgoszcz Zoological Garden Forest Park for Culture and Leisure Myślęcinek in Bydgoszcz
 PREPARATION OF EDUCATIONAL EXHIBITS IN THE ZOO: THE CASE OF THE TARANTULA EXHIBIT (THERAPHOSIDAE) (ENG)



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15 **MONIKA LIK**

Scientific-Didactic Council, Bydgoszcz Zoological Garden Forest Park for Culture and Leisure Myślęcinek in Bydgoszcz
LOCATION AND PROTECTION OF THE SITES OF SCARLET WAXCAP (HYGROCYBE COCCINEA) AND
ONION-STALK PUFFBALL (SCLERODERMA CEPA) IN THE ZOO AS AN ELEMENT OF ENVIRONMENTAL
EDUCATION (ENG)

16 **NATALIA ROGOSCH**

Wrocław University of Environmental and Life Sciences

DEEP LEARNING IN METABOLOMICS: APPLICATIONS, CHALLENGES, AND OPPORTUNITIES (ENG)

17 **AGATA BARAN**

Military University of Technology

SYNTHESIS AND INVESTIGATION OF ADVANCED MG-Fe NANOCOMPOSITE FORMED BY THE
DECOMPOSITION OF TERNARY MAGNESIUM-IRON HYDRIDE (ENG)

18 **GRZEGORZ DERŁĘGA**

Wrocław University of Science and Technology

RISK ASSESSMENT IN THE PROCESS OF IMPLEMENTING A NEW PRODUCT FOR SERIES PRODUCTION
(ENG)

19 **EDYTA DUDKIEWICZ**

Wrocław University of Science Technology

THE HEAT TALE AS AN EXAMPLE OF INTRODUCING PRESCHOOLERS TO TECHNICAL KNOWLEDGE
OF BUILDING THERMAL MODERNIZATION

20 **JAKUB STUGLIK**

Tymbark MWS Sp. z o.o.

OPTIMALIZATION OF THE BIOLOGICAL PROCESS OF WASTEWATER PURIFICATION, BY USAGE OF THE
INNOVATIVE METHOD OF NEUTRALIZING PERACETIC ACID AND IMPROVING THE CONDITION OF THE
BIOREACTOR ACTIVATED SLUDGE