



29-30 November 2021

Conference Program

Place: on-line

Conference Time is in Central European Time.

DAY1 Monday, 29th November

9:50-10:00 Conference Opening and Introduction

Morning Oral Session – Chairman Tomáš Bakalár

Circular Economy

10:00-10:15 **ANTIBIOTICS IN THE SEWAGE SLUDGE - OCCURRENCE, FATE, POSSIBILITY OF REDUCTION: A PRESENT STATE**

Authors: Wioleta BOLESTA, Marcin GŁODNIOK, Katarzyna STYSZKO
Presenter: PhD. student **WIOLETA BOLESTA**, AGH University of Science and Technology, Krakow, Poland

10:15-10:30 **RETENTION PARKING LOTS ON THE PRINCIPLE OF CIRCULAR ECONOMY**

Author: Matej PLESNIK
Presenter: Mr. **MATEJ PLESNÍK**, Národná recyklačná agentúra Slovensko, Zvolen, Slovak Republic

Economy, Management and Financing

10:30-10:45 **SELECTED INNOVATION TOOLS IN DESIGNING PROCESS MANAGEMENT**

Authors: Tomáš NOVOTNÝ, Simona NOVOTNÁ
Presenter: PhD. student **SIMONA NOVOTNÁ**, Národný energetický klaster NEK, Bratislava, Slovak Republic

Water Treatment

10:45-11:00 **SUSTAINABLE MANAGEMENT STRATEGIES FOR TREATED WASTEWATER IN MEDITERRANEAN REGION: LEBANON CASE**

Author: Ahmad ELMOLL
Presenter: Assoc-Prof. **AHMAD ELMOLL**, Lebanese university, Tripoli, Lebanon

11:00-11:15 **MONITORING WATER RESOURCES IN ENVIRONMENT: A PUBLIC HEALTH CONCERN**

Authors: Rupak KUMAR, Anuradha SAHA
Presenter: Dr. **RUPAK KUMAR**, CDSCO, New Delhi, India



29-30 November 2021

Mining, Processing and Recovery of Raw Material

ELEMENTAL ANALYSIS OF CONTAMINATED BIOMASS ASHES FOR PHYTOMINING OF RARE EARTH ELEMENTS

11:15-11:30 Authors: Phi Truong DINH, Zsolt DOBÓ, Helga KOVÁCS
Presenter: PhD. student **PHI TRUONG DINH**, University of Miskolc, Miskolc, Hungary

UPGRADING AND MECHANICAL ACTIVATION OF HUNGARIAN LIGNITE TYPE FLY ASH

11:30-11:45 Authors: Mária AMBRUS, Gábor MUCSI
Presenter: PhD. student **MÁRIA AMBRUS**, University of Miskolc, Miskolc, Hungary

Applied Ecology

ENVIRONMENTAL PROBLEMS OF MINING AND PROCESSING OF ZIRCONIUM ORES

11:45-12:00 Authors: Eleonora BUTENKO, Alexey KAPUSTIN, Olena DAN
Presenter: Dr. **ELEONORA BUTENKO**, Priazovskiy State Technical University, Mariupol, Ukraine

Afternoon Oral Session – Chairwoman Lucia Bednárová

Energy

SCARCITY OF BATTERY-RELATED MINERALS PRICE ANALYSIS

13:00-13:15 Author: Maciej MRÓZ
Presenter: Assist.-Prof. **MACIEJ MRÓZ**, Warsaw School of Economics, Warsaw, Poland

USAGE OF UAV IN POWER INDUSTRY

13:15-13:30 Author: Andrzej SIUDA, Krzysztof STRZĘPEK
Presenters: Mr. **ANDRZEJ SIUDA** and Mr. **KRZYSZTOF STRZĘPEK**, Rzeszow University of Technology, Rzeszów, Poland

Sustainable Development

THE EFFICIENCY OF LOGISTICAL PROCESSES – THE ECONOMIC ASPECT BASED ON THE EXAMPLE OF ENTERPRISES LOCATED IN POLAND

13:30-13:45 Author: Paulina BEŁCH
Presenter: Dr. **PAULINA BEŁCH**, Rzeszow University of Technology, Rzeszów, Poland

STANDARDIZATION CHALLENGES FACING POLAND AND GEORGIA IN TERMS OF SUSTAINABLE DEVELOPMENT

13:45-14:00 Authors: Marzena HAJDUK-STELMACHOWICZ, Avtandil SVIANADZE
Presenters: Assist.-Prof. **MARZENA HAJDUK-STELMACHOWICZ** and Mr. **AVTANDIL SVIANADZE**, Georgian Aviation University, Tbilisi, Georgia



29-30 November 2021

14:00-14:15 **PRODUCT QUALITY MANAGEMENT TAKING INTO ACCOUNT THE CONCEPT OF SUSTAINABLE DEVELOPMENT**
Authors: Andrzej PACANA, Marzena HAJDUK-STELMACHOWICZ, Karolina CZERWIŃSKA
Presenters: Prof. **ANDRZEJ PACANA**, Assist.-Prof. **MARZENA HAJDUK-STELMACHOWICZ** and Ms. **KAROLINA CZERWIŃSKA**, Rzeszow University of Technology, Rzeszów, Poland

14:15-14:30 **CONCEPT OF MODEL PREDICTION PRODUCT QUALITY CONSIDERING SUSTAINABILITY DEVELOPMENT CRITERIA**
Authors: Dominika SIWIEC, Andrzej PACANA
Presenters: PhD. student **DOMINIKA SIWIEC** and Prof. **ANDRZEJ PACANA**, Rzeszow University of Technology, Rzeszów, Poland

Evening Poster Session – Chairwoman Zuzana Hajduová

Circular Economy

15:00-15:05 **POTENTIAL OF THE CIRCULAR ECONOMY FOR THE EUROPEAN UNION CONSTRUCTION SECTOR**
Authors: Andrei ORLOV, Sergei LEVCHENKO
Presenter: Dr. **SERGEI LEVCHENKO**, NEST Association, Sofia, Bulgaria

15:05-15:10 **WASTE MANAGEMENT IN THE CONTEXT OF THE EUROPEAN GREEN DEAL IMPLEMENTATION**
Author: Wojciech DEREJ
Presenter: Mr. **WOJCIECH DEREJ**, University of Economic in Katowice, Katowice, Poland

Economy, Management and Financing

15:10-15:15 **HEALTH BELIEF MODEL AS A MARKETING TOOL AND ITS PERSPECTIVE IN THE CONTEXT OF FUTURE NEUROMARKETING RESEARCH**
Authors: Ivan UHER, Milena ŠVEDOVÁ, Iveta CIMBOLÁKOVÁ, Zuzana BIRKNEROVÁ, Eva BENKOVÁ
Presenter: Dr. **MILENA ŠVEDOVÁ**, Prešov University in Prešov, Faculty of Management, Prešov, Slovak Republic

Energy

15:15-15:20 **PYROLYSIS OF PLASTIC WASTE FOR TRANSPORTATION FUEL PRODUCTION**
Authors: Balázs HEGEDÜS, Zsolt DOBÓ
Presenter: PhD. student **BALÁZS HEGEDÜS**, University of Miskolc, Miskolc, Hungary



29-30 November 2021

Sustainable Development

COMPARISON OF ALTERNATIVE METHODS OF THE TANK WAGON VOLUME DETERMINATION

15:20-15:25

Authors: Tibor KRENICKÝ, Jozef MASCENIK, Stefania OLEJAROVA, Slavko PAVLENKO

Presenter: Assoc-Prof. **TIBOR KRENICKÝ**, Technical university of Košice, Prešov, Slovakia

Water Treatment

USE OF ZEOLITE AS A FILTER TO CAPTURE OPPORTUNISTIC PATHOGENS IN WATER

15:25-15:30

Authors: Monika SUČIK, Alexandra VALENČÁKOVÁ, Richard GALAJDA

Presenter: PhD. student **MONIKA SUČIK**, University of veterinary medicine and pharmacy in Košice, Košice, Slovak Republic

PRACTICAL POSSIBILITIES OF MICROPLASTICS REMOVAL FROM WATER AND WASTEWATER

15:30-15:35

Authors: Ewa WIŚNIEWSKA, Mariusz KOWALCZYK, Iwona ZAWIEJA

Presenter: Prof. **EWA WIŚNIEWSKA**, Czestochowa University of Technology, Czestochowa, Poland

Veterinary Sciences

HAEMATOLOGICAL STATUS OF SELECTED BREEDS OF PIGS IN ORGANIC AND CONVENTIONAL BREEDING

15:35-15:40

Authors: Janka PORÁČOVÁ, Vincent SEDLÁK, Melinda NAGY, Marta MYDLÁROVÁ BLAŠČÁKOVÁ, Mária KONEČNÁ, Tatiana KIMÁKOVÁ, Janka KOTOSOVÁ

Presenter: Prof. **JANKA PORÁČOVÁ**, Prešov University in Prešov, Faculty of Humanities and Natural Sciences, Prešov, Slovak Republic

COVID-19 AND ANIMALS

15:40-15:45

Authors: Alexandra VALENČÁKOVÁ-AGYAGOSOVÁ, František LEŠNÍK, Slavomír HORŇÁK,

Mária FIGUROVÁ, Enrico STEFANIZZI, Ľubica HORŇÁKOVÁ

Presenter: Dr. **ALEXANDRA VALENČÁKOVÁ-AGYAGOSOVÁ**, University of Veterinary Medicine and Pharmacy in Košice, Košice, Slovak Republic

ULTRASONOGRAPHIC STUDY: MEASUREMENT OF KIDNEYS SIZE IN DOGS

15:45-15:50

Authors: Mária FIGUROVÁ, Alexandra VALENČÁKOVÁ-AGYAGOSOVÁ, Ľubica HORŇÁKOVÁ

Presenter: Dr. **MÁRIA FIGUROVÁ**, University of Veterinary Medicine and Pharmacy in Košice, Košice, Slovak Republic



29-30 November 2021

15:50-15:55 **SEMEN COLLECTION AND CRYOPRESERVATION IN DOGS**
Authors: Enrico STEFANIZZI, Ľubica HORŇÁKOVÁ, Alexandra VALENČÁKOVÁ
Presenter: Dr. **ENRICO STEFANIZZI**, University of Veterinary Medicine and Pharmacy in Košice, Košice, Slovak Republic

Applied Ecology

15:55-16:00 **ENVIRONMENTAL IMPACT OF SELECTED HEAVY METALS ON ENVIRONMENTAL QUALITY AND HEALTH**
Authors: Iveta CIMBOLÁKOVÁ, Tomáš BAKALÁR, Ivan UHER, Milena ŠVEDOVÁ, Henrieta PAVOLOVÁ
Presenter: Assoc-Prof. **IVETA CIMBOLÁKOVÁ**, Pavol Jozef Šafárik University in Košice, Košice, Slovak Republic

16:00-16:05 **FRESHWATER SHRIMP *NEOCARIDINA DAVIDI* – PERSPECTIVE MODEL ORGANISM**
Author: Richard GALAJDA
Presenter: Dr. **RICHARD GALAJDA**, University of Veterinary Medicine and Pharmacy in Košice, Košice, Slovak Republic

16:05-16:10 **EVALUATION OF THE MICROBIAL LOAD OF THE BAKERY ENVIRONMENT**
Authors: Mária VARGOVÁ, Nad'a SASÁKOVÁ, Rudolf HROMADA, Katarína VESZELITS LAKTIČOVÁ, Ján KACHNIČ
Presenter: Dr. **MÁRIA VARGOVÁ**, University of Veterinary Medicine and Pharmacy in Košice, Košice, Slovak Republic

16:10-16:15 **IMPACT OF CARCASS DISPOSAL ON WATER SUPPLIES**
Authors: Daniela TAKÁČOVÁ, Nad'a SASÁKOVÁ
Presenter: Assoc-Prof. **DANIELA TAKÁČOVÁ**, University of Veterinary Medicine and Pharmacy in Košice, Košice, Slovak Republic



29-30 November 2021

DAY2 Tuesday, 30th November

9:50-10:00 Introduction

Applied Ecology in Practice (in Slovak)

10:00-12:00 **Aplikovaná ekológia v praxi
seminár v rámci projektu KEGA 001UVLF-4/2020**

Chairwomen: Naďa Sasáková and Henrieta Pavolová

1. **Súčasný stav riešenia environmentálnych záťaží v podmienkach SR**
Tomáš PASTYRČÁK, Martin MIZER, Martin OCILKA, Jana OCILKOVÁ
2. **Alternatívne biotesty na bezstavovcoch**
Richard GALAJDA, Katarína BEŇOVÁ
3. **Aplikácia antikoagulačných rodenticídov na pôdu a ich rezíduá v rámci dopadov na životné prostredie**
Rudolf HROMADA, Naďa SASÁKOVÁ, Tomáš BAKALÁR, Henrieta PAVOLOVÁ, Ján KACHNIČ, Ľubica HORŇÁKOVÁ, Alexandra VALENČÁKOVÁ-AGYAGOSOVÁ
4. **Využitie prídavku zeolitu a vápna na úpravu čistiarenskeho kalu z hľadiska zníženia dopadov na životné prostredie**
Ján KACHNIČ, Naďa SASÁKOVÁ, Henrieta PAVOLOVÁ, Tomáš BAKALÁR, Mária VARGOVÁ, Rudolf HROMADA
5. **Vplyv brownfieldov na kvalitu životného prostredia**
Martin MIZER, Tomáš PASTYRČÁK, Alexander TOKARČÍK
6. **Posúdenie vplyvu odkaliska na životné prostredie a návrh jeho rekultivácie**
Tomáš BAKALÁR, Henrieta PAVOLOVÁ, Naďa SASÁKOVÁ, Rudolf HROMADA, Lucia BEDNÁROVÁ, Zuzana HAJDUOVÁ, Alexandra VALENČÁKOVÁ-AGYAGOSOVÁ, Ľubica HORŇÁKOVÁ, Alexander TOKARČÍK