

International Scientific Conference

Engineering and Natural Sciences for a Sustainable and Resilient Future

Dear colleagues, researchers, and students,

We are pleased to welcome you to the International Scientific Conference “Engineering and Natural Sciences for a Sustainable and Resilient Future.”

This conference brings together research in environmental systems, land use, engineering, and applied technologies, highlighting the importance of sustainable solutions, digital innovation, and interdisciplinary collaboration. Particular attention is given to spatial data, geodesy, environmental management, and the role of emerging technologies, including artificial intelligence, in both research and education.

We are especially pleased to include student contributions, reflecting the growing involvement of young researchers in addressing current scientific and societal challenges.

We wish you a productive and inspiring conference.

Scientific–organizing committee

assoc. prof. dr. Edita Abalikštienė

Lietuvos Inžinerijos Kolegija | HEI, Lithuania

assoc. prof. dr. Inga Grinfelde

Latvia University of Life Sciences and Technologies, Latvia

assoc. prof. dr. Vilda Grybauskienė

Lietuvos Inžinerijos Kolegija | HEI, Lithuania

assoc. prof. dr. Valda Gudynaitė - Franckevičienė

Lietuvos Inžinerijos Kolegija | HEI, Lithuania

Skaistė Mencevičienė

Lietuvos Inžinerijos Kolegija | HEI, Lithuania

prof. dr. Ulaş Şenyigit

Isparta University of Applied Sciences, Isparta, Turkey

assoc. prof. dr. Jolanta Valčiukienė

Vytautas Magnus University, Lithuania



Plenary Session

09:00–10:30 (EEST)

Moderator: dr. Vilda Grybauskienė and Haq Nawaz

Connect

OPENING OF THE CONFERENCE AND WELCOME

Dr. Lina Girdauskienė, Director

Dr. Vilda Grybauskienė, Head of the Applied Research and Experimental Development Centre

EU CARBON CERTIFICATION SYSTEM (CRCF) AND PREPARATION FOR ITS IMPLEMENTATION IN LITHUANIA

Ažukaitė Ernesta, Lithuanian State Forest Service, Lithuania

INDUSTRY-ORIENTED RESEARCH INTO INNOVATIVE, SUSTAINABLE, AND ENVIRONMENTALLY FRIENDLY MATERIAL SOLUTIONS FOR MICROELECTRONICS

Knechtel Roy, Lukas Hauck, Micaela Wenig, Arti Rana, Macjonathan Okereke, Martin Seyring, Schmalkalden University of Applied Sciences, Germany.

TOWARDS AN INTEGRATED LAND-USE CHANGE MONITORING SYSTEM: A GIS-BASED APPROACH FOR SUSTAINABLE MANAGEMENT OF AGRICULTURAL AND FOREST AREAS

Czajka Agnieszka, Politechnika Koszalińska, Poland; Krystyna Kurowska, University of Warmia and Mazury in Olsztyn, Poland.

PREVALENCE OF GAMBLING AMONG LIK STUDENTS: RESEARCH PRESENTATION

Vitkauskas Kęstutis, Jolita Bučelienė, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.



Engineering, applied technologies and education

ON-LINE PRESENTATIONS 10:30–12:30 (EEST)

Moderator: dr. Edita Abalikštienė and dr. Šadzevičius Raimondas

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All participants join via the main Zoom link. Parallel sessions and group work will be conducted in breakout rooms. Participants will be assigned to the appropriate room during the conference.

3D CONCRETE PRINTING APPLICATIONS: INTEGRATED FORMWORK AS ENABLER

Alt Aivars, Hillar Joon, Julija Šommet, Gustav Gerretz, TTK University of Applied Sciences, Estonia.

SPATIAL PLANNING REFORM IN POLAND: A RAPID RESPONSE FROM SOCIETY

Rostek Jacek, Cezary Kowalczyk, Rafał Kaźmierczak, University of Warmia and Mazury, Poland.

INNOVATING HUMAN-CENTRIC UDTS: AN APPLIED FRAMEWORK FOR REAL-TIME BIOMETRIC ANALYSIS IN VIRTUAL URBAN ENVIRONMENTS

Skowroński Robert, Cezary Kowalczyk, Rafał Kaźmierczak, University of Warmia and Mazury in Olsztyn, Poland.

WHERE THE DATA LIVES: EXPLORING GEOSPATIAL AND STATISTICAL DATA SOURCES IN POLAND

Borys Zadorecki, University of Warmia and Mazury in Olsztyn, Poland.

FROST RESISTANCE OF CONCRETE BASED ON THE STRENGTH OF FROZEN SPECIMENS

Šadzevičius Raimondas, Dainius Ramukevičius Lietuvos Inžinerijos Kolegija | HEI, Lithuania; Justyna Dziecioł, Warsaw University of Life Sciences (SGGW), Poland.

METAL CRACKING IN PERFORATED STRUCTURES

Mockienė Jūratė, Loreta Inokaitytė, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

AN EFFICIENT PUBLIC KEY CRYPTOGRAPHY SOLUTION FOR RESILIENT DATA TRANSMISSION SYSTEMS

Nefas Petras, Rūta Jankūnienė, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

RESEARCH ON THE SECONDARY USE OF SHREDDED USED CAR TIRES

Šadzevičius Raimondas, Vytautas Magnus University, Lietuvos Inžinerijos Kolegija | HEI, Lithuania; Dainius Ramukevičius Vytautas Magnus University, Lithuania; Katarzyna Gabryś, Warsaw University of Life Sciences (SGGW), Poland.



ON-LINE PRESENTATIONS 10:30–12:30 (EEST)

Moderator: dr. Edita Abalikštienė and dr. Šadzevičius Raimondas

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ELECTRONIC WARFARE METHODS

Grimaila Vitas, Lietuvos Inžinerijos Kolegija | HEI; Kaunas Technology University, Lithuania.

NETWORK TRAFFIC PROTECTION FOR SMART ELECTRIC VEHICLE CHARGING STATIONS: FROM PROTOTYPE TO SUBSCRIPTION SERVICE

Jankūnienė Rūta, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

SUSTAINABILITY OF URBAN GREEN SPACES: ECOLOGICAL, SOCIAL, AND PLANNING ASPECTS

Vaitkutė Eidimtienė Vaida, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

IMPLEMENTATION OF MAINTENANCE AND DEVELOPMENT OF STATE ROADS IN LITHUANIA: LEGAL ASPECTS

Vitkauskas Kęstutis, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

INVASIVENESS AND BIOMEDICAL POTENTIAL OF AMELANCHIER × SPICATA

Saunoriūtė Sandra, Lietuvos Inžinerijos Kolegija | HEI, Lithuania, Vytautas Magnus University; Lina Raudonė, Lithuanian University of Health Sciences, Lithuania.

TEACHING MECHANICS DIFFERENTLY: THE FLIPPED CLASSROOM IN PRACTICE

Sokolova Tatjana, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

ERGONOMIC MICRO-BREAKS IN COMPUTER-BASED LEARNING: A PRACTICAL APPROACH TO ENHANCING STUDENT WELL-BEING AND PRODUCTIVITY

Žirgulytė Rūta, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.



ON-SITE PRESENTATIONS 12:30–14:30 (EEST)

Address: Tvirtovės av. 35, Room 112

Moderator: Skaistė Mencevičienė

THE IMPACT OF ARTIFICIAL INTELLIGENCE IN EDUCATION: OPPORTUNITIES, CHALLENGES, AND FUTURE PERSPECTIVES

Andreia Teles Vieira, Santarém Polytechnic University, Portugal.

INNOVATION IN DIGITALIZATION: THE NEW ART

Vasilis Giannoglou, Geoimaging Ltd, Cyprus.

CONTEMPORARY METHODOLOGICAL TECHNIQUES FOR DATA COLLECTION, PROCESSING, AND VISUALIZATION: CASE STUDIES FROM THE LABORATORY OF GEOINFORMATICS AT ARISTOTLE UNIVERSITY OF THESSALONIKI (AUTH)

Anna Dosiou, Aristotle University of Thessaloniki, Greece.

THE USE OF AI IN ACADEMIC WRITING: ETHICAL CHALLENGES AND THE NEED FOR REGULATION

Skaistė Mencevičienė, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

APPLICATION OF ARTIFICIAL INTELLIGENCE IN THE STUDY PROCESS: THE CASE OF TECHNICAL MECHANICS COURSE

Sokolova Tatjana, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

WHY AND HOW TO DO REVERSE ENGINEERING?

Andre Kukk, TTK University of Applied Sciences, Estonia; Endijs Keišs, Mārtiņš Kamzols, Konstantīns Klimanovs, LBTU Malnava College, Latvia; Aleksandrs Isajevs, Riga Technical College, Latvia.

SMARTPHONE – DISASSEMBLY AND DISPLAY CASE

Eloura Charles, TTK University of Applied Sciences, Estonia; Lauris Sūjis, Salvis Cinglers, LBTU Malnava College, Latvia.

MICROSENSORS IN SMART PHONES – SENSOR PRINCIPLES AND APPLICATIONS

Erki Kruusmann, TTK University of Applied Sciences, Estonia; Maksims Pismenņijs, Mikus Rukmanis, Ivars Švarcs, LBTU Malnava College, Latvia.

MICROELECTRONICS – IMPORTANCE AND BASIC APPROACHES

Peeter Sture, TTK University of Applied Sciences, Estonia; Endijs Lcomelis, Kristers Daniels Kivučāns, LBTU Malnava College, Latvia; Daniils Marčenko, Riga Technical College, Latvia.



Natural and environmental systems

10:30–12:30 (EEST)

Moderator: Dr. Asta Doftartė and Valda Gudynaitė-Franckevičienė

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REAL PROPERTY TAXATION IN LITHUANIA

Aleknavičius Audrius, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

DIGITAL TECHNOLOGIES IN AGRICULTURE: IMPACTS ON SUSTAINABLE LAND AND WATER RESOURCE MANAGEMENT

Babilienė Jurgita, Ernesta Liniauskienė, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

ANALYSIS OF THE CONDITION OF RECLAIMED LANDS AND RECLAMATION STRUCTURES IN LITHUANIA

Balevičius Giedrius, Jolanta Valčiukienė, Daiva Juknelienė, Vytautas Magnus University Agriculture Academy, Lithuania; Vilimantas Vaičiukynas, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

STUDIES ON THE ACCURACY OF MARKING STRUCTURES USING DIFFERENT GEODETIC METHODS

Balevičius Giedrius, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

TRENDS IN BUILT-UP AREA DEVELOPMENT IN LITHUANIA (2005–2025)

Ivavičiūtė Giedrė, Vytautas Magnus University Agriculture Academy, Lietuvos Inžinerijos Kolegija | HEI, Klaipėdos Kolegija | HEI, Lithuania.

RESEARCH ON THE ACCURACY OF HIGH-RISE BUILDING COORDINATION USING DIFFERENT GEODETIC METHODS

Balevičius Giedrius, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

IMPROVING PLANT STRESS TOLERANCE THROUGH INNOVATIVE AGRONOMIC PRACTICES

Haq Nawaz, Isparta University of Applied Sciences, Turkey.

RETHINKING LAND DRAINAGE IN LITHUANIA AND POLAND: BALANCING PRODUCTIVITY, ENVIRONMENTAL GOALS AND WATER MANAGEMENT

Grybauskienė Vilda, Gitana Vyčienė, Lietuvos Inžinerijos Kolegija | HEI, Lithuania; Roman Rolbiecki, Bydgoszcz University of Science and Technology, Poland; Ulas Senyigit, Isparta University of Applied Sciences, Turkey.



Natural and environmental systems

10:30–12:30 (EEST)

Moderator: Dr. Asta Doftartė and Valda Gudynaitė-Franckevičienė

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LIGHT SPECTRUM-DEPENDENT PHOTORESPONSES IN YOUNG POPLAR HYBRID GENOTYPES

Valda Gudynaitė-Franckevičienė, Lithuanian Research Centre for Agriculture and Forestry, Lietuvos Inžinerijos Kolegija | HEI, Lithuania; Donata Vikšniauskė Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

URBAN FORESTS IN LITHUANIA: PROBLEMS AND SOLUTIONS

Auželienė Ingė, Asta Doftartė, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

DISTRIBUTION AND CONSERVATION OF RARE WOODY PLANT SPECIES IN LITHUANIA

Loreta Semaškienė, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

VISITOR BEHAVIOUR AND INTERACTION IN RECREATIONAL FORESTS

Černulienė Sinilga, Eglė Morkūnienė, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

FOREST RECREATION AND VISITOR USE: CHALLENGES AND OPPORTUNITIES

Doftartė Asta, Dovilė Gustienė, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

PATTERNS AND SHAPING FACTORS OF SCOTS PINE FOREST RESTORATION AND NATURAL REGENERATION

Gustienė Dovilė, Asta Doftartė, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

THE FLORISTIC OBJECTS INTEGRATION INTO THE LANDSCAPE

Malijonienė Jolanta, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

CHANGES IN THE STATE FOREST MANAGEMENT MODEL AND THEIR IMPACT ON OPERATIONAL EFFICIENCY

Gintaras Morkūnas, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.



Student Presentation Sessions

STUDENT PRESENTATION SESSION 1 | 10:30–12:30 EEST

Moderator: Vilma Šalkauskienė

Connect

DIVERSITY OF LOWER FOREST STRATA VEGETATION AFTER SURFACE FIRES IN THE PALOMENĖ FOREST DISTRICT, TRAKAI REGIONAL UNIT

Beinoravičius Domas, Sandra Saunoriūtė, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

DIVERSITY OF TREE MICROHABITATS IN KEY FOREST HABITATS IN THE PALOMENĖ FOREST DISTRICT, TRAKAI REGIONAL UNIT

Kazlauskas Andrius, Sandra Saunoriūtė, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

COMPARATIVE ANALYSIS OF EFC AND PEFC CERTIFICATION SYSTEMS: EVALUATING THEIR EFFICACY AND BARRIERS TO IMPLEMENTATION IN PAKISTAN'S FORESTRY SECTOR

Munir Huzafa, Dovilė Gustienė, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

ASSESSMENT OF THE INVASION SCALE OF SOSNOVSKY'S HOGWEED (HERACLEUM SOSNOWSKYI) IN LITHUANIA

Narkevičiūtė Daniela, Ernesta Liniauskienė, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

STRUCTURE AND ABUNDANCE OF FOREST GROUND VEGETATION AND UNDERGROWTH IN NC SITE CONDITIONS IN DUBRAVA RESERVE AREA

Neliubovas Ignas, Lietuvos Inžinerijos Kolegija | HEI, Lithuania; Povilas Žemaitis, Emilis Armoška, Lithuanian Research Centre for Agriculture and Forestry, Lithuania.

COMPARATIVE ANALYSIS OF THE WORK OF THE HARVESTER "KOMATSU 855" IN DIFFERENT FOREST CONDITIONS

Cikanavičius Antanas, Vaičiukynas Giedrius, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

HISTORY OF VILNIUS BOTANICAL GARDENS: FROM MONASTIC GARDENS TO MODERN URBAN PARKS

Sozinova Jelena, Loreta Semaškienė, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

STUDY OF THE SPREAD OF PESTS IN GREENHOUSE STRAWBERRIES

Raišytė Ineta, Survilienė-Radzevičė Elena, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

ESTIMATION OF THE PREVALENCE AND POPULATION ABUNDANCE OF ENARMONIA SHAWIANA IN BLUEBERRY BY PHEROMONE TRAPS

Mikučiūnas Mantas, Survilienė-Radzevičė Elena, Lietuvos Inžinerijos Kolegija | HEI, Lithuania; Sonata Kazlauskaitė, Vytautas Magnus University.



Student Presentation Session 2 | 10:30–12:30 (EEST)

Moderator: Daiva Gudritienė

Connect

APPLICATIONS OF ORTHOPHOTOGRAPHIC MAPS AND PLANS FOR ASSESSING THE CONDITION OF RECLAIMED (MELIORATED) LAND

Balčiūnas Neilas, Džiugas Čekanavičius, Daiva Gudritienė, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

OVERVIEW OF THE SPATIAL DATA OF THE CADASTRE OF THE FORESTS OF THE REPUBLIC OF LITHUANIA (2017–2024)

Bražaitis Justas, Miglė Titovaitė, Daiva Gudritienė, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

APPLICATIONS OF ORTHOPHOTOGRAPHIC MAPS AND PLANS FOR ASSESSING THE CONDITION OF RECLAIMED (MELIORATED) LAND

Čekanavičius Džiugas, Neilas Balčiūnas, Daiva Gudritienė, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

KARST PROCESSES IN THE PASVALYS REGION A HIDDEN DANGER UNDERGROUND

Drabužinskytė Erika, Vaiva Stravinskienė, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

PROBLEMATICS OF ABANDONED AGRICULTURAL LAND IN LITHUANIA: ASPECTS OF SPATIAL PLANNING AND LAND ADMINISTRATION

Garalevičius Vaidas, Vilma Šalkauskienė, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

ANALYSIS OF LAND USE IN THE SUŽIONIAI ELDERSHIP OF THE VILNIUS DISTRICT MUNICIPALITY

Juchnevič Eglė, Edita Abalikštienė, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

ASSESSMENT OF LITHUANIA'S DAM INFRASTRUCTURE FROM A PUBLIC PERSPECTIVE: TECHNICAL, ECOLOGICAL, AND SOCIAL ASPECTS

Salys Algirdas, Ernesta Liniauskienė, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

DATA COLLECTED REMOTELY AND ITS APPLICATION IN CADASTRAL MEASUREMENTS

Armonas Mantas, Pupka Darius, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

DISSEMINATION OF PUBLIC DATA FROM THE STATE REGISTERS OF THE REPUBLIC OF LITHUANIA

Rutkauskaitė Kamilė, Alanas Kuprelis, Gudritienė Daiva, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.



Student Presentation Session 3 | 10:30–12:30 (EEST)

Moderator: Dr. Rosita Norvaišienė

Connect

DESIGN, CONSTRUCTION AND EXPERIMENTAL ANALYSIS OF A TIMBER BRIDGE MODEL

Diana Šadurskaitė, Arminaitė Armantė, Rosita Norvaišienė, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

TIMBER BRIDGE TRUSS MODEL ANALYSIS

Diana Šadurskaitė, Šadzevičius Raimondas, Rosita Norvaišienė, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

MULTI-CRITERIA ANALYSIS OF ROOF SLAB ALTERNATIVES FOR A STORAGE BUILDING

Bancevičiūtė Greta, Loreta Inokaitytė, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

ANALYSIS OF STRUCTURAL SOLUTIONS FOR THE ROOF OF A PUBLIC BUILDING

Biliūnas Povilas, Violeta Medelienė, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

MULTI-CRITERIA EVALUATION OF ROAD SHOULDER CONSTRUCTION SOLUTIONS

Kazlauskas Darius, Regina Motienė Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

MULTI-CRITERIA ANALYSIS OF LOAD-BEARING TRUSS STRUCTURES FOR A STORAGE BUILDING

Kačiulis Gediminas, Jūratė Mockienė, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

ASSESSMENT OF THE USE OF BIOWASTE IN THE DEVELOPMENT OF SUSTAINABLE CONSTRUCTION PRODUCTS

Sokolovaitė Iveta, Ramukevičius Dainius, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

ENSURING ACCESSIBILITY OF THE PHYSICAL ENVIRONMENT (BUILDINGS) FOR PEOPLE WITH DISABILITIES

Petrovskytė Luka, Kęstutis Vitkauskas, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

GROUNDING AND ZEROING IN ELECTRICAL SAFETY

Ovaltas Matas, Muleravičienė Rasa, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

THE EFFECT OF SUSTAINABLE PORTLAND CEMENT ON THE PROPERTIES OF XF4 ENVIRONMENTAL EXPOSURE CLASS CONCRETE

Tamašauskas Eligijus, Aras Kantautas, Rita Plaipaitė-Nalivaiko, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.

MULTI-CRITERIA ANALYSIS OF EXTERNAL WALL ALTERNATIVES FOR AN ADMINISTRATIVE BUILDING

Visockas Rokas, Jūratė Mockienė, Lietuvos Inžinerijos Kolegija | HEI, Lithuania.



Poster session

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LONG-TERM SPATIAL CHANGES IN AIR QUALITY IN JELGAVA CITY

Miezaka Paula, Dženeta Veide, Jana Grave, Inga Straupe, Jovita Pilecka-Uļčugačeva, Inga Grīnfelde, Latvia University of Life Sciences and Technologies, Latvia.

SPATIOTEMPORAL ANALYSIS OF MANGANESE CONTAMINATION IN URBAN SNOWMELT: A FIVE-YEAR STUDY IN JELGAVA, LATVIA

Miezaka Paula, Jovita Pilecka-Uļčugačeva, Jana Grave, Katrīna Muižniece, Inga Grīnfelde, Latvia University of Life Sciences and Technologies, Latvia; Māris Bērtiņš, University of Latvia, Latvia.

EVOLUTION OF WATER LEVELS IN THE RIVER LIELUPE: A PERSPECTIVE FOR JELGAVA CITY

Bakute Anda, Inga Grīnfelde, Jovita Pilecka-Uļčugačeva, Latvia University of Life Sciences and Technologies, Latvia.

CALIBRATION AND VALIDATION OF A CONCEPTUAL HYDROLOGICAL MODEL IN SWAMPY RIVER BASINS OF LATVIA

Bakute Anda, Inga Grīnfelde, Jovita Pilecka-Uļčugačeva, Latvia University of Life Sciences and Technologies, Latvia; Normunds Stivrins, University of Latvia, Latvia, Tallinn University of Technology, Estonia.

SOIL TEXTURE-DEPENDENT RESPONSES OF N₂O ISOTOPIC COMPOSITION TO TILLAGE AND MOISTURE REGIMES

Butenaite - Ragele Dace, Sindija Friemberga, Jovita Pilecka-Uļčugačeva, Inga Grīnfelde, Latvia University of Life Sciences and Technologies, Latvia.

SEDIMENT MICROPOLLUTANTS AND ENVIRONMENTAL INSIGHTS IN ECOLOGICAL MONITORING OF LAKE LIEPAJA

Grave Jana, Inga Grīnfelde, Jovita Pilecka-Uļčugačeva, Latvia University of Life Sciences and Technologies, Latvia.

PFOS AND PFOA AS PFAS MICROPOLLUTANTS IN THE DAUGAVA RIVER: MONITORING AND REGULATORY PERSPECTIVES

Grave Jana, Inga Grīnfelde, Jovita Pilecka-Uļčugačeva, Latvia University of Life Sciences and Technologies, Latvia.

INTEGRATING BIOINDICATION AND SNOW CONTAMINATION ANALYSIS FOR LONG-TERM ASSESSMENT OF URBAN AIR QUALITY: A SEVEN-YEAR STUDY OF HEAVY METAL POLLUTION DYNAMICS IN JELGAVA, LATVIA

Grīnfelde Inga, Inga Straupe, Kristaps Siltumens, Oskars Purmalis, Jovita Pilecka-Uļčugačeva, Latvia University of Life Sciences and Technologies, Latvia; Maris Bertins, University of Latvia.



Poster session

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SUSTAINABLE DEVELOPMENT OF WIND ENERGY IN HYDROLOGICALLY SENSITIVE LANDSCAPES: THE “DALBE” CASE STUDY

Grinfelde Inga, Latvia University of Life Sciences and Technologies, Latvia; Lietuvos Inžinerijos Kolegija | Higher Education Institution, Lithuania.

ASSESSING LEAD CONTAMINATION IN SNOWMELT: SPATIAL DISTRIBUTION AND ENVIRONMENTAL RISKS IN JELGAVA

Pilecka-Ulcugaceva Jovita, Karlina Hirsfelde; Paula Miezaka, Inga Grinfelde, Latvia University of Life Sciences and Technologies, Latvia; Maris Bertins, University of Latvia, Latvia.

CURRENT STATUS AND FUTURE PERSPECTIVES FOR PEATLAND EXTRACTION SITE RECULTIVATION IN LATVIA

Stivrins Normunds, Inga Grinfelde, Latvia University of Life Sciences and Technologies, Latvia; Ozola Ilze, Lake and Peatland Research Centre, Latvia; Andriksons, Maikls, University of Latvia, Latvia.

GROUNDWATER DYNAMICS AND ECOHYDROLOGICAL RESPONSES IN AN EXTRACTED PEATLAND IN CENTRAL LATVIA

Stivrins Normunds, Inga Grinfelde, Latvia University of Life Sciences and Technologies, Latvia; Janis Bikse, University of Latvia, Latvia.

FORECASTS OF WASTE VOLUME AND FLOW DYNAMICS IN LATVIA IN THE CONTEXT OF EU WASTE MANAGEMENT POLICY

Zotova Alina, Alda Patersone, Jana Grave, Paula Miezaka, Anda Bakute, Jovita Pilecka-Uļčugačeva, Inga Grinfelde, Latvia University of Life Sciences and Technologies, Latvia.

SPATIOTEMPORAL ANALYSIS OF ZINC CONTAMINATION IN SNOW WATER AND ASSOCIATED ENVIRONMENTAL RISKS IN JELGAVA, LATVIA

Zotova Alina, Jovita Pilecka-Ulcugaceva, Viktorija Petrova, Inga Grinfelde, Latvia University of Life Sciences and Technologies, Latvia; Maris Bertins University of Latvia, Latvia.
