

INTERNATIONAL SCIENTIFIC-PRACTICAL CONFERENCE SUSTAINABLE ENVIRONMENTAL DEVELOPMENT: INNOVATIVE TECHNOLOGIES

PROGRAMME

18 April 2024

REGISTRATION AND WELCOME DRINKS 09:30-10:00

Klaipėdos valstybinė kolegija / Higher Education Institution.

Faculty of Technologies (Bijunu str. 10, Klaipėda) or online on MS Teams via links provided to each session

PLENARY SESSION (room 141)

[Click here to join the Plenary Session](#)

Moderator: Mrs Sigutė Ežerskienė

Regulations: presentation – 10 min, discussion – 5 min

| Time | Presentation title | Authors |
|-------|--|---|
| 10:00 | OPENING AND WELCOME SPEECH | Dr. assoc. prof. Remigijus Kinderis, Klaipėdos valstybinė kolegija / Higher Education Institution, Lithuania |
| 10:10 | SEISMIC EXPLORATION UNDERWATER NOISE AT LITHUANIAN MARINE WIND FARM AREA | Dr. Donatas Bagočius, Dr. Aleksas Narščius, Klaipėdos valstybinė kolegija / Higher Education Institution, Lithuania |
| 10:25 | LAND-USE CHANGES IN INSULAR URBAN TERRITORIES: A RETROSPECTIVE ANALYSIS FROM 1990 TO 2018. THE CASE OF MADEIRA ISLAND, RIBEIRA BRAVA <i>ONLINE PRESENTATION</i> | Dr. prof. Sérgio António Neves Lousada, University of Madeira, Portugal |
| 10:40 | INSIGHTFUL INSIGHTS: PREDICTING MAIDENHAIR TREE DISEASE REGIONS USING SEQUENTIAL IMAGE ANALYSIS <i>ONLINE PRESENTATION</i> | Dr. assoc. prof. Mehmet Akif Cifci, Klaipėdos valstybinė kolegija / Higher Education Institution, Lithuania |
| 10:55 | HYDROGEN-RICH WATER: BENEFITS FOR THE BODY AND DISEASE PREVENTION | Giedrius Šilas, dr. Vijolė Bradauskienė, Sigutė Ežerskienė, Reda Marytė Tamelienė, Klaipėdos valstybinė kolegija / Higher Education Institution, Lithuania |
| 11:10 | FOOD WASTE REDUCTION BY DIGITAL TECHNOLOGIES THROUGHOUT CONSUMPTION STAGE <i>ONLINE PRESENTATION</i> | Dr. assoc. prof. Chi-Ching Lee, Department of Food engineering, Istanbul Sabahattin Zaim University, Turkey; dr. assoc. prof. Viktoras Liorančas, Klaipėdos valstybinė kolegija / Higher Education Institution, Lithuania |
| 11:25 | CLOSING REMARKS | Sigutė Ežerskienė |
| 11:30 | BREAK and POSTER SESSION | |

POSTER SESSION

Posters are inspected during the break. Please submit questions to the authors directly and / or online.

[Click here to join the Poster Session](#)

| Time | Presentation title | Authors |
|-------------|---|---|
| 11:30-12:30 | THE RELATIONSHIP BETWEEN PRONATED FOOT POSITION AND DYNAMIC POSTURE IN CHILDREN: SINGLE CROSS-SECTIONAL STUDY | Lina Levickienė, Jurgita Boltutienė, Klaipėdos valstybinė kolegija / Higher Education Institution, Lithuania |
| | WOMEN'S KNOWLEDGE OF RISK FACTORS, CLINICAL SYMPTOMS AND PRINCIPLES OF CERVICAL CANCER PREVENTION | Małgorzata Wojciechowska, Zofia Komorowska, Stefan Batory University of Applied Sciences, Institute of Health Sciences; Natalia Rurant, Jarosław Sołtan, University of Humanities and Economics in Łódź, Department in Warsaw; Dorota Bylina, Stefan Batory University of Applied Sciences, |

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| | Institute of Health Sciences, Jozef Piłsudski University of Physical Education in Warsaw, Department in Biała Podlaska, Poland |
| NUTRITION IN SKIN DISEASES | Dr. assoc. prof. Leszek Zakrzewski, University of Health Sciences in Bydgoszcz, European University of Social and Technology in Radom, dr. Agnieszka Michalska, National Academy of Applied Sciences in Chełm, University of Social and Medical Sciences in Warsaw, Poland |
| THE DYNAMICS AND CAUSES OF CHANGES IN MEADOW AND NATURAL PASTURE AREAS IN KLAIPĖDA COUNTY | Giedre Ivavičiūtė, Vytautas Magnus University, Klaipėdos valstybinė kolegija / Higher Education Institution, Lithuania, Kaunas Forestry and Environmental Engineering University of Applied Sciences, Lithuania |
| CONCEPT OF SMART SPECIALIZATION AND ITS IMPLICATIONS ON SUSTAINABLE REGIONAL DEVELOPMENT | Ivana Varičak, Karlovac University of Applied Sciences, Croatia |
| PROBLEM OF ALCOHOLISM AMONG SECONDARY SCHOOL TEENAGERS | Małgorzata Wojciechowska, Zofia Komorowska, Stefan Batory University of Applied Sciences, Institute of Health Sciences; Natalia Rurant, Jarosław Sołtan, University of Humanities and Economics in Łódź, Department in Warszawa; Dorota Bylina, Stefan Batory University of Applied Sciences, Institute of Health Sciences, Jozef Piłsudski University of Physical Education in Warsaw, Department in Biała Podlaska, Poland |
| CROP INSURANCE - THE SOLUTION OF SUSTAINABLE AGRICULTURE IN CHANGING CLIMATE CONTEXT | Martynas Rusteika, dr. Lina Skinulienė, Vytautas Magnus University, Lithuania |
| UV-RESISTANCE OF WOOD PRESERVATIVE PAINTS | Mantas Anušis, Klaipėdos valstybinė kolegija / Higher Education Institution, Lithuania |
| THE QUALITY OF LIFE ASSESSMENT AMONG INDIVIDUALS AGED 55 YEARS AND ABOVE DIAGNOSED WITH TYPE 2 DIABETES | Zofia Komorowska, Małgorzata Wojciechowska, Stefan Batory University of Applied Sciences, Institute of Health Sciences; Maria Buchko, Jarosław Sołtan, University of Humanities and Economics in Łódź, Department in Warszawa; Dorota Bylina, Stefan Batory University of Applied Sciences, Institute of Health Sciences, Jozef Piłsudski University of Physical Education in Warsaw, Department in Biała Podlaska, Poland |
| EXISTENTIAL LONELINESS AMONG ELDERLY: A CHALLENGE TO HEALTHY AND ACTIVE AGING | Dr. assoc. prof. Akvilė Virbaliienė, Aurelija Šiurienė, Klaipėdos valstybinė kolegija / Higher Education Institution, Lithuania |
| COMPARATIVE ANALYSIS OF SELECTED MINERAL COMPONENTS OF GLUTEN AND GLUTEN-FREE FLOURS IN POLAND AND LITHUANIA | Hab. dr. assoc. prof. Iwona Mystkowska, dr. Beata Kosińska, Department of Dietetics, John Paul II University in Biała Podlaska, Poland Sigute Ežerskienė, Klaipėdos Valstybinė Kolegija / Higher Education Institution, Lithuania Aleksandra Dmitrowicz, Laboratory of Environmental Analyzes EKO-AGRO-TECH, John Paul II University in Biała Podlaska, Poland |
| USE OF HONEYSUCKLE (<i>LONICERA CAERULEA</i>) BERRIES AS A SOURCE OF NATURAL ANTIOXIDANTS IN NEW PRODUCT DEVELOPMENT | Dr. assoc. prof. Aušra Šimonėlienė, dr. Vijolė Bradauskienė, Klaipėdos valstybinė kolegija / Higher Education Institution, Lithuania |
| LIFE QUALITY ASSESSMENT IN ELDERLY PATIENTS DIAGNOSED WITH MULTIPLE SCLEROSIS | Jarosław Sołtan, University of Humanities and Economics in Łódź, Department in Warszawa; Dorota Bylina, Magdalena Sniegocka, Stefan Batory University of Applied Sciences, Institute of Health Sciences, Jozef Piłsudski University of Physical Education in Warsaw, Department in Biała Podlaska; Małgorzata Wojciechowska, Zofia Komorowska, Stefan Batory University of Applied Sciences, Institute of Health Sciences, Poland |

FOOD TECHNOLOGIES AND NUTRITION

PARALLEL SESSION I (room 139)

[Click here to join the Parallel Session I](#)

Moderator: Dr, assoc. prof. Viktoras Liorančas

Regulations: presentation – 10 min, discussion – 5 min

| Time | Presentation title | Authors |
|--------------|--|--|
| 12:30 | ANALYSIS OF CHARACTERISTICS OF PIGEON MEAT <i>ONLINE PRESENTATION</i> | Irina Koscelkovskienė, Inga Pupelienė, Kauno kolegija / Higher Education Institution, Lithuania |
| 12:45 | EVALUATION OF QUALITY INDICATORS OF SWEET MILK CHEESE AFFECTED BY BARBERRIES <i>ONLINE PRESENTATION</i> | Ilona Šostakienė, dr. Aušra Adomėnienė, Kauno kolegija / Higher Education Institution, Lithuania |
| 13:00 | MICROBIOLOGICAL SAFETY OF MEAT JERKY SEASONED WITH ESSENTIAL OILS <i>ONLINE PRESENTATION</i> | Dr. assoc. prof. Jurgita Mikašauskaite-Tiso, Žydronė Žarskienė, Kauno kolegija / Higher Education Institution, Lithuania |
| 13:15 | GLUCOSINOLATES AND THEIR METABOLITES IN CRUCIFEROUS VEGETABLES: BIOLOGICAL ACTIVITY AND HEALTH BENEFITS | Sigutė Ežerskienė, dr. Vijolė Bradauskienė, Klaipėdos valstybinė kolegija / Higher Education Institution, Lithuania |
| 13:30 | POSSIBILITIES OF USING OF <i>PHASELOUS VULGARIS</i> AND <i>PHASELOUS LUNATUS</i> BEANS IN PASTA PRODUCTION <i>ONLINE PRESENTATION</i> | Elizabeth Anderson-Trezina, Tatjana Kinca, Latvia University of Life Sciences and Technologies, Latvia |
| 13:45 | DEVELOPMENT OF PRODUCTION TECHNOLOGY OF HEALTH-FRIENDLY WILD BLUEBERRY PASTILLES | Dr. Ingrida Kraujutienė, dr. Rasa Volskienė, Kauno kolegija / Higher Education Institution, Lithuania |
| 14:00 | THE CONTENT OF BIOACTIVE SUBSTANCES IN PEPPERMINT (<i>MENTHA PIPERITA</i>) DEPENDING ON GROWING CONDITIONS | Dr. prof. Asta Klimienė, Klaipėda University, Lithuania prof. habil. dr. Ramutis Klimas, Klaipėdos valstybinė kolegija / Higher Education Institution, Lithuania |
| 14:15 | MAKING COLD BORSCHT ICE CREAM: CHARACTERISTICS AND CONSUMER PERCEPTION <i>ONLINE PRESENTATION</i> | Ernesta Trečiokienė, Kauno kolegija / Higher Education Institution, Lithuania |
| 14.30 | SUSTAINABILITY IN THE DIGITAL AGE: MOBILE APPS' ROLE IN FOOD WASTE MANAGEMEN | Dr. assoc. prof. Viktoras Liorančas, Klaipėdos valstybinė kolegija / Higher Education Institution, Lithuania; dr. assoc. prof. Chi-Ching Lee, Department of Food engineering, Istanbul Sabahattin Zaim University, Turkey |
| 14.45 | USE OF DIFFERENT ENZYMES IN THE PRODUCTION OF VINEGAR FROM FRUIT BERRY POMACE USING ZERO-WASTE PRODUCTION TECHNOLOGIES <i>ONLINE PRESENTATION</i> | Dr. Aušra Šimonėlienė, dr. Ingrida Kraujutienė, Kauno kolegija / Higher Education Institution, Lithuania |
| 15:00 | CLOSING REMARKS | Dr. assoc. prof. Viktoras Liorančas |

ENERGY AND SUSTAINABLE ENVIRONMENT / AN INCLUSIVE AND CREATIVE SOCIETY

PARALLEL SESSION II (ROOM 309)

[Click here to join the Parallel Session II](#)

Moderator: Mrs Jelena Dikun

Regulations: presentation – 10 min, discussion – 5 min

| Time | Presentation title | Authors |
|-------|---|---|
| 12:30 | DIGITIZATION OF INTERDISCIPLINARY ENGINEERING STUDY MODULES | Gediminas Uskovas, Algimantas Andriušis, Daiva Stanelytė, dr. assoc. Prof. Vytenis Sinkevičius, Klaipėdos valstybinė kolegija / Higher Education Institution, Lithuania |
| 12:45 | THE ROLE OF ORGANIZATIONAL CULTURE AND EMPLOYEE CREATIVITY IN | Viktorija Jakubauskytė-Andriulienė, LCC International University, Lithuania |

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| | IMPLEMENTING SUSTAINABILITY PRACTICES IN INDUSTRIAL COMPANIES | |
| 13:00 | LUGGAGE MANAGEMENT SYSTEM IN ORDER TO REDUCE CARBON EMISSIONS AND ENSURE SUSTAINABILITY | Dr. assoc. prof. Ceren Cubukcu Cerasi, Gebze Technical University, Turkey; Furkan Yaman, Maltepe University, Turkey |
| 13:15 | PWM AND MPPT CHARGING CONTROLLERS FOR ELECTRIC ENERGY ACCUMULATORS | Dr. Giedrius Gecevičius, dr. Žydrūnas Kavaliauskas, Kauno kolegija / Higher Education Institution, Lithuania |
| 13:30 | EVALUATION OF THE RELEVANCE OF LED LAMP SELECTION BASED ON MANUFACTURER-DECLARED PARAMETERS | Jelena Dikun, Vilma Jakubauskienė, Klaipėdos valstybinė kolegija / Higher Education Institution, Lithuania |
| 13:45 | PECULIARITIES OF CROWDSOURCED SERVICES IN SOCIAL NETWORKS IN THE CONTEXT OF SUSTAINABLE DEVELOPMENT <i>ONLINE PRESENTATION</i> | Dr. Mantas Dilys, Kauno kolegija / Higher Education Institution, Lithuania |
| 14:00 | ENERGY SOURCES: PRESENT AND FUTURE <i>ONLINE PRESENTATION</i> | Dr. assoc. prof. Lionė Urmonienė, Klaipėdos valstybinė kolegija / Higher Education Institution, Lithuania |
| 14:15 | ACOUSTIC ENERGY TRANSFORMATION INTO ELECTRIC ONE IN THE WINDOW: MODEL AND INVESTIGATION | Dr. assoc. prof. Robertas Mikalauskas, Klaipėdos valstybinė kolegija / Higher Education Institution, Lithuania |
| 14:30 | SUSTAINABILITY OF INDUSTRIAL COMPANIES IN KLAIPEDA REGION | Dr. assoc. prof. Artūras Tadžijevs, Klaipėdos valstybinė kolegija / Higher Education Institution, Lithuania |
| 14:45 | INVESTIGATION OF METHODS FOR MEASURING INSULATION RESISTANCE OF ROTATING ELECTRICAL MACHINES | Jelena Dikun, Reda Marytė Tamelienė, Klaipėdos valstybinė kolegija / Higher Education Institution, Lithuania |
| 15:00 | CLOSING REMARKS | Jelena Dikun |

TECHNOLOGY INNOVATION PARALLEL SESSION III (ROOM 311)

[Click here to join the Parallel Session III](#)

Moderator: Ms Daiva Stanelytė

Regulations: presentation – 10 min, discussion – 5 min

| Time | Presentation title | Authors |
|-------|--|---|
| 12.30 | A SENSOR PLATFORM STABILIZATION SYSTEM FOR A MOBILE HYBRID TWO WHEELED ROBOT | Dr. assoc. prof. Vytenis Sinkevičius, Mrs. Valda Šneiderienė, Klaipėdos valstybinė kolegija / Higher Education Institution, Lithuania |
| 12:45 | MEASURES TO REDUCE THE ELECTRICITY CONSUMPTION OF BELT CONVEYORS <i>ONLINE PRESENTATION</i> | Dr. assoc. prof. Diana Šateikienė, Dmitrij Terebencev, Klaipėdos valstybinė kolegija / Higher Education Institution, Lithuania |
| 13:00 | DETAILING THE OPERATING MODEL BY CREATING A DFD HIERARCHY | Dr. assoc. prof. Jurij Tekutov, Julija Smirnova, Klaipėdos valstybinė kolegija / Higher Education Institution, Lithuania |
| 13:15 | DIGITAL SOLUTIONS IN PASSENGER TERMINALS IN LITHUANIA AND THE CZECH REPUBLIC <i>ONLINE PRESENTATION</i> | Indrė Sprogytė-Bredelienė, Vilniaus technologijų ir dizaino kolegija / Higher Education Institution, Lithuania; Petr Bystron, Pardubice university, Czech Republic |
| 13:30 | REVOLUTIONIZING DRUG INTERACTION DETECTION: A STACKING ENSEMBLE APPROACH WITH MACHINE LEARNING <i>ONLINE PRESENTATION</i> | Dr. Peren Jerfi Canatalay, İstinye University, Turkey |
| 13:45 | ANALYSIS OF THE DEVELOPMENT OF TRANSPORT INTELLIGENT MANAGEMENT AND COMMUNICATION SYSTEMS | Gediminas Uskovas, Vilma Locaitienė, Gintvilė Šimkonienė, Lithuanian Maritime Academy, Lithuania |
| 14:00 | PARALLEL PATHWAYS TO SUCCESS: A CASE STUDY IN PRODUCT DEVELOPMENT <i>ONLINE PRESENTATION</i> | Birutė Rataitė, Klaipėdos valstybinė kolegija / Higher Education Institution, Lithuania |
| 14:15 | CYBERSECURITY OF MOBILE DEVICES | Gintaras Kučinskas, Klaipėdos valstybinė kolegija / Higher Education Institution, Lithuania |
| 14:30 | COMPARISON OF THE RELATIVE IMPORTANCE OF FACTORS AFFECTING THE | Jūratė Liebuviene, Klaipėdos valstybinė kolegija / Higher Education Institution, Lithuania |

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| | CONVEYANCE OF BULK AND LIQUID CARGO | |
| 14:45 | ANALYSIS AND REDUCING METHODS OF THE VITAL SIGNS REAL-TIME MEASUREMENT UNCERTAINTIES | Algimantas Valinevičius, Gediminas Uskovas, Kaunas University of Technology, Lithuania |
| 15:00 | CLOSING REMARKS | Daiva Stanelytė |

INNOVATIVE TECHNOLOGIES TO IMPROVE HUMAN HEALTH

PARALLEL SESSION IV (ROOM 141)

[Click here to join the Parallel Session IV](#)

Moderator: Mrs Šarūnė Barsevičienė

Regulations: presentation – 10 min, discussion – 5 min

| Time | Presentation title | Authors |
|--------------|--|---|
| 12:30 | EFFECT OF KINESIOTAPING IN TREATMENT OF CELLULITE: STUDY PROTOCOL OF EFFECT ON SKIN TEXTURE AND STRUCTURE <i>ONLINE PRESENTATION</i> | Dr. Laura Žalienė, dr. assoc. prof. Gražina Šniepienė; dr. assoc. prof. Vitalija Gerikienė, Daiva Stančaitytė, Jurgita Boltutienė, Mercedes Šulcaitė-Vasiljeva, Simona Kasperavičiūtė, Klaipėdos valstybinė kolegija / Higher Education Institution, Lithuania |
| 12:45 | NEW SOCIAL ASSISTANCE BENEFIT IN POLISH LAW - SHORT-TERM SUPPORT SERVICES | Dr. Michał Soćko, Stefan Batory Academy of Applied Sciences, Poland |
| 13:00 | THE RELATIONSHIP BETWEEN KNEE JOINT STRUCTURAL AND FUNCTIONAL PROPERTIES AND BMI AFTER TOTAL KNEE ARTHROPLASTY <i>ONLINE PRESENTATION</i> | Daiva Lenčiauskienė, Roberta Bikuličienė, Klaipėdos valstybinė kolegija / Higher Education Institution, Lithuania |
| 13:15 | TRENDS IN SUN RELATED SKIN PROTECTION BEHAVIOUR AND ATTITUDE IN THE WESTERN LITHUANIAN POPULATION | Dr. assoc. prof. Gražina Šniepienė / Klaipėdos valstybinė kolegija / Higher Education Institution, Lithuania, Klaipėda University, Lithuania |
| 13:30 | „MOBILE DENTAL HYGIENIST" AS AN ADDITIONAL TOOL FOR PATIENTS' ORAL HEALTH SELF-MONITORING: PATIENTS' OPINION ON ADVANTAGES AND DISADVANTAGES | Eglė Žymantienė, dr. Evelina Daugėlienė, dr. Jurgita Andruškienė, Šarūnė Barsevičienė, Klaipėdos valstybinė kolegija / Higher Education Institution, Lithuania, Arnas Murauskas, Lithuania |
| 13:45 | ADDRESSING QUALITY OF LIFE ISSUES FOR THE ELDERLY BY IMPROVING THEIR PSYCHO-EMOTIONAL HEALTH THROUGH MOBILE COSMETOLOGY SERVICES | Loreta Valatkevičienė, dr. Zita Baužienė, Kauno kolegija / Higher Education Institution, Lithuania |
| 14:00 | THE SIMULATION AS AN EXPERIENTIAL LEARNING FOR IMPROVING NURSING STUDENTS' COMPETENCIES | Dr. assoc. prof. Asta Mažionienė, Rimantė Morkūnienė, Klaipėdos valstybinė kolegija / Higher Education Institution, Lithuania |
| 14:15 | SOCIAL PARTICIPATION OF OLDER ADULTS WHO LIVE ALONE: AN OVERVIEW | Dr. assoc. prof. Giedrė Slušnienė, Klaipėdos valstybinė kolegija / Higher Education Institution, Lithuania |
| 14:30 | SILENCE MEDITATION | Asta Norbutaitė, Klaipėdos valstybinė kolegija / Higher Education Institution, Klaipėda Medeinė school, Lithuania |
| 14:45 | BEAUGHTY THERAPY SERVICE QUALITY DIMENSIONS FOR CUSTOMER SATISFACTION <i>ONLINE PRESENTATION</i> | Dr. assoc. prof. Vitalija Gerikienė, Klaipėdos valstybinė kolegija / Higher Education Institution, Šiaulių kolegija / Higher Education Institution, Lithuania |
| 15:00 | THE POTENTIAL OF MOBILE APPS TO PROMOTE HEALTHY LIFESTYLES AMONG OLDER PEOPLE <i>ONLINE PRESENTATION</i> | Mrs Dalia Kitavičienė, Alytaus kolegija / Higher Education Institution, Lithuania |
| 15:15 | RISKY HEALTH DECISIONS IN OLDER POLISH ADULTS | Jaroslav Sołtan, University of Humanities and Economics in Łódź, Department in Warsaw, Poland; Dorota Bylina, University of Humanities and Economics in Łódź, Department in Warsaw, Jozef Piłsudski University of Physical Education in Warsaw, Department in Biała Podlaska, Poland |
| 15:30 | CLOSING REMARKS | Šarūnė Barsevičienė |