



***DAUGAVPILS UNIVERSITĀTES  
67. STARPTAUTISKĀS  
ZINĀTNISKĀS KONFERENCES***

**PROGRAMMA**

**PROGRAMME OF  
*THE 67<sup>th</sup> INTERNATIONAL  
SCIENTIFIC CONFERENCE OF  
DAUGAVPILS UNIVERSITY***

**DAUGAVPILS  
10.04. – 11.04.2025.**

**Daugavpils Universitātes 67. starptautiskās zinātniskās konferences  
Programmas komiteja**

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*PhD Maria Jose Hernández-Serrano* (Salamankas Universitāte, Spānija)  
*PhD prof. Dzintra Iliško* (Daugavpils Universitāte, Latvija)  
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*Dr. psych. prof. Irēna Kokina* (Daugavpils Universitāte, Latvija)  
*PhD prof. Ene Koresaar* (Tartu Universitāte, Igaunija)  
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**Daugavpils Universitātes 67. starptautiskās zinātniskās konferences  
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Ludmila Aleksejeva, Zeltīte Barševska, Maija Burima, Sintija Bušmane, Jana Butāne-Zarjuta, Ilona Fjodorova, Maija Grizāne, Anda Ikauniece, Ēriks Jerockis, Sanita Kecko, Mārīte Kravale-Pauliņa, Jānis Kudiņš, Liene Lukjaņenko, Miervaldis Mendriks, Olita Miglāne, Sergejs Osipovs, Matiss Ruskulis, Daiga Saulīte, Juris Soms, Anna Vanaga

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# KONFERENCES DARBA KĀRTĪBA / CONFERENCE AGENDA

**2025. GADA 10. APRĪLIS / APRIL 10, 2025**

**9.00–10.00** *Reģistrācija / Registration*

Parādes ielā 1, 1. stāva foajē / Parādes Str. 1, 1<sup>st</sup> floor, hall

**10.00–11.30** *Konferences atklāšana, plenārsēde / Conference opening ceremony, plenary session*

Parādes ielā 1a, 130. aud. / Parādes Street 1a, Room 130

*Anete Fedorovska "Life under water"* (Latvian Institute of Aquatic Ecology, an Agency of Daugavpils University, Latvia)

*Kristīne Kuzņecova "Security as a shared value and how higher education can build resilient society in today's world"* (Daugavpils University, Latvia)

*Iveta Krastiņa-Paegle "In Search of a Profession's Face: How Professional Identity is Formed and Developed?"* (Latvian Nurses Association, Latvia)

**11.30–12.00** *Kafijas pauze / Coffee break*

Parādes ielā 1a, 1. stāva foajē / Parādes Str. 1a, 1<sup>st</sup> floor, hall

**12.00** *Darbs tematiskajās grupās / Session work*

**18.30** *Saviesīgais vakars / Social evening*

Ģimnāzijas ielā 46, viesnīca "Park Hotel Latgola" / Ģimnāzijas Str. 46, "Park Hotel Latgola"

Tikai iepriekš pieteiktajiem dalībniekiem, kuri veikuši apmaksu / Only for pre-registered participants who have already paid

**2025. GADA 11. APRĪLIS / APRIL 11, 2025**

**9.00–10.00** *Reģistrācija / Registration*

Parādes ielā 1, 1. stāva foajē / Parādes Str. 1, 1<sup>st</sup> floor, hall

**10.00** *Darbs tematiskajās grupās / Session work*

**12.00–12.30** *Kafijas pauze / Coffee break*

Parādes ielā 1a, 1. stāva foajē / Parādes Str. 1a, 1<sup>st</sup> floor, hall

**KONFERENCES LAIKĀ TIKS VEIKTA FOTOGRAFĒŠANA UN FILMĒŠANA!  
PHOTOGRAPHS AND VIDEO WILL BE TAKEN AT THE CONFERENCE!**

# 2025. GADA 10. APRĪLIS / APRIL 10, 2025

DARBA GRUPA / WORKGROUP:

**KĪMIJA, FIZIKA, MATEMĀTIKA / CHEMISTRY, PHYSICS, MATHEMATICS**

Ceturtdiena, 2025. gada 10. aprīlis / Thursday, April 10, 2025

Parādes ielā 1a, 209. aud. / Parādes Street 1a, Room 209

Plkst. 12.00 – 14.45

*Moderators / Chair*

*Dr. chem. SERGEJS OSIPOVS*

12.00	<i>Inara Yermachenko, Armands Gritsans</i>	BOUNDEDNESS RESULTS FOR DUFFING OSCILLATOR
12.15	<i>Jans Kevis, Eriks Sledevskis, Marina Krasovska, Vjaceslavs Gerbreders, Irena Mihailova, Valdis Mizers, Andrejs Bulanovs</i>	IMPACT OF ZNO NANOSTRUCTURE MORPHOLOGY ON ELECTROCHEMICAL SENSING PERFORMANCE FOR LEAD ION DETECTION IN REAL WATER SAMPLES
12.30	<i>Vadims Kolbjonoks, Aleksandrs Petjukevičs, Natalja Škute</i>	USE OF QUANTUM DOTS TO VISUALIZE NANO PARTICLE DELIVERY MECHANISMS IN PLANTS
12.45	<i>Andrejs Grigorjevs, Jeļena Kirilova, Irēna Mihailova, Romans Fridmans, Andrejs Rucko</i>	ELECTROCHEMICAL HALOGENATION OF 9-AMINOANTHRAQUINONE: A NOVEL APPROACH TO FUNCTIONALIZED INTERMEDIATES
13.00	<i>Evita Romanovska-Dzalbe, Jeļena Kirilova, Aija Brakovska</i>	FLUORESCENT BENZANTHRONE DYES FOR PATHOGEN STUDIES AND DNA ANALYSIS
13.15	<i>Aleksandrs Pučkins, Sergejs Osipovs, Jeļena Kirilova, Irēna Pučkina</i>	INFLUENCE OF PH ON THE PHOTOLUMINESCENCE OF SILICON NANOPARTICLES
13.30	<i>Sergejs Osipovs, Aleksandrs Pučkins</i>	SUSTAINABLE BIOGAS PRODUCTION TECHNOLOGIES: INTEGRATION OF FISH PROCESSING AND AQUACULTURE BY-PRODUCTS
13.45	<i>Vitālijs Fiļipovs, Sergejs Osipovs, Dainis Lazdāns, Aleksandrs Pučkins</i>	DETERMINATION OF PHARMACEUTICAL POLLUTANT RESIDUES IN DAUGAVPILS CITY WASTEWATER AND THEIR IMPACT ON THE ENVIRONMENT
14.00	<i>Vladimirs Gusarovs, Sergejs Osipovs, Valdis Mizers, Aleksandrs Pučkins</i>	DEVELOPMENT OF A CATALYTIC PYROLYSIS METHOD FOR REDUCING THE CONTENT OF TAR COMPOUNDS IN FUEL OBTAINED FROM THE PYROLYSIS PROCESS OF SOLID WASTE
14.15	<i>Maksims Stašāns, Sergejs Osipovs, Valdis Mizers</i>	A FUNCTIONAL METHOD FOR REDUCING TAR CONCENTRATIONS IN PRODUCER GAS FROM THE BIOMASS GASIFICATION PROCESS
14.30	<i>Jurijs Kazakevičs, Sergejs Osipovs, Mihails Pupiņš, Aleksandrs Pučkins</i>	ASSESSMENT OF THE EFFICIENCY AND UTILIZATION POTENTIAL OF BIOGAS PRODUCED FROM FISH PROCESSING WASTE

DARBA GRUPA / WORKGROUP:  
**EKONOMIKA, SOCIOLOĢIJA, TIESĪBU ZINĀTNE UN MENEDŽMENTS /  
ECONOMICS, SOCIOLOGY, LAW AND MANAGEMENT**

Ceturtdiena, 2025. gada 10. aprīlis / Thursday, April 10, 2025

Parādes ielā 1, 230. aud. / Parādes Street 1, Room 230

Plkst. 12.00 – 15.30

*Moderatore / Chair*

*Dr. oec. VIKTORIJA ŠIPILOVA*

12.00	<i>Aldona Kipane</i>	THE CRIMINOLOGICAL FRAMEWORK OF DARK PERSONALITY TRAITS: “THE DARK TRIAD” AND “THE DARK TETRAD”
12.15	<i>Sintija Multina</i>	WOMEN'S CRIME IN LATVIA: CURRENT SITUATION AND DEVELOPMENT PERSPECTIVES
12.30	<i>Liene Rācene-Riekstiņa, Inese Grumolte-Lerhe</i>	REGULATORY CHALLENGES FOR PARTICIPATION RELATED TO REFERENDUMS AND AGENDA INITIATIVES: INSIGHTS FROM THE LATVIAN CASE STUDY
12.45	<i>Silvija Stupāne</i>	MICRO-RESERVES FOR THE PROTECTION OF SPECIALLY PROTECTED SPECIES AND HABITATS IN LATVIA AFTER THE RESTORATION OF INDEPENDENCE UNTIL TODAY
13.00	<i>Ilona Bulgakova</i>	WITNESS IMMUNITY OR THE RIGHT TO BE EXEMPTED FROM THE DUTY TO TESTIFY IN CRIMINAL PROCEEDINGS
13.15	<i>Iwona Lasek-Surowiec</i>	LEGAL ASPECTS OF THE CONSTRUCTION OF THE BORDER BARRIER ON THE POLISH-BELARUSIAN BORDER
13.30	<i>Marcin Oskierko, Sławomir Żurawski</i>	EU BORDER MANAGEMENT IN COUNTERACTING SMUGGLING ON THE EXAMPLE OF POLISH
13.45	<i>Anna Dembovskaya, Irēna Kokina</i>	CONCEPTUAL ASPECTS OF LEAN AND AGILE PHILOSOPHIES AND THEIR SYNERGY IN IMPROVING PRODUCTION PROCESSES
14.00	<i>Jolanta Ūzuliņa</i>	DEPOPULATION: A CHALLENGE TO FIGHT OR AN ADVANTAGE TO USE
14.15	<i>Lāsma Jaudzema, Irēna Kokina</i>	LEGAL AND PSYCHOLOGICAL ASPECTS OF MOBBING IN WORK ORGANIZATIONS
14.30	<i>Elena Fedorova, Vera Komarova, Edmunds Čižo</i>	INFORMATION TECHNOLOGY AND ARTIFICIAL INTELLIGENCE IN LATVIAN COMPANIES
14.45	<i>Inguna Novicka</i>	THE LATVIAN RURAL COMMUNITY RESILIENCE MODEL: QUALITATIVE CHARACTERISTICS OF LEVELS
15.00	<i>Jing Zeng</i>	DIGITAL TOURISM RESEARCH: A GLOBAL BIBLIOMETRIC ANALYSIS OF TRENDS AND DEVELOPMENTS
15.15	<i>Ance Kristāla, Lote Katrīna Cērpa</i>	GENDER DYNAMICS IN RURAL LATVIA – BETWEEN TRADITION AND CHANGE IN AN EASTERN EUROPEAN CONTEXT

DARBA GRUPA / WORKGROUP:

**JŪRAS EKOSISTĒMU DINAMIKA UN TO IETEKMĒJOŠIE FAKTORI / DYNAMICS OF  
MARINE ECOSYSTEMS AND FACTORS INFLUENCING THEM**

Ceturtdiena, 2025. gada 10. aprīlis / Thursday, April 10, 2025

Parādes ielā 1, 418. aud. / Parādes Street 1, Room 418

Plkst. 12.00 – 14.30

*Moderatore / Chair*

*Dr. biol. SOLVITA STRĀĶE*

12.00	<i>Ineta Liepiņa-Leimane, Ieva Bārda, Iveta Jurgensone, Juris Aigars</i>	CYANOBACTERIA ECOLOGY IN THE GULF OF RIGA
12.15	<i>Astra Labuce, Iveta Jurgensone, Anda Ikaunieca</i>	PELAGIC FOOD WEB OF THE GULF OF RIGA: INSIGHTS FROM ECOLOGICAL NETWORK ANALYSIS

12.30	<i>Barbara Massalska Duszczuk, Brian Huser, Juris Tunēns, Anda Prokopoviča, Inga Retiķe, Oskar Agstan-Norlin, Julie Garrison, Linda Grinberga, Inta Dimante- Deimantovica</i>	IMPLEMENTING NEW LAKE RESTORATION METHODS IN LATVIA: PREPARING FOR OF THE FIRST ALUMINUM TREATMENT IN THE BALTIC STATES
12.45	<i>Valentina Burdukovska, Elina Vecmane, Inga Retiķe, Raimonds Kasparinskis, Oskars Purnmalis, Inta Dimante- Deimantovica</i>	TACKLING AGRICULTURAL PHOSPHORUS LOADS BY SOIL AMENDMENTS
13.00	<i>Maija Viška, Maris Eelsalu</i>	CLIMATE CHANGE-DRIVEN CHANGES IN COASTAL PROCESSES IN THE SOUTHERN AND EASTERN BALTIC SEA AND THEIR POTENTIAL IMPACT ON MARINE HABITATS
13.15	<i>Evita Strode, Ieva Barda, Ieva Putna-Nimane, Ineta Liepina-Leimane, Ingrīda Andersone</i>	INTERDISCIPLINARY METHODOLOGICAL APPROACH TO ASSESSING SEDIMENT QUALITY IN THE GULF OF RIGA
13.30	<i>Paula Lilienfelde, Monta Kalniņa, Māra Kostanda, Solvita Strāķe</i>	THE DISTRIBUTION OF NON-INDIGENOUS CRUSTACEAN AND MUSSEL SPECIES IN LATVIAN PORTS
13.45	<i>Anete Fedorovska, Ieva Bārda, Indra Semjonova, Ingrīda Andersone</i>	NATURE-BASED SOLUTIONS FOR FUCUS VESICULOSUS RECOVERY IN THE BALTIC SEA: A CASE STUDY FROM THE GULF OF RIGA
14.00	<i>Maija Viška, Anda Ikaunieca</i>	REGENERATIVE OCEAN FARMING IN THE BALTIC SEA: A COMMUNITY-LED APPROACH FOR SUSTAINABLE MARINE BIOMASS PRODUCTION
14.15	<i>Solvita Strāķe, Ingrīda Andersone</i>	RESEARCH OF MARINE PROTECTED HABITATS IN EEZ AND DETERMINATION OF THE NECESSARY CONSERVATION STATUS IN LATVIA - LIFE REEF PROJECT

**DARBA GRUPA / WORKGROUP:**  
**IZGLĪTĪBAS ZINĀTNES, PSIHOLĢIJA / EDUCATIONAL SCIENCES, PSYCHOLOGY**  
 Ceturtdiena, 2025. gada 10. aprīlis / Thursday, April 10, 2025  
 Parādes ielā 1, 115. aud. / Parādes Street 1, Room 115  
 Plkst. 12.00 – 14.30

*Moderatore / Chair*  
**PhD ILONA FJODOROVA**

12.00	<i>Lipolelo Thamae, Raleting Thabiso, Mahao Mahao, Raselimo Mohaeka</i>	EXAMINING AI-INDUCED THREATS AMONG THE LESOTHO PRE-SERVICE TEACHERS: A QUEST FOR SUSTAINABLE AI LITERACY
12.15	<i>Madingaan Molise, Bonane Motebang</i>	INVESTIGATING THE IMPACT OF CULTURO TECHNO CONTEXTUAL APPROACH (CTCA) IN ENHANCING LEARNERS' PERFORMANCE AND PROMOTING MEANINGFUL LEARNING OF ACCOUNTING SUBJECT IN LESOTHO SECONDARY SCHOOLS
12.30	<i>Maletsema Mosole</i>	EXPLORING ROLE-PLAY IN ENHANCING SPEAKING COMPETENCY FOR BEGINNERS IN FRENCH FOREIGN LANGUAGE: A CASE OF ONE PRIMARY SCHOOL IN LESOTHO
12.45	<i>Mampoetsi Mohoang</i>	INVESTIGATING IMPACT OF CULTURAL CAPITAL VARIATIONS ON STUDENTS' ACADEMIC PERFORMANCE BETWEEN PRIVATE AND PUBLIC SCHOOLS IN TWO DISTRICTS OF LESOTHO
13.00	<i>Olesja Nikitina</i>	THE EFFECTIVENESS OF TEACHERS SELF-MOTIVATION FOR IMPROVING THE LEARNING PROCESS

13.15	<i>Santa Dzalbe-Sologuba</i>	THE ROLE OF ARTIFICIAL INTELLIGENCE IN EDUCATION: CHALLENGES AND OPPORTUNITIES IN THE CONTEXT OF THE HIGH SCHOOL (AGE 16 - 18)
13.30	<i>Shenglin Sun, Dzintra Iliško, Wing Wei</i>	ADAPTIVE SPORTS FOR ADOLESCENTS WITH MILD INTELLECTUAL DISABILITIES IN CHINA: A PATH TOWARD INCLUSIVE EDUCATION
13.45	<i>Thabiso Raleting, Thamae Lipolelo, Raselimo Mohaeka, Mahao Mahao</i>	EXPLORING AI ETHICAL AWARENESS AMONG IN-SERVICE GEOGRAPHY AND ENGLISH LANGUAGE TEACHERS IN LESOTHO SECONDARY SCHOOLS
14.00	<i>Wei Zhang</i>	EXPLORING AI WRITING ASSISTANTS IN TOEFL PREPARATION: DESIGNING SMART LEARNING SOLUTIONS IN EDUCATION
14.15	<i>Aija Ozola, Kristīne Mārtinsonsone</i>	ADAPTATION AND VALIDATION OF THE SHORT VERSION OF THE NATURE RELATEDNESS SCALE (NR-6) IN LATVIAN

DARBA GRUPA / WORKGROUP:  
**MĀKSLA / ART**

Ceturtdiena, 2025. gada 10. aprīlis / Thursday, April 10, 2025  
Parādes ielā 1, 416. aud. / Parādes Street 1, Room 416  
Plkst. 12.00 - 13.15

*Moderatore / Chair*  
**Dr. art. ZELTĪTE BARŠEVSKA**

12.00	<i>Katrīna Paukšta, Zeltīte Barševska</i>	INNOVATIONS IN CULTURAL PROJECTS IN LATVIA (2024 - 2025): CASE STUDIES AND ANALYSIS
12.15	<i>Anastasija Ļeonova, Zeltīte Barševska</i>	SYMBIOSIS OF TRADITIONAL AND CONTEMPORARY ART. THE EXAMPLE OF DAUGAVPILS
12.30	<i>Jolanta Kudiņa</i>	ART EDUCATION AND CULTURAL EVENT COLLABORATION: HOW TO DEVELOP YOUTH INTEREST IN CONTEMPORARY ART
12.45	<i>Marija Vasiļjeva</i>	LONG EXPOSURE IN CONTEMPORARY PHOTOGRAPHY: A TOOL FOR ARTISTIC EXPRESSION AND COMMERCIAL APPLICATIONS
13.00	<i>Agnese Skabe</i>	THE TABLE IN ART: SYMBOLISM AND INTERPRETATIONS

DARBA GRUPA / WORKGROUP:  
**VIDES ZINĀTNE / ENVIRONMENTAL SCIENCE**  
Ceturtdiena, 2025. gada 10. aprīlis / Thursday, April 10, 2025  
Parādes ielā 1, 228. aud. / Parādes Street 1, Room 228  
Plkst. 12.00 - 15.00

*Moderators / Chair*  
**Dr. biol. DĀVIS GRUBERTS**

12.00	<i>Ignacy Kitowski, Dariusz Jakubas, Dariusz Wiacek, Szymon Bzoma</i>	FACTORS DETERMINING INTER-SPECIES AND INTER-COLONY DIFFERENCES IN HEAVY METAL AND ESSENTIAL ELEMENTS CONCENTRATIONS IN EGGHELLS OF SYMPATRICALLY NESTING GREAT CORMORANTS PHALACROCORAX CARBO AND GREY HERONS ARDEA CINEREA
12.15	<i>Edvards Kiruks, Dainis Lazdāns</i>	OPPORTUNITIES FOR CREATING A NATURE DISCOVERY TRAIL IN THE "ĻUBASTS" NATURE RESERVE
12.30	<i>Linda Puncule, Matīss Žagars, Priit Zingel</i>	OVERFISHING SHAPES FISH COMMUNITIES' CHARACTERISTICS IN LATVIAN LAKES
12.45	<i>Jana Paidere, Agnija Skuja, Laura Grīnberga, Dāvis Ozoliņš, Ilga Kokorīte, Aija Brakovska</i>	DRIVERS OF ZOOPLANKTON TAXONOMICAL AND FUNCTIONAL STRUCTURE IN THE SHALLOW LAKE SAUKAS
13.00	<i>Kristīna Sosina</i>	ASSESSMENT OF THE HEALTHCARE WASTE MANAGEMENT SYSTEM OF DAUGAVPILS REGIONAL HOSPITAL AND RECOMMENDATION FOR ITS IMPROVEMENT



13.15-13.30 TEHNISKĀ PAUZE / TECHNICAL BREAK

13.30	<i>Anna Andžāne, Juris Soms</i>	GEOMORPHOLOGICAL CHARACTERISTICS AND GEOGRAPHICAL DISTRIBUTION OF INLAND DUNES IN DAUGAVPILS
13.45	<i>Armands Vagals, Juris Soms, Māris Nitcis</i>	FOREST HABITATS MAPPING AND FRAGMENTATION ANALYSIS USING REMOTE SENSING AND GIS DATA IN KOMBUĻI PARISH (KRĀSLAVA DISTRICT)
14.00	<i>Juris Soms, Artūrs Vancāns</i>	APPLICATION OF OPEN-ACCESS SATELLITE DATA AND GEOSPATIAL ANALYSIS IN THE MONITORING OF GRASSLAND HABITATS
14.15	<i>Diāna Rimele, Juris Soms, Dāvis Gruberts</i>	SENTINEL-2 DATA AND GIS ANALYSIS FOR FLOOD RISK ASSESSMENT AND DISASTER MANAGEMENT IN RESPECT OF CIVIL PROTECTION IN THE AUGŠDAUGAVAS DISTRICT
14.30	<i>Santa Rutkovska, Liene Zilvere</i>	CITIZEN SCIENCE FOR INVASIVE SPECIES MANAGEMENT IN LATVIA. INVASIVE SPECIES MANAGER
14.45		FINAL DISCUSSION

DARBA GRUPA / WORKGROUP:  
VESELĪBAS APRŪPES ZINĀTNE I / HEALTH CARE SCIENCE I

Ceturtdiena, 2025. gada 10. aprīlis / Thursday, April 10, 2025

Parādes ielā 1, 201. aud. / Parādes Street 1, Room 201

Plkst. 12.00 - 14.30

*Moderators / Chair*

*Dr. med. ANATOLIJS POŽARSKIS*

12.00	<i>Sabīne Pastniece, Simona Strumpe, Māra Jaudzeme, Vija Veisa</i>	THE INFLUENCE OF ADVANCED MATERNAL AGE ON PRENATAL SCREENING, MEDICATION USE, AND DELIVERY OUTCOMES: A RETROSPECTIVE ANALYSIS
12.15	<i>Ligita Gukauskene, Vytautas Matačinskis</i>	FOURTH SEMESTER HEALTH SCIENCES STUDENTS' KNOWLEDGE OF ADULT INITIAL RESUSCITATION
12.30	<i>Ligita Gukauskene, Mantas Petronis</i>	KNOWLEDGE OF DISEASE RECOGNITION, MANAGEMENT, AND FIRST AID AMONG PEOPLE WITH TYPE 1 DIABETES
12.45	<i>Simona Strumpe, Sabīne Pastniece, Māra Jaudzeme, Vija Veisa</i>	IMPACT OF MATERNAL AGE ON PREGNANCY RISK FACTORS: A RETROSPECTIVE STUDY OF WOMEN AGED <35 AND >35
13.00	<i>Māra Jaudzeme, Simona Strumpe, Sabīne Pastniece, Linda Kokaine</i>	TYPES AND INDICATIONS OF COLOSTOMY IN EMERGENCY AND ELECTIVE COLORECTAL SURGERY
13.15	<i>Krista Brigita Čerpakovska, Ainārs Boks</i>	SURGICAL TREATMENT OPTIONS FOR ACUTE COMPLICATED DIVERTICULITIS - A RETROSPECTIVE STUDY AT RIGA EAST CLINICAL UNIVERSITY HOSPITAL FROM 2019 TO 2024
13.30	<i>Arta Grabčika, Dzintra Kažoka, Jānis Vētra</i>	ANTHROPOMETRIC CHANGES IN LATVIAN CHILDREN: A LONGITUDINAL STUDY
13.45	<i>Ligita Gukauskene, Justina Levkovic</i>	THE INFLUENCE OF MENTAL HEALTH STIGMA ON PATIENTS
14.00	<i>Ligita Gukauskene, Kristina Gaudinskienė</i>	QUALITY OF LIFE OF INDIVIDUALS WHO HAVE UNDERGONE BRAIN SURGICAL INTERVENTIONS IN LITHUANIA
14.15	<i>Signija Betima Baranovska, Ineta Grantija</i>	MANAGEMENT CHALLENGES IN NETHERTON SYNDROME: INSIGHTS FROM CLINICAL EXPERIENCE

DARBA GRUPA / WORKGROUP:  
VESELĪBAS APRŪPES ZINĀTNE II / HEALTH CARE SCIENCE II

Ceturtdiena, 2025. gada 10. aprīlis / Thursday, April 10, 2025

Parādes ielā 1, 202. aud. / Parādes Street 1, Room 202

Plkst. 12.00 – 15.00

*Moderatore / Chair*

*Ph. D. EVITA GRĀVELE*

12.00	<i>Nikola Brauča</i>	EVALUATION OF CLINICAL PROPERTIES OF KLEBSIELLA SPP. BACTERIOPHAGES FOR THERAPEUTIC USE - PHAGE THERAPY AS A LAST RESORT FOR DRUG-RESISTANT INFECTIONS
12.15	<i>Dārta Cine, Aleksejs Kokorevičs</i>	A REVIEW OF THE SEMS HOSPITALIZATION REFORM FROM THE PERSPECTIVE OF ONE LEVEL 1 HOSPITAL AND THEIR CLOSEST SEMS TEAMS OVER A 5 MONTH PERIOD
12.30	<i>Ilja Degtjarjovs, Dmitrijs Skicko, Armands Rimšāns, Natālija Degtjarjova, Silvija Šakina</i>	PSOAS ABSCESS IN PATIENTS WITH CHRONIC KIDNEY DISEASE AND CONFIRMED URINARY TRACT INFECTION: A RETROSPECTIVE COHORT ANALYSIS
12.45	<i>Edvarts Mežulis, Arta Ārsmeniece, Gints Rausis</i>	SURVIVAL OUTCOMES IN SURGICAL TREATMENT OF BRAIN METASTASES IN COMBINATION WITH RADIOTHERAPY
13.00	<i>Edvarts Mežulis, Ernests Žviņģurs, Gints Rausis</i>	THE ROLE OF IMMUNOTHERAPY AND TARGETED THERAPY IN IMPROVING SURVIVAL FOR CANCER PATIENTS
13.15	<i>Edvarts Mežulis, Gints Rausis</i>	RADIOTHERAPY AND SYSTEMIC THERAPIES IN METASTATIC CANCER: IMPACT ON PROGRESSION-FREE SURVIVAL
13.30	<i>Glib Sheiko, Aina Kratovska, Sanita Ponomarjova, Patrīcija Ivanova, Andrejs Mundeciems, Jekaterina Safronova, Veronika Zaiceva, Nauris Zdanovskis, Ilja Dmitrijevs</i>	THE ASSOCIATION BETWEEN HEMORRHAGIC PANCREATIC PSEUDOCYST SIZE AND PERIOPERATIVE LABORATORY PARAMETERS IN PATIENTS UNDERGOING ENDOVASCULAR EMBOLIZATION
13.45	<i>Ģebs Sirenko, Valerija Janoviča, Oskars Kalējs, Irēna Kurcalte</i>	RIGHT VENTRICULAR MYOCARDIAL INFARCTION- INCIDENCE, IMPACT ON HOSPITALIZATION TIME, COMPLICATIONS, LABORATORY FINDINGS. EXPERIENCE OF A SINGLE CENTER
14.00	<i>Luīze Tereščuka</i>	SURGICALLY ASSISTED RAPID MAXILLARY EXPANSION (SARME) - EFFECTS ON SKELETAL, DENTAL AND NASAL STRUCTURES
14.15	<i>Marta Raita, Santa Maksimova</i>	RESULTS OF NEOADJUVANT TREATMENT IN LOCALLY ADVANCED RECTAL CANCER: A SINGLE CENTRE EXPERIENCE
14.30	<i>Viktorija Fokina, Robins Ušackis, Roberts Petrovičs, Armands Sīviņš, Elīna Sīviņa</i>	IMPACT OF VARIOUS FACTORS ON SURVIVAL IN PATIENTS WITH RADICALLY OPERATED GASTRIC CANCER BETWEEN 2019 AND 2023 AT THE LATVIAN ONCOLOGY CENTRE
14.45	<i>Jeļena Urbēna, Janeta Strazdiņa, Maira Lāce</i>	PATIENT SAFETY IN THE CLINICAL PRACTICE OF MEDICAL COLLEGE STUDIES

DARBA GRUPA / WORKGROUP:  
VESELĪBAS APRŪPES ZINĀTNE III / HEALTH CARE SCIENCE III

Ceturtdiena, 2025. gada 10. aprīlis / Thursday, April 10, 2025

Parādes ielā 1, 203. aud. / Parādes Street 1, Room 203

Plkst. 12.00 – 14.30

*Moderatore / Chair*

*Ph. D. ANNA RUBIKA*

12.00	<i>Alina Rižankova, Natālija Fokina</i>	CORRELATION OF MEDULLARY THYROID CANCER WITH GENETIC SYNDROMES
12.15	<i>Guna Semjonova, Aija Kļaviņa, Dace Bērtule, Madara Blumberga, Evita Dubiņina, Grēta Frančeska Jermoļenko, Keita Augstkalne, Ilze Kundziņa, Emil Syundyukov, Klāvs Balamovskis- Kalniņš, Alīna Češuna</i>	PHYSICAL ACTIVITY MONITORING IN PEDIATRIC ONCOLOGY PATIENTS: LITERATURE REVIEW
12.30	<i>Arturs Zubovs, Jānis Pāvulāns</i>	THE APPLICATION OF INTRAOPERATIVE FLUORESCENCE CHOLANGIOGRAPHY IN THE EVALUATION OF EXTRAHEPATIC BILE DUCT ANATOMY IN ACUTE CHOLECYSTITIS IN PATIENTS WITH NORMAL BODY WEIGHT AND OBESITY
12.45	<i>Ausma Elza Trumpika, Dzidra Trumpika</i>	TENDENCIES IN THE USE OF PAIN MEDICATIONS AMONG THE ELDERLY - PATIENT COMPLIANCE AND AWARENESS
13.00	<i>Līva Kuzmane, Dzintra Kažoka, M. Lapšovs</i>	ANATOMICAL VARIATIONS OF LEFT CORONARY ARTERY BRANCHING
13.15	<i>Sandra Perumova, Indriķis Krams</i>	THE EFFECT OF PHYSICAL ACTIVITY ON ANXIETY IN PATIENTS WITH PSYCHIATRIC DISORDERS
13.30	<i>Ruslans Gorbačovs, Aleksejs Višņakovs</i>	LIFE-THREATENING COMPLICATIONS IN PATIENTS WITH ACUTE CORONARY SYNDROME WITH ST SEGMENT ELEVATIONS DURING THE PRE-HOSPITAL CARE
13.45	<i>Ruslans Gorbačovs, Gustavs Latkovskis</i>	PREVALENCE OF HEART FAILURE SYMPTOMS AND NATRIURETIC PEPTIDES DETECTION IN PATIENTS REFERRED FOR PLANNED CORONARY ANGIOGRAPHY
14.00	<i>Samanta Reine, Elīna Sīviņa, Renārs Ertis, Roberts Petrovičs</i>	ASSOCIATION OF TUMOR MARKERS WITH CLINICAL AND HISTOPATHOLOGICAL FEATURES IN BREAST CANCER PATIENTS
14.15	<i>Lauma Vecumniece, Nadīna Bērtulstone, Līva Mača</i>	KNOWLEDGE AND AWARENESS OF HUMAN PAPILLOMA VIRUS (HPV) INFECTION AND ITS PREVENTIVE VACCINATION AMONG PARENTS OF CHILDREN AGED 12 TO 17 YEARS OLD IN LATVIA

**DOKTORANTU SEKCIJA “VALODU UN LITERATŪRAS STUDIJAS” UN FILOLOĢIJA /  
DOCTORAL SECTION “LANGUAGES AND LITERATURE STUDIES” AND PHILOLOGY**

Ceturtdiena, 2025. gada 10. aprīlis / Thursday, April 10, 2025

Parādes ielā 1, 417. aud. / Parādes Street 1, Room 417

Plkst. 14.00 – 17.00

*Moderatore / Chair*

*Dr. philol. MAIJA BURIMA*

14.00	<i>Līga Struka</i>	DEPORTĀCIJU TRAUMATISMA TĒLOJUMS SANDRAS KALNIETES DARBĀ “AR BALLE KURPĒM SIBĪRIJAS SNIEGOS”
14.20	<i>Lelde Logina</i>	DZĪVESSTĀSTI JAUNĀKAJĀ LATVIEŠU PROZĀ (2020-2024): BIEŽĀK SKARTIE TEMATI
14.40	<i>Haralds Broks</i>	KRISTIETĪBA UN JŪDAISMS: MĀRA BĒRZIŅA ROMĀNA “SVINA GARŠA” MĀKSLINIECISKĀ PASAULE
15.00	<i>Girts Vikmanis</i>	DEKOLONIĀLĀ PARADIGMA UN PRETESTĪBAS PRAKSES DZIESMU TEKSTU ATDZEJAS PUBLIKĀCIJĀS ŽURNĀLĀ “AVOTS”

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15.20	<i>Jevgēnija Šafraneka</i>	МЕДИАЛИЗАЦИЯ ЛИТЕРАТУРЫ: НОВЫЕ ТРЕБОВАНИЯ И ПЕРЕСЕЧЕНИЕ НАРРАТИВОВ
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**15.40 - 16.00 PĀRTRAUKUMS / BREAK**

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16.00	<i>Valerii Kremenchutskyi</i>	NOVEL "ТУМАННОСТЬ АНДРОМЕДЫ" BY I. YEFREMOV IN TRANSLATIONS BY G. HANNA AND A. HERRAIZ: GENERAL CHARACTERISTIC THROUGH THE PRISM OF THE TRANSLATORS' PERSONALITIES
16.20	<i>Anastasija Galkina</i>	E. KATAJA AUTOBIOGRĀFIJAS "ZEM DESMIT VALSTU KAROGIEM" LITERATŪRAS RECEPCIJA LATVIJAS KULTŪRAS TELPĀ
16.40	<i>Veronika Krivko</i>	TRANSLATIONS OF CHINESE EMPERORS' POETRY AND THE INTERPRETATION OF AUTOBIOGRAPHICAL MOTIFS: LINGUISTIC AND CULTURAL CHALLENGES

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# 2025. GADA 11. APRĪLIS / APRIL 11, 2025

DARBA GRUPA / WORKGROUP:

**BIOLOĢIJA / BIOLOGY**

Piektdiena, 2025. gada 11. aprīlis / Friday, April 11, 2025

Parādes ielā 1a, 209. aud. / Parādes Street 1a, Room 209

Plkst. 10.00 – 13.30

*Moderatore / Chair*

*Ph. D. AIJA BRAKOVSKA*

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10.00	<i>Inese Kokina, Ilona Plaksenkova, Lauris Jankovskis, Marija Jermalonoka, Aleksandra Mošenoka, Marta Kutwin, Agnieszka Ostrowska, Renata Galek, Eriks Sledevskis, Marina Krasovska, Ligita Mežaraupe</i>	SYNTHESIS OF AG AND AU NANOPARTICLES WITH MEDICAGO SATIVA L. CALLUS CELLS
10.15	<i>Anna Mežaka, Jana Paidere, Muza Kirjušina</i>	MEIOFAUNA IN FOREST BRYOPHYTES
10.30	<i>Ligita Mežaraupe, Sanita Kecko, Muza Kirjušina, Ilze Rubeniņa, Veronika Pavlova, Elizabete Maškova, Elena Kirilova</i>	MICROSCOPY OF ADULT ALARIA ALATA USING FLUORESCENT 3-AMIDINE BENZANTHRONE
10.45	<i>Danila Bulis, Antons Lobačovs, Mihails Pupins, Arturs Škute, Oksana Nekrasova, Andris Čeirāns</i>	POND ECOSYSTEM RECOVERY FOR PROTECTED SPECIES IN SILENE NATURE PARK, LATVIA: TEMPORAL DYNAMICS, ECOLOGICAL SUCCESSION, AND TRADE-OFFS IN WETLAND RESTORATION
11.00	<i>Anastasija Čerkesa, Anna Batjuka, Natalja Škute</i>	IMPACT OF DNA HYPOMETHYLATION INDUCED BY 5-AZAC ON TOTAL PROTEIN AND SOME MORPHOLOGICAL PARAMETERS IN DIFFERENT WHEAT ORGANS
11.15	<i>Lidija Vojevoda, Margita Damškalne, Anta Sparinska, Kārlis Švirksts, Marija Gailīte</i>	EFFECT OF DIFFERENT CULTIVATION METHODS ON MINITUBER YIELD OF POTATOES IN CLIMATE-CONTROLLED CONDITIONS
11.30	<i>Liega Krasovska, Mihails Pupins, Arturs Škute, Oksana Nekrasova, Andris Čeirāns</i>	PROSPECTS OF WETLAND ECOLOGICAL HOTSPOTS RESEARCH USING INNOVATIVE METHOD OF THE ESTIMATION OF ADULT FROG DENSITY AND METRICS FOR COMMUNITY ASSESSMENT AND ECOSYSTEM THRESHOLDS IDENTIFICATION
11.45	<i>Samira Jeļizaveta Garajeva, Ronalds Krams, Sergejs Popovs, Tatjana Grigorjeva, Tatjana Krama, Giedrius Trakimas, Ēriks Sļedevskis, Māris Munkevičs, Indriķis Krams</i>	INCREASED APHOMIA SOCIELLA INFESTATION AND INTERSPECIFIC COMPETITION IN BUMBLEBEES NEAR HONEYBEE APIARIES: IMPACTS ON REPRODUCTION AND IMMUNITY

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12.00 – 12.30 KAFIJAS PAUZE / COFFEE BREAK

12.30	<i>Sergejs Popovs, Tatjana Krama, Ronalds Krams, Tatjana Grigorjeva, Samira Jeļizaveta Garajeva, Indriķis Krams</i>	THE EFFECTS OF BALTIC PINE (PINUS SYLVESTRIS) NEEDLE EXTRACT ON THE LIFESPAN OF DROSOPHILA MELANOGASTER
12.45	<i>Ronalds Krams, Tatjana Krama, Indriķis Krams</i>	CORRELATION OF HAEMOSPORIDIAN INFECTION OCCURANCE IN PARIDAE FAMILY BIRDS WITH PROXIMITY TO WATER BODIES AND HOST SURVIVAL
13.00	<i>Tatjana Grigorjeva, Tatjana Krama, Sergejs Popovs, Ronalds Krams, Indriķis Krams</i>	COMMON FRUIT FLY (DROSOPHILA MELANOGASTER) BEHAVIOURAL STUDY WITH AUTOMATED SYSTEM APPLICATION
13.15	<i>Vitālijs Meinerts</i>	THE ECOLOGY OF DAY-ACTIVE BUTTERFLY POPULATION IN THE FOREST AND URBAN BIOTOPES OF DAUGAVPILS CITY: ASSESSMENT OF CLIMATIC AND ENVIRONMENTAL FACTORS

**DARBA GRUPA / WORKGROUP:**  
**VESELĪBAS APRŪPES ZINĀTNE IV / HEALTH CARE SCIENCE IV**  
**Piektdiena, 2025. gada 11. aprīlis / Friday, April 11, 2025**  
**Parādes ielā 1, 102. aud. / Parādes Street 1, Room 102**  
**Plkst. 10.00 – 13.30**

*Moderators / Chair*  
**Dr. med. ANATOLIJS POŽARSKIS**

10.00	<i>Katrīna Līga Sāre, Andis Uzāns</i>	THE IMPACT OF PATIENTS' INITIAL EXPECTATIONS ON DROPOUT FROM PSYCHODYNAMIC PSYCHOTHERAPY: A QUALITATIVE STUDY
10.15	<i>Alīna Kuprjašova, Elīna Aleksejeva, Madara Auzenbaha, Linda Gailīte, Sabīne Laktiņa</i>	METABOLIC PROFILING OF CYSTIC FIBROSIS NEGATIVE NEONATES
10.30	<i>Ance Lazdiņa, Andris Baumanis</i>	FAMILY PHYSICIANS' SELF-ASSESSMENT OF THEIR KNOWLEDGE ON THE BASICS OF MILITARY MEDICINE AND OPINIONS ON IMPLEMENTING TRAINING IN CONTINUING EDUCATION
10.45	<i>Katrīna Duka, Jana Pavāre</i>	PRESCRIBING HABITS OF ANTIBACTERIAL THERAPY IN CHILDREN WITH ACUTE INFECTIONS IN PRIMARY CARE
11.00	<i>Artjoms Panfilovs, Anna Popova, Anna Jana Saulīte, Aiga Vasiļvolfa</i>	IMPACT OF PERITONEAL DYALYSIS ON PATIENTS' WORK ABILITY
11.15	<i>Dāniels Makoveckis, Māris Taube, Jeļena Vrubļevska</i>	DARK TRIAD TRAITS AND THE BLUES OF DEPRESSION
11.30	<i>Kristiāns Patrijuks, Mārtiņš Malzubris</i>	MASQUELET TECHNIQUE IN WAR-RELATED BONE DEFECTS - THE NEW MAINSTREAM?
11.45	<i>Lana Zeltiņa, Renāta Rindjonoka, Ilga Ķikule</i>	THE IMPACT OF BLOOD PRESSURE FLUCTUATIONS IN THE FIRST 24 HOURS AFTER INTRAVENOUS THROMBOLYSIS ON THE PATIENT'S FUNCTIONAL STATUS USING THE MODIFIED RANKIN SCALE

**12.00 – 12.30 KAFIJAS PAUZE / COFFEE BREAK**

12.30	<i>Sofija Kaminska, Poļina Gorjunova, Patricija Paula Priga, Oksana Filika, Renārs Deksnis</i>	THE IMPACT OF HPV ON THE SPREAD OF HEAD AND NECK TUMORS: TREATMENT APPROACHES AND CLINICAL OUTCOMES IN HPV+ AND HPV- PATIENTS WITH OROPHARYNGEAL CANCER
12.45	<i>Valerija Janoviča, Gļebs Sirenko, Irēna Kurcalte</i>	THE INFORMATIVE VALUE OF ECG RECIPROCAL CHANGES IN THE DIAGNOSIS OF RIGHT VENTRICULAR MYOCARDIAL INFARCTION

13.00	Nadežda Kuzņecova, Roberts Petrovičs, Roberts Kristofers Ceruss	FACTORS AFFECTING 5-YEAR SURVIVAL IN PATIENTS WITH OPERATED PANCREATIC CANCER
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**DARBA GRUPA / WORKGROUP:**  
**VESELĪBAS APRŪPES ZINĀTNE V / HEALTH CARE SCIENCE V**  
Piektdiena, 2025. gada 11. aprīlis / Friday, April 11, 2025  
Parādes ielā 1, 202. aud. / Parādes Street 1, Room 202  
Plkst. 10.00 - 13.30

*Moderatore / Chair*  
*Dr. biol. LĪGA ANTOŅEVIČA*

10.00	<i>Alīna Abramova, Margarita Puķīte</i>	AGE AND ANTHROPOMETRIC PARAMETERS AS RISK FACTORS FOR ENDOMETRIOSIS
10.15	<i>Amanda Anna Vinceviča, Valda Staņēviča</i>	ASSOCIATION BETWEEN VITAMIN D LEVELS AND DISEASE ACTIVITY IN JUVENILE IDIOPATHIC ARTHRITIS PATIENTS AT THE CHILDREN'S CLINICAL UNIVERSITY HOSPITAL
10.30	<i>Anna Aizpuriete, Kārlis Žīgurs, Annija Gabriela Roze</i>	ALCOHOL CONSUMPTION AMONG RESIDENT PHYSICIANS IN LATVIA: A CROSS - SECTIONAL STUDY
10.45	<i>Arta Ārsmeniece, Margarita Puķīte, Anete Zelča</i>	ASSOCIATION BETWEEN PARITY AND HIGH-GRADE SQUAMOUS INTRAEPITHELIAL LESIONS (HSIL)
11.00	<i>Guna Prokopčika, Gunta Tīcmane</i>	FACTORS INFLUENCING THE COVERAGE OF COLORECTAL CANCER SCREENING: BARRIERS AND FACILITATORS FROM THE PERSPECTIVE OF FAMILY DOCTORS IN LATVIA
11.15	<i>Žanna Naumoveca, Sofija Ivanova, Aleksejs Fedulovs, Zane Šmite, Sabīne Skrebinska, Guna Bīlande, Marina Arisova, Jelizaveta Sokolovska</i>	CONTINUOUS GLUCOSE MONITORING IN INDIVIDUALS WITH PREDIABETES RISK FACTORS: DATA FROM THE PRAESIIDIUM STUDY
11.30	<i>Paula Kukle, Anna Lasmane, Aivars Vētra</i>	POST LOWER EXTREMITY AMPUTATION MOBILITY-A WHODAS 2.0 BASED ASSESSMENT
11.45	<i>Laura Kasparāne, Renārs Deksnis</i>	METASTASIS AND HUMAN PAPILLOMAVIRUS PREVALENCE IN BASE OF TONGUE CANCER PATIENTS BY GENDER

**12.00 - 12.30 KAFIJAS PAUZE / COFFEE BREAK**

12.30	<i>Kristiāna Bērziņa, Elizabete Zaņģe, Līga Kozlovska</i>	INCIDENCE OF CHILD SLEEP DISORDERS IN FAMILY DOCTOR'S PRACTICES IN LATVIA
12.45	<i>Kevins Ziemeļis, Ilga Baltiņa, Gunta Tīcmane</i>	THE RELATIONSHIP BETWEEN THE FREQUENCY AND AMOUNT OF ALCOHOL CONSUMPTION AND PAIN IN VARIOUS LOCATIONS, AS WELL AS THE USE OF PAIN RELIEVERS
13.00	<i>Elizabete Markova, Velga Kūse</i>	LYME BORRELIOSIS IN OUTPATIENT PRACTICE
13.15	<i>Laura Golubeva, Pauls Rubīns, Anete Zelča</i>	IMPACT OF DSDNA ANTIBODY LEVELS ON LUPUS NEPHRITIS DEVELOPMENT IN SLE PATIENTS

DARBA GRUPA / WORKGROUP:  
**VESELĪBAS APRŪPES ZINĀTNE VI / HEALTH CARE SCIENCE VI**

Piekttdiena, 2025. gada 11. aprīlis / Friday, April 11, 2025

Parādes ielā 1, 203. aud. / Parādes Street 1, Room 203

Plkst. 10.00 – 13.30

*Moderatore / Chair*

*Mg. sc. sal. MAGDALENA IGNATOVA*

10.00	<i>Anastasija Kozlova, Tatjana Koļesņikova, Sergejs Dubencovs</i>	MORPHOLOGY AND EPIDEMIOLOGY OF FATAL ELECTRICAL INJURIES IN LATVIA
10.15	<i>Anastasija Marhiļeviča, Polina Karole</i>	IMPACT OF HARMFUL HABITS ON LDL LEVEL AMONG RESIDENTS OF RIGA WITH INCREASED AND NORMAL LDL LEVEL IN A FAMILY DOCTOR'S PRACTICE
10.30	<i>Līva Rūta Smiltneice, Stefans Rjabcevs</i>	SURGICAL TREATMENT OUTCOMES FOR ACUTE SPINAL CORD INJURIES IN PATIENTS AT RIGA EAST CLINICAL UNIVERSITY HOSPITAL FROM 2017 TO 2024
10.45	<i>Kristaps Eduards Serps</i>	EXPLORATION OF THE EFFECTS OF CROSS-MODAL NEUROPLASTICITY IN CONGENITALLY BLIND CHILDREN COMPARED TO SIGHTED CHILDREN AGES 12-18 ON SPATIAL ORIENTATION AND PITCH DIFFERENTIATION
11.00	<i>Kristaps Eduards Serps</i>	ANALYZING FUNCTIONAL OUTCOMES OF ACUTE STROKE USING THE MODIFIED RANKIN SCALE AND MACHINE LEARNING TECHNIQUES
11.15	<i>Žanis Sevastjanovs, Tatjana Petkus</i>	RESULTS OF COLONOSCOPY PERFORMED AFTER POSITIVE COLORECTAL SCREENING IN GENERAL PRACTITIONER PRACTICE
11.30	<i>Diāna Pabērza, Līva Mača</i>	FACTORS RELATED TO MEDICATION ADHERENCE IN MULTIMORBID PATIENTS IN GULBENE AND RIGA
11.45	<i>Kristaps Eduards Serps</i>	APPLICATION OF MACHINE LEARNING MODELS IN PREDICTING IN-HOSPITAL MORTALITY AND ITS RISK FACTORS FOR ACUTE STROKE

12.00 – 12.30 KAFIJAS PAUZE / COFFEE BREAK

12.30	<i>Kristaps Tracums, Sergejs Klimcuks</i>	HYPERHIDROSIS SURGICAL TREATMENT
12.45	<i>Kristaps Tracums, Andrejs Pčolkins</i>	ASSESSMENT OF STOMA CLOSURE COMPLICATIONS IN ONCOLOGICAL PATIENTS AFTER LAPAROSCOPIC COLORECTAL SURGERIES
13.00	<i>Olga Kucaja, Aleksejs Fedulovs, Irena Puzirevska, Jelizaveta Sokolovska, Zane Svikle</i>	ASSOCIATION BETWEEN DIABETIC RETINOPATHY AND GLYCEMIC CONTROL PARAMETERS IN PATIENTS WITH TYPE 1 DIABETES IN LATVIA
13.15	<i>Robins Ušackis, Viktorija Fokina, Armands Sīviņš, Elīna Sīviņa</i>	IMPACT ON SURVIVAL OF GASTRIC CANCER PATIENTS - INTERCONNECTION BETWEEN LOCATION OF THE GASTRIC CANCER, GASTRIC CANCER DIFFERENTIATION GRADE AND TOTAL OR SUBTOTAL GASTRECTOMY

DARBA GRUPA / WORKGROUP:  
**VESELĪBAS APRŪPES ZINĀTNE VII / HEALTH CARE SCIENCE VII**

Piekttdiena, 2025. gada 11. aprīlis / Friday, April 11, 2025

Parādes ielā 1, 201. aud. / Parādes Street 1, Room 201

Plkst. 10.00 – 13.15

*Moderatore / Chair*

*Ph. D. EVITA GRĀVELE*

10.00	<i>Anda Zamure, Krista Ļūmane, Viktors Kozirovskis</i>	SMALL CELL LUNG CANCER TREATMENT RESULTS AT PSCUH ONCOLOGY CLINIC IN 2022
10.15	<i>Anete Zelča, Margarita Puķīte, Laura Golubeva, Arta Ārsmeniece</i>	THE ROLE OF PATIENT EDUCATION IN RECOGNIZING UTERINE FIBROID SYMPTOMS BASED ON LOCATION



10.30	<i>Armands Rimšāns, Ilja Ratiani, Liene Skrinda, Ilja Degtjarjovs</i>	RETROSPECTIVE ANALYSIS OF METASTATIC HORMONE-POSITIVE BREAST CANCER: RELATIONSHIP BETWEEN BREAST CANCER TYPE AND METASTASIS LOCATION
10.45	<i>Armands Rimšāns, Ilja Ratiani, Liene Skrinda, Ilja Degtjarjovs</i>	STUDY OF METASTATIC BREAST CANCER PATIENTS: A DESCRIPTIVE APPROACH
11.00	<i>Ilze Tumšā, Iveta Mintāle</i>	EVALUATION OF MODIFIABLE RISK FACTORS AND HEALTH AWARENESS AMONG MEDICAL AND NURSING STUDENTS AT THE UNIVERSITY OF LATVIA
11.15	<i>Viktorija Orlova, Linda Kokaine</i>	COLORECTAL ANASTOMOTIC LEAKAGE: RISK FACTORS, DIAGNOSIS AND MANAGEMENT
11.30	<i>Elīna Kolesova, Oksana Filika, Stefans Rjabcevs</i>	ANALYSIS OF CLINICAL OUTCOMES IN THE TREATMENT OF SEVERE HEAD INJURY DURING THE PERIOD FROM 2022 TO 2024, IN PATIENTS AGED 18 TO 40 YEARS
11.45	<i>Viktorija Lovniece, Natālija Bērza</i>	THE ROLE AND MANAGEMENT OF UTERINE SEPTUM IN INFERTILITY AND RECURRENT MISCARRIAGE

**12.00 - 12.30 KAFIJAS PAUZE / COFFEE BREAK**

12.30	<i>Laura Viduskalna, Sanita Broliša, Katrīna Mikucka, Rita Geske</i>	RISK FACTORS FOR URINARY TRACT INFECTIONS IN CHILDREN AGES FROM 1 TO 7 YEARS
12.45	<i>Regīna Krikova, Jeļena Daniļenko</i>	STUDY ON IMPACTING FACTORS OF LOW RESPONSE TO COLORECTAL CANCER SCREENING IN TARGET GROUP IN LATVIA
13.00	<i>Roberts Kristofers Ceruss, Roberts Petrovičs</i>	DIFFERENT TYPE OF THYROID IMAGING AND REPORTING DATA SYSTEM (TIRADS) COMPARISON IN CLINICAL THYROID NODULE MALIGNANCY RISK DETERMINATION

**DARBA GRUPA / WORKGROUP:  
IZGLĪTĪBAS ZINĀTNES, SPORTS / EDUCATIONAL SCIENCES, SPORT**

**Piektdiena, 2025. gada 11. aprīlis / Friday, April 11, 2025  
Parādes ielā 1, 115. aud. / Parādes Street 1, Room 115  
Plkst. 10.00 - 13.15**

*Moderatore / Chair  
PhD DZINTRA ILIŠKO*

10.00	<i>Li Shuing, Anita Pipere, Dzintra Iliško</i>	HAPPINESS AND EDUCATION FOR SUSTAINABLE DEVELOPMENT: A PERSPECTIVE FROM CHINA
10.15	<i>Artūrs Fišers, Eridiana Oļemoviča, Andris Kupšāns, Mārīte Kravale- Pauliņa</i>	IMPROVING SECONDARY SCHOOL STUDENTS' INFORMATION ANALYSIS SKILLS IN "PEOPLE AND MICROECONOMICS"
10.30	<i>Kristers Vēvers, Eridiana Oļemoviča, Solveiga Liepa, Mārīte Kravale- Pauliņa</i>	THE IMPACT OF LANGUAGE INTERFERENCE ON THE DEVELOPMENT OF HIGH SCHOOL STUDENTS' WRITING SKILLS IN LEARNING ENGLISH AS A FOREIGN LANGUAGE
10.45	<i>Raivis Malnacs, Eridiana Oļemoviča, Andris Vagalīs, Mārīte Kravale- Pauliņa</i>	PROMOTION OF STUDENTS' SELF-DIRECTED LEARNING SKILLS IN COMPUTER SCIENCE AT THE PRIMARY EDUCATION LEVEL
11.00	<i>Zane Staģiša, Eridiana Oļemoviča, Solveiga Liepa, Mārīte Kravale- Pauliņa</i>	SECONDARY SCHOOL STUDENTS' LANGUAGE ACQUISITION AT A1 LEVEL IN YEAR 10: SPANISH AS A THIRD FOREIGN LANGUAGE
11.15	<i>Gunita Delijeva, Aija Ozola</i>	PRESCHOOL TEACHERS' BELIEFS ABOUT THE STATE LANGUAGE AS A VALUE IN EDUCATIONAL PRACTICE

11.30	<i>Ieva Ušča</i>	CLASSROOM TEACHER OBSERVATION IN LATVIA 1918-1934: OBJECTIVES AND PROFESSIONAL DEVELOPMENT BENEFITS
11.45	<i>Zoja Chehlova, Ina Gode</i>	PEDAGOGY AS A SCIENCE IN THE EDUCATION SYSTEM OF LATVIA

12.00 – 12.30 KAFIJAS PAUZE / COFFEE BREAK

12.30	<i>Poļina Maļuhina, Anita Sondore</i>	CROSS-SUBJECT LINK IN SAMPLES OF THE PHYSICAL AND MATHEMATICAL CURRICULUM OF PRIMARY EDUCATION IN LATVIA
12.45	<i>Vija Kovaļkova</i>	“SHADOW EDUCATION” FROM METAPHOR TO ACADEMIC DEFINITION
13.00	<i>Valts Freibergs</i>	THE THEORETICAL BASIS OF ADVENTURE ACTIVITIES FOR INCLUSION IN PHYSICAL EDUCATION LESSONS IN ELEMENTARY SCHOOL

**DARBA GRUPA / WORKGROUP:  
VĒSTURE UN KULTŪRAS VĒSTURE /  
HISTORY AND HISTORY OF CULTURE**  
Piektdiena, 2025. gada 11. aprīlis / Friday, April 11, 2025  
Parādes ielā 1, 416. aud. / Parādes Street 1, Room 416  
Plkst. 12.40 – 14.00

*Moderatore / Chair*  
**Ph. D. MAIJA GRIZĀNE**

12.40	<i>Vitālijs Gagunovs</i>	REZEKNE OLD BELIEVERS' CEMETERY MONUMENTS (SECOND HALF OF THE 19TH CENTURY - 20TH CENTURY)
13.00	<i>Irēna Saleniece, Laima Grišule</i>	PROPERTY OF THE DEPORTEES FOR THE NEEDS OF LATGALE SCHOOLS, 1949
13.20	<i>Aleksandrs Šhordanovs</i>	LABOUR SAFETY AND HEALTH CARE AT THE REZEKNE CANNED MILK PLANT (1957-1990)
13.40	<i>Mārtiņš Vesperis</i>	SPECIFICS OF THE FORMATION OF URBAN NEIGHBORHOODS. THE EXAMPLE OF STIRNURAGS IN THE CITY OF JURMALA

## Layout of Manuscripts for the collection “Proceedings of the 67<sup>th</sup> international scientific conference of Daugavpils University”

„Proceedings of the 67<sup>th</sup> international scientific conference of Daugavpils University” publishes original papers, based on the presentations at the international conference, held in Daugavpils, 10–11 April, 2025. Proceedings of the scientific international conference of Daugavpils University are published electronically on [www.dukonference.lv](http://www.dukonference.lv) since 2010. It is not issued in paperback.

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### The rules for the paper setting:

- The article should be written in a version of *MS Word*, adapted for the *Windows* operating system (DOC/DOCX file). If non-standard font is used, please send it along with the article by e-mail.
- **Structure of the article:**
  - the full Title of the article (font size – 16; **bold**; Caps Lock);
  - Author’s full name(s) (font size – 14; **bold**);
  - Institution, Address, e-mail (font size – 12);
  - Abstract in English and Latvian – 1500 characters (font size – 10; line spacing – 1);
  - Key words (5- 6) should be in abstract language (font size – 10; *italic*);
  - Text of the article. The recommended length of submissions is 12 000 – 15 000 characters (font size – 12; line spacing - 1,5; margin – 2.0 cm). It is recommended to divide the body of the text into the following chapters (humanities and social sciences): *Introduction (the Aim of the Article, Material and Methods)*, *Discussion*, *Conclusions*, *Acknowledgement*, *References*. It is recommended to divide the body of the text into the following chapters (natural sciences): *Introduction*, *Material and Methods*, *Results*, *Discussion*, *Conclusions*, *Acknowledgement*, *References*.
  - Pictures, figures, charts and diagrams should be attached as jpg, gif or tif separate files, as well as must be included in the manuscripts text. Tables should comprise only vertical and horizontal lines. Tables, graphs, diagrams, charts and other illustrative materials should be presented indicating the source of the material and, if necessary, the methods applied to draw up tables, graphs, diagrams, charts (calculation, data summarizing and so on). All these materials should have a number and a heading;
  - Remarks and explanations should be placed at footnotes;
  - References (font – 12, line spacing – 1).
- References and remarks:
  - References should be indicated in the text by giving the author’s surname with the publication year, e.g., (Turner 1990), and if from concrete page, e.g., (Turner 1990: 12);
  - if abbreviations are used in references (e.g. titles of dictionaries, etc.) they must be deciphered in bibliography but in the text reference just the volume and page numbers may be indicated without mentioning the year of publication, e.g. (LKV II: 81);
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# IMPROVEMENT OF QUALITATIVE RURAL LIVING ENVIRONMENT IN LATVIA IN LEADER PROGRAM FRAMES

**Inga Kurse**

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## Abstract

**Improvement of qualitative rural living environment in Latvia in LEADER program frames**

### Key Words:

Abstract text.....

## Kopsavilkums

**Kvalitatīvas lauku dzīves vides uzlabošana Latvijā LEADER programmas ietvaros**

### Atslēgvārdi:

Kopsavilkuma teksts .....

Body text.....

## References

- Breidaks A. 1996. *Augšzemnieku dialekta latgalisko izlokšņu fonētikas atlants*. Daugavpils: Saule.
- Lawrence J.F., Newton A.F 1995. Families and subfamilies of Coleoptera (with selected genera, notes, references and data on family-group names). In: Pakaluk J., Slipinski S.A. (eds.). *Biology, Phylogeny and Classification of Coleoptera. Papres Celebrating the 80th Birthday of Roy A. Crowson*. Vol.2. Warszawa, pp. 779 – 1006.
- Drees C., Matern A., Vermeulen R., Assmann Th. 2007. The influence of habitat quality on populations a plea for an amended approach in the conservation of *Agonum ericeti*. In: *Baltic Journal of Coleopterology*. Vol.7(1), Daugavpils, pp. 1 – 8.
- Turner R. H. 1990. A Comparative Content Analysis of Biographies. In: Qyen, E., ed *Comparative Methodology: Theory and Practice in International Social Research*. London, etc.: Sage Publications, pp. 134 – 150.
- Strazdiņš I. 1999. Matemātiķi pasaulē un Latvijā. No: *Zinātnes Vēstnesis*, 8. marts.
- TET 2011. *Types of Electronic Translators*. [skatīts 04.03.2011]. Pieejams (Accessed): <http://www.buzzle.com>
- VPSV 2007. *Valodniecības pamattermiņu skaidrojošā vārdnīca*. Rīga: LU Latviešu valodas institūts, Valsts valodas aģentūra.
- Soms H 2009. *Vēstures informātika: Saturs, struktūra un datu bāze Latgales dati*. <http://www.du.lv/LD/LDpublik.html> [10.02.2009].
- Шмит К. 1992. Понятие политического. *Вопросы социологии*, № 1, с. 37 – 67.