



***DAUGAVPILS UNIVERSITĀTES  
66. STARPTAUTISKĀS  
ZINĀTNISKĀS KONFERENCES***

**PROGRAMMA**

**PROGRAMME OF  
*THE 66<sup>th</sup> INTERNATIONAL  
SCIENTIFIC CONFERENCE OF  
DAUGAVPILS UNIVERSITY***

**DAUGAVPILS  
18.04. – 19.04.2024.**

**Daugavpils Universitātes 66. starptautiskās zinātniskās konferences  
Programmas komiteja**

*Dr. biol. prof. Arvīds Barševskis* (Daugavpils Universitātes rektors, Latvija) – Programmas komitejas priekšsēdētājs  
*Dr. biol. prof. Inese Kokina* (Daugavpils Universitātes zinātņu prorektora p.i., Latvija) – Programmas komitejas priekšsēdētāja vietniece  
*Dr. habil. art. prof. Romualdas Apanavičius* (Vītauta Dižā universitāte, Lietuva)  
*Dr. habil. prof. Jakubs Bartoševskis* (Koninas Lietišķo zinātņu Valsts universitāte, Polija)  
*Dr. philol. prof. Maija Burima* (Daugavpils Universitāte, Latvija)  
*PhD prof. Yesudas Choondassery* (Bērklījas koledža, ASV)  
*Dr. paed. asoc. prof. Sergejs Čapulīis* (Daugavpils Universitāte, Latvija)  
*Dr. art. prof. Ēvalds Daugulis* (Daugavpils Universitāte, Latvija)  
*Dr. paed. prof. Jeļena Davidova* (Daugavpils Universitāte, Latvija)  
*Dr. habil. philol. prof. Ina Druviete* (Latvijas Universitāte, Latvija)  
*PhD prof. Ulla Harkonena* (Joensū Universitāte, Somija)  
*PhD prof. Dzintra Iliško* (Daugavpils Universitāte, Latvija)  
*Dr. hum. prof. Genovaitē Kačiuškiene* (Lietuva)  
*Dr. psych. prof. Irēna Kokina* (Daugavpils Universitāte, Latvija)  
*PhD prof. Enne Koresaare* (Tartu Universitāte, Igaunija)  
*Dr., assist. prof. Detlev Lindau-Bank* (Fehtas Universitāte, Vācija)  
*Dr. sc. soc. prof. Vladimirs Meņšikovs* (Daugavpils Universitāte, Latvija)  
*Dr. chem. asoc. prof. Sergejs Osipovs* (Daugavpils Universitāte, Latvija)  
*Dr. habil. sc. ing. prof. Slavomirs Partickis* (Jāņa Pāvila II Ļubļinas Katoliskā universitāte, Polija)  
*Dr. med. asoc. prof. Anatolijs Požarskis* (Daugavpils Universitāte, Latvija)  
*Dr. hist. prof. Irēna Saleniece* (Daugavpils Universitāte, Latvija)  
*Dr. habil. biol. prof. Jaroslavs Sklodovskis* (Varšavas Dzīvības zinātņu universitāte, Polija)  
*Dr. geol. asoc. prof. Juris Soms* (Daugavpils Universitāte, Latvija)  
*Dr. theol. prof. Anita Stašulāne* (Daugavpils Universitāte, Latvija)  
*Dr. paed. prof. Malgoržata Susvillo* (Varnijas un Mazuru Universitāte Olštīnā, Polija)  
*PhD prof. emeritus Geoffrey R. Swain* (Glāzgovas Universitāte, Apvienotā Karaliste)  
*Dr. philol. prof. Vilma Šaudiņa* (Daugavpils Universitāte, Latvija)  
*Dr. biol. prof. Ingrīda Šauliēne* (Viļņas Universitāte, Lietuva)  
*Dr. biol. prof. Artūrs Škute* (Daugavpils Universitāte, Latvija)  
*Dr. biol. prof. Natalja Škute* (Daugavpils Universitāte, Latvija)  
*Dr. oec. Manuela Tvaronavičiēne* (Lietuvas ģenerāļa Jona Žemaiša militārā akadēmija, Lietuva)  
*Dr. habil. paed., Dr. habil. psych. prof. Aleksejs Vorobjovs* (Daugavpils Universitāte, Latvija)  
*Dr. iur. prof. Vitolds Zahars* (Daugavpils Universitāte, Latvija)

**Daugavpils Universitātes 66. starptautiskās zinātniskās konferences  
Rīcības komiteja**

*Dr. biol. prof. Inese Kokina* (Daugavpils Universitātes zinātņu prorektora p.i., Latvija) – Rīcības komitejas priekšsēdētāja  
Ludmila Aleksejeva, Maksims Balalaikins, Zeltīte Barševska, Maija Burima, Jana Butāne-Zarjuta, Ilona Fjodorova, Ēriks Jerockis, Mārīte Kravale-Pauliņa, Jānis Kudiņš, Liene Lukjaņenko, Miervaldis Mendriks, Olita Miglāne, Irēna Mihailova, Sergejs Osipovs, Andrejs Radionovs, Matiss Ruskulis, Irēna Saleniece, Daiga Saulīte, Juris Soms, Anna Vanaga

© Daugavpils Universitāte, 2024

© Daugavpils Universitātes Jauno zinātnieku asociācija, 2024

## *Programme Committee of the 66<sup>th</sup> International Scientific Conference of Daugavpils*

*Dr. biol. prof. Arvīds Barševskis* (Rector of Daugavpils University, Latvia) – Chairman of Scientific Committee  
*Dr. biol. prof. Inese Kokina* (Acting Vice Rector for Science of Daugavpils University, Latvia) – Vice Chairman  
*Dr. habil. art. prof. Romualdas Apanavičius* (Vytautas Magnus University, Lithuania)  
*Dr. habil. prof. Jakub Bartoszewski* (State University of Applied Sciences in Konin, Poland)  
*Dr. philol. prof. Maija Burima* (Daugavpils University, Latvia)  
*PhD prof. Yesudas Choondassery* (Berkeley College, USA)  
*Dr. paed. asoc. prof. Sergejs Čapulis* (Daugavpils University, Latvia)  
*Dr. art. prof. Ēvalds Daugulis* (Daugavpils University, Latvia)  
*Dr. paed. prof. Jeļena Davidova* (Daugavpils University, Latvia)  
*Dr. habil. philol. prof. Ina Druviete* (University of Latvia, Latvia)  
*PhD prof. Ulla Harkonen* (Joensuu University, Finland)  
*PhD prof. Dzintra Iliško* (Daugavpils University, Latvia)  
*Dr. hum. prof. Genovaitė Kačiuškiene* (Lithuania)  
*Dr. psych. prof. Irēna Kokina* (Daugavpils University, Latvia)  
*PhD prof. Enne Koresaare* (University of Tartu, Estonia)  
*Dr., assist. prof. Detlev Lindau-Bank* (University of Vechta, Germany)  
*Dr. sc. soc. prof. Vladimirs Meņšikovs* (Daugavpils University, Latvia)  
*Dr. chem. asoc. prof. Sergejs Osipovs* (Daugavpils University, Latvia)  
*Dr. habil. sc. ing. prof. Sławomir Partycki* (The John Paul II Catholic University of Lublin, Poland)  
*Dr. med. asoc. prof. Anatolijs Požarskis* (Daugavpils University, Latvia)  
*Dr. hist. prof. Irēna Saleniece* (Daugavpils University, Latvia)  
*Dr. habil. biol. prof. Yarosław Skłodowski* (Warsaw University of Life Sciences, Poland)  
*Dr. geol. asoc. prof. Juris Soms* (Daugavpils University, Latvia)  
*Dr. theol. prof. Anita Stašulāne* (Daugavpils University, Latvia)  
*Dr. paed. prof. Małgorzata Suswillo* (University of Warmia and Mazury in Olsztyn, Poland)  
*PhD prof. emeritus Geoffrey R. Swain* (University of Glasgow, United Kingdom)  
*Dr. philol. prof. Vilma Šaudiņa* (Daugavpils University, Latvia)  
*Dr. biol. prof. Ingrida Šauliene* (Vilnius University, Lithuania)  
*Dr. biol. prof. Artūrs Škute* (Daugavpils University, Latvia)  
*Dr. biol. prof. Natalja Škute* (Daugavpils University, Latvia)  
*Dr. habil. oec. Manuela Tvaronavičiene* (The General Jonas Žemaitis Military Academy of Lithuania, Lithuania)  
*Dr. habil. paed., Dr. habil. psych. prof. Aleksejs Vorobjovs* (Daugavpils University, Latvia)  
*Dr. iur. prof. Vitolds Zahars* (Daugavpils University, Latvia)

## *Organizing Committee of the 66<sup>th</sup> International Scientific Conference of Daugavpils University*

*Dr. biol. prof. Inese Kokina* (Acting Vice Rector for Science of Daugavpils University) – Chairperson of Organizing Committee

Ludmila Aleksejeva, Maksims Balalajkins, Zeltīte Barševska, Maija Burima, Jana Butāne-Zarjuta, Ilona Fjodorova, Ēriks Jerockis, Mārīte Kravale-Pauliņa, Jānis Kudiņš, Liene Lukjaņenko, Miervaldis Mendriks, Olita Miglāne, Irēna Mihailova, Sergejs Osipovs, Andrejs Radionovs, Matīss Ruskulis, Irēna Saleniece, Daiga Saulīte, Juris Soms, Anna Vanaga

# KONFERENCES DARBA KĀRTĪBA / CONFERENCE AGENDA

**2024. GADA 18. APRĪLIS / APRIL 18, 2024**

**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

*Ilze Kačāne* “**Aesthetic Cosmopolitanism in the Latvian Periodicals: the First Half of the Twentieth Century**” (Daugavpils University, Latvia)

*Sanita Kecko* “**Luminophores for studies of adult *Parafasiolopsis fasciolaemorpha* by confocal laser scanning microscopy**” (Daugavpils University, Latvia)

*Deniss Vasiljevs* “**What can we do better in acute coronary syndrome treatment?**” (Daugavpils University, Daugavpils Regional Hospital, 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

**2024. GADA 19. APRĪLIS / APRIL 19, 2024**

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

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

**9.30** *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!**

# 2024. GADA 18. APRĪLIS / APRIL 18, 2024

DARBA GRUPA / WORKGROUP:

**BIOLOĢIJA / BIOLOGY**

Ceturtdiena, 2024. gada 18. aprīlis / Thursday, April 18, 2024

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

Plkst. 12.00 – 14.45

*Moderatore / Chair*

*Dr. biol. TATJANA KRAMA*

---

12.00	<i>Sergejs Popovs, Māris Munkevics, Tatjana Krama, Ronalds Krams, Ēriks Šļedevskis, Giedrius Trakimas, Kristis Zants, Tatjana Grigorjeva, Valdis Mizers, Vadims Kolbjonoks, Priit Jōers, Colton B. Adams, Indriķis Krams</i>	ALTERED WALKING PATTERNS ARE LINKED WITH IMPROVED ADULT SURVIVAL IN DROSOPHILA MELANOGASTER GROWN WITH PREDATORS DURING LARVAL DEVELOPMENT
12.15	<i>Kristis Zants, Sergejs Popovs, Māris Munkevics, Tatjana Krama, Ronalds Krams, Giedrius Trakimas, Tatjana Grigorjeva, Priit Jōers, Colton B. Adams, Indriķis Krams</i>	ASSOCIATION BETWEEN AGGRESSIVE BEHAVIOUR AND YEAST AMOUNT IN THE FOOD OF MALE FRUIT FLIES DROSOPHILA MELANOGASTER
12.30	<i>Tatjana Grigorjeva, Vita Viktorija Čimirina, Annija Kotova, Tatjana Krama, Sergejs Popovs, Māris Munkevics, Kristis Zants, Ronalds Krams, Priit Jōers, Giedrius Trakimas, Colton B. Adams, Indriķis Krams</i>	AUTOMATED SYSTEMS APPLICATION IN BEHAVIOURAL STUDIES OF FRUIT FLIES (DROSOPHILA MELANOGASTER MEIGEN, 1830)
12.45	<i>Indriķis Krams, Colton B. Adams, Todd M. Freeberg, Sergejs Popovs, Ronalds Krams, Dāvids Fridmanis, Dita Gudrā, Māris Munkevics, Giedrius Trakimas, Tatjana Krama</i>	FEEDING BEHAVIOUR, BLOOD GLUCOSE AND BLOOD MICROBIOME IN WINTERING EUROPEAN GREENFINCHES (CHLORIS CHLORIS)
13.00	<i>Ronalds Krams, Colton B. Adams, Sergejs Popovs, Māris Munkevics, Tatjana Krama, Giedrius Trakimas, Markus J. Rantala, Todd M. Freeberg, Indriķis Krams</i>	PERMANENT AND IRREGULAR FEEDING REGIME EFFECT ON THE SURVIVAL OF WINTERING GREAT TITS (PARUS MAJOR LINNAEUS, 1758)

---

13.15	Colton B. Adams, Indriķis Krams, Todd M. Freeberg, Tatjana Krama, Giedrius Trakimas, Sergejs Popovs, Māris Munkevics, Ronalds Krams	WILLOW TITS (POECILE MONTANUS) ELICIT PROPHYLACTIC MOBING CALLS UPON APPROACH TO DENSELY VEGETATED FORAGING SITES
13.30	Nataļja Škute, Anastsija Karnilova, Aleksandrs Petjukevičs, Anna Batjuka	CHANGES OF DYNAMICS OF PHOTOCHEMICAL ACTIVITY OF PHOTOSYSTEM II UNDER SHORT-TERM THERMAL SHOCKS IN DIFFERENT WHEAT CULTIVARS
13.45	Inese Kokina, Ilona Plaksenkova, Aleksandra Mošenoka, Marija Jermaļonoka, Marina Krasovska, Eriks Sledevskis	EFFECT OF NANOPARTICLES ON THE GENOME STABILITY OF BARLEY (HORDEUM VULGARE L.) SEEDLINGS GROWN UNDER SALINITY STRESS
14.00	Inese Kokina, Ilona Plaksenkova, Lauris Jankovskis, Marija Jermaļonoka, Renata Galek, Ligita Mezaraupe, Marina Krasovska, Eriks Sledevskis	IN VIVO BIOSYNTHESIS OF AU AND AG NPS USING MEDICAGO SATIVA L. SEEDLINGS
14.15	Makabelo Tenane, Tsepo Mokuku	INVESTIGATING BIOLOGY STUDENTS CONCEPTION OF ECOLOGY OF A WETLAND ECOSYSTEM
14.30	Alex Roberto, Maria Ana Ella Gonzales, Honeybe D. Bantulo	PRODUCTION OF ALTERNATIVE ELECTROLYTE SOURCE FOR BIO-BATTERY VIA SYNERGISTIC ACTIVITY OF FERMENTED POMELO (CITRUS MAXIMA) PEEL AND CALAMANSI (CITRUS MICROCARPA) PEEL

**DARBA GRUPA / WORKGROUP:  
VĒSTURE UN KULTŪRAS VĒSTURE /  
HISTORY AND HISTORY OF CULTURE**  
Ceturtdiena, 2024. gada 18. aprīlis / Thursday, April 18, 2024  
Parādes ielā 1, 417. aud. / Parādes Street 1, Room 417  
Plkst. 12.00 – 13.30

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

12.00	Zintis Kārklīšs	THE LEGAL REGULATION OF SMUGGLING COMBAT IN LATVIA: HISTORICAL DEVELOPMENT (1918-1940)
12.15	Mārtiņš Vesperis	SOME ASPECTS OF THE ACTIVITIES OF THE LATVIAN JEWISH HEALTH PROTECTION SOCIETY "OZE" (1923-1940)
12.30	Ina Kirīčānska	CHANGES IN THE APPEARANCE OF THE OLD BELIEVERS OF LATVIA IN THE 20S-30S OF THE TWENTIETH CENTURY
12.45	Paula Sekača	KULTŪRAS PRESE NACISTISKĀS OKUPĀCIJAS PERIODĀ (1942-1944): LAIKMETS UN LATVJU MĒNEŠRAKSTS
13.00	Kristaps Jumis	RESTORATION OF DAUGAVPILS BEER BREWERY AFTER THE SECOND WORLD WAR, BASED ON ARCHIVE DOCUMENTS
13.15	Aleksandrs Šehordanovs	SOCIAL CONDITIONS OF WORKERS IN THE REZEKNE FERROCONCRETE CONSTRUCTION PLANT (1957-1990)

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

Ceturtdiena, 2024. gada 18. aprīlis / Thursday, April 18, 2024

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

Plkst. 12.00 - 16.00

*Moderatore / Chair*

*Dr. oec. VIKTORIJA ŠIPILOVA*

12.00	<i>Jolanta Vjakse</i>	WORK-BASED LEARNING IN VOCATIONAL EDUCATION AND LIFELONG LEARNING IN LATVIA, THEIR DEVELOPMENT PROSPECTS
12.15	<i>Anna Dembovskaya, Irēna Kokina</i>	DAUDZDIMENSIONĀLĀ PIEEJA RAŽOŠANAS PROCESA KVALITĀTES NODROŠINĀŠANAI PUBLISKAJĀ UN KOMERCIĀLAJĀ SEKTORĀ LEAN TRANSFORMĀCIJAS KONCEPTA IETVAROS
12.30	<i>Elizabete Bartansone</i>	KRĀPŠANA, IZMANTOJOT INFORMĀCIJAS UN KOMUNIKĀCIJAS TEHNOLOĢIJAS
12.45	<i>Iwona Lasek-Surowiec</i>	PREPARATIONS FOR THE INTRODUCTION OF THE DIGITAL EURO IN THE EUROPEAN UNION - LEGAL APPROACH
13.00	<i>Anita Kovaļevska</i>	COMPETENCE OF ADMINISTRATIVE COURTS IN LATVIA: DOES THE LAW CONTAIN AN EXHAUSTIVE LIST OF TYPES OF APPLICATIONS?
13.15	<i>Inguna Lazdiņa, Andra Zvirbule, Līna Šneideraitiene</i>	THE SMART CONCEPT TRANSFORMATION AND INTEGRATION IN THE SUSTAINABLE ROAD NETWORK DEVELOPMENT OF LATVIA AND LITHUANIA
13.30	<i>Violeta Vilkoityte</i>	SOCIAL INVESTMENT STRATEGIES FOR ACTIVE AGING SUCCESS IN LITHUANIA
13.45	<i>Marcin Oskierko, Sławomir Żurawski</i>	SECURITY MANAGEMENT DURING THE MIGRATION CRISIS ON THE POLISH-BELARUSIAN BORDER
14.00	<i>Jolanta Rimša- Auguceviča</i>	EMOTIONAL INTELLIGENCE MANAGEMENT IN A HYBRID WORK ENVIRONMENT
14.15	<i>Joe Mari N. Flores</i>	WORK ENGAGEMENT AS A FUNCTION OF PSYCHOLOGICAL EMPOWERMENT, SELF-EFFICACY AND JOB SATISFACTION AMONG FINANCIAL MANAGERS
14.30	<i>Farook al Masud</i>	GLOBAL BUSINESS BY INTERNATIONAL RELATIONS
14.45	<i>Ineta Lakstīgala</i>	DEVELOPMENT OF PROFESSIONAL COMPETENCE OF EMPLOYEES
15.00	<i>Aleksejs Homutiņins, Viktorija Šipilova, Ludmila Aleksejeva</i>	IEDZĪVOTĀJU DEPOPULĀCIJAS ĪPATNĪBAS EKONOMISKĀS ATTĪSTĪBAS KONTEKSTĀ
15.15	<i>Diana Krasnova, Marija Grinavica</i>	EUROPEAN VALUES: A COMPARATIVE CULTURE ANALYSIS
15.30	<i>Zane Šime</i>	POSITIONALITY IN THE EUROPEAN RESEARCH AREA THROUGH LEARNING SPACES OFFERED BY PROJECTS
15.45	<i>Silvija Stupāne</i>	IMPACT OF FOREST USE VIOLATIONS ON CONSERVATION OF NATURAL DIVERSITY

**DARBA GRUPA / WORKGROUP:  
IZGLĪTĪBAS ZINĀTNES, PSIHOLOĢIJA / EDUCATIONAL SCIENCES, PSYCHOLOGY**

Ceturtdiena, 2024. gada 18. aprīlis / Thursday, April 18, 2024

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

Plkst. 12.00 - 14.30

*Moderatore / Chair*

*PhD DZINTRA ILIŠKO*

12.00	<i>Shenglin Sun, Dzintra Iliško</i>	ADAPTIVE SPORTS ACTIVITIES FOR THE ADOLESCENTS WITH MILD INTELLECTUAL DISABILITIES
12.15	<i>Alise Mishkovska, Dzintra Iliško</i>	COMPETENCES FOR BUILDING THE ALLIANCE BETWEEN COACHES AND ELITE FIGURE SKATERS
12.30	<i>Shenglin Sun</i>	EMPIRICAL STUDY ON THE IMPACT OF SPORTS INTEGRATION EDUCATION (ADAPTIVE SPORTS ACTIVITIES) ON SPORTS PARTICIPATION OF SPECIAL NEEDS CHILDREN (ADOLESCENTS WITH MILD INTELLECTUAL DISABILITIES)
12.45	<i>Retselisitsoe Lebona</i>	EXPLORING THE INTEGRATION OF MODERN TECHNOLOGY IN EDUCATION: INSIGHTS FROM ERASMUS STUDENTS
13.00	<i>Mingzhi Hu, Dzintra Iliško</i>	ICT IN VOCATIONAL EDUCATION IN CHINA IN POST-PANDEMIC

13.15	<i>Lipolelo Thamae, Dzintra Iliško</i>	LITERACY SUSTAINABILITY: WHAT PEDAGOGICAL PRACTICES? WHOSE ROLE?
13.30	<i>Shuying Li</i>	SUMMARY OF THE HAPPINESS OF HIGH SCHOOL TEACHERS AND STUDENTS IN CHINA AND LATVIA AND THEIR IMPLEMENTATION IN EDUCATION
13.45	<i>Kristīne Ozollapa</i>	VALIDATION OF A CRITICAL THINKING TEST TO ASSESS REFLECTION SKILLS OF GYMNASIUM STUDENTS IN THE 7 <sup>TH</sup> GRADE
14.00	<i>Liu Yufei</i>	VR HOLOGRAPHIC CONNECTED CLASSROOM AND METAVERSE THE SIGNIFICANCE OF NEW TECHNOLOGY IN THE EDUCATION INDUSTRY
14.15	<i>Sergejs Andrejevs, Vitālijs Raščevskis</i>	PATTERNS OF PARENT-CHILD RELATIONSHIPS IN LATVIAN EMERGING ADULTHOOD: A CLUSTER ANALYSIS APPROACH

**DARBA GRUPA / WORKGROUP:  
DATORZINĀTNE, MATEMĀTIKA UN FIZIKA /  
COMPUTER SCIENCE, MATHEMATICS AND PHYSICS**

Ceturtdiena, 2024. gada 18. aprīlis / Thursday, April 18, 2024

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

Plkst. 12.00 – 13.45

*Moderators / Chair  
Mg. phys. VALDIS MIZERS*

12.00	<i>Jurgita Lieponienė</i>	COMPARISON OF EXPECTATION MAXIMIZATION AND K-MEANS CLUSTERING ALGORITHMS
12.15	<i>Anita Kiričuka</i>	ON BOUNDARY VALUE PROBLEMS FOR LIÉNARD TYPE EQUATION
12.30	<i>Inara Yermachenko, Armands Gritsans</i>	POSITIVE SOLUTIONS OF SECOND-ORDER BOUNDARY VALUE PROBLEM WITH THREE PARAMETERS
12.45	<i>Anita Sondore</i>	PROBABILITY PROBLEMS WITH TWO PARAMETERS
13.00	<i>Polina Maluhina, Andrejs Bulanovs</i>	PRODUCTION OF PLANAR OPTICAL ELEMENTS BY OPTICAL LITHOGRAPHY
13.15	<i>Valdis Mizers, Vjaceslavs Gerbreders, Irena Mihailova, Marina Krasovska, Eriks Sledevskis Andrejs Bulanovs</i>	MATHEMATICAL MODELING AND THEORETICAL INSIGHTS INTO THE MECHANISMS OF ELECTROCHEMICAL SENSORS
13.30	<i>Jans Keviss, Marina Krasovska, Eriks Sledevskis, Vjaceslavs Gerbreders, Irena Mihailova, Valdis Mizers</i>	ENHANCING SALT STRESS TOLERANCE IN RYE WITH ZNO NANOPARTICLES: DETECTION OF H <sub>2</sub> O <sub>2</sub> AS AN OXIDATIVE STRESS BIOMARKER VIA NIO NANOSTRUCTURE-BASED ELECTROCHEMICAL SENSOR

**DARBA GRUPA / WORKGROUP:  
MĀKSLA UN MŪZIKA / ART AND MUSIC**

Ceturtdiena, 2024. gada 18. aprīlis / Thursday, April 18, 2024

Parādes ielā 1, 416. aud. / Parādes Street 1, Room 416

Plkst. 12.00 – 13.00

*Moderatore / Chair  
Dr. art. ZELTĪTE BARŠEVSKA*

12.00	<i>Ivanda Osīte, Zeltīte Barševska</i>	NARRATIVES IN LATVIAN CONTEMPORARY PAINTING
12.15	<i>Dāvis Greļevskis, Zeltīte Barševska</i>	THE IMPACT OF CONTEMPORARY ART IN TRADITIONAL CULTURE PROJECTS
12.30	<i>Evija Lagzdina</i>	MUSICALLY THEORETICAL ANALYSIS OF GILDA'S ARIA "TUTTE LE FESTE AL TEMPIO" FROM GIUSEPPE VERDI'S OPERA "RIGOLETTO"
12.45	<i>Silvija Ozola</i>	MEDIEVAL AGGLOMERATIONS IN CITIES FOUNDED BY THE TEUTONIC ORDER



DARBA GRUPA / WORKGROUP:  
**VESELĪBAS APRŪPES ZINĀTNE I / HEALTH CARE SCIENCE I**  
 Ceturtdiena, 2024. gada 18. aprīlis / Thursday, April 18, 2024  
 Parādes ielā 1, 115. aud. / Parādes Street 1, Room 115  
 Plkst. 12.00 – 15.30

*Moderatore / Chair*  
 Mg. sc. sal. NATĀLIJA DEGTJARJOVA

12.00	<i>Beatrise Elizabete Gustsone, Māris Belte, Elīna Vilkārse</i>	PHOTOBIMODULATION THERAPY EFFECT ON REMISSION TIME IN HERPES RECURRENS
12.15	<i>Dženifera Kerubiņa- Ļesņevska, Dārta Geižāne</i>	REMOTE CONSULTATIONS – WHAT ARE THE WISHES AND NEEDS OF PATIENTS?
12.30	<i>Karļina Emīlija Melberga, Laura Bērziņa</i>	RELATION BETWEEN PATIENT ADHERENCE AND THE RESPECTIVE INHALER DEVICE IN INHALATION THERAPY. FIRST RESULTS OF THE STUDY: ANALYSIS OF THE PATIENT ADHERENCE USING THE MARS-5 METHOD
12.45	<i>Aušrelē Visockienē, Loreta Remeikienē</i>	EFFECT OF PHYSIOTHERAPY ON BALANCE, RISK OF FALLS AND COGNITIVE FUNCTIONS IN THE ELDERLY WITH DEMENTIA
13.00	<i>Elīna Cimbolīneca, Beate Raituma, Santa Maksimova, Dace Bogorada-Saukuma</i>	ACUTE SIDE EFFECTS AFTER INTENSITY-MODULATED RADIATION THERAPY FOR HEAD AND NECK CANCER
13.15	<i>Anastasija Koleda, Daria Medvedeva, Kristīne Fomina, Kristīne Baumanē</i>	ALTERATIONS IN PERIPAPILLARY MICROVASCULAR DENSITY AND VISUAL FIELD AMONG PATIENTS WITH OPTIC DISC DRUSEN
13.30	<i>Liene Salmiņa, Jūlija Ivanova, Marta Anna Ozoliņa, Kristīne Geldnere</i>	ANALYSIS OF THE ASSOCIATION BETWEEN BODY MASS INDEX AND LIPOHYPERTROPHY DEVELOPMENT IN PATIENTS WITH TYPE 1 DIABETES MELLITUS
13.45	<i>Ieva Marija Raice, Dzintra Kažoka</i>	ANATOMICAL VARIATIONS OF NASAL CHOANAE
14.00	<i>Ieva Viksna</i>	ANXIETY AND DEMOGRAPHIC DIFFERENCES AMONG WORKERS OF SPECIALIZED HOSPITAL IN RIGA, LATVIA
14.15	<i>Anna Dzerkale, Lauma Kalvāne</i>	ASSESSMENT OF CARDIOVASCULAR RISK IN GENERAL PRACTITIONERS IN LATVIA
14.30	<i>Laura Justīne Bajāre, Inta Zīle</i>	ASSOCIATION BETWEEN DEPRESSION AND ANXIETY SYMPTOMS AND LEVEL OF PERFECTIONISM AMONG MEDICAL FACULTY STUDENTS IN LATVIA
14.45	<i>Santa Sīle, Linda Zēģele</i>	ASSOCIATION BETWEEN LIPID LEVELS AND DEPRESSION IN GENERAL PRACTITIONER'S PRACTICE
15.00	<i>Līga Vāģele, Līga Careva, Jeļena Daniļenko</i>	ASSOCIATION BETWEEN VITAMIN D DEFICIENCY AND SUBCLINICAL HYPOTHYROIDISM IN GENERAL PRACTICES (GP)
15.15	<i>Margarita Loļāne, Ilze Tumšā, Ināra Laizāne</i>	BURNOUT IN LATVIA'S EMERGENCY MEDICAL SERVICE: A CAUSE FOR CONCERN

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

Ceturtdiena, 2024. gada 18. aprīlis / Thursday, April 18, 2024

Parādes ielā 1, 105. aud. / Parādes Street 1, Room 105

Plkst. 12.00 – 15.30

*Moderatore / Chair*

*Ph. D. EVITA GRĀVELE*

12.00	<i>Kārlis Meirāns, Andrejs Simonovs, Oļesja Basina, Anita Lapiņa</i>	COMPLEX BILIARY STONES: A 10 YEAR TERTIARY CENTRE EXPERIENCE OF ENDOSCOPIC TECHNIQUES AND POST-ERCP COMPLICATIONS
12.15	<i>Kristīne Lapšova, Ilze Konrāde, Inga Orleāne</i>	DECREASE OF SERUM GLUCOSE AND TREATMENT COMPLICATIONS IN THE FIRST 24 HOURS OF DIABETIC KETOACIDOSIS MANAGEMENT
12.30	<i>Ligita Gukauskienė, Justina Levkovič</i>	WOMEN'S KNOWLEDGE ABOUT EARLY BREAST CANCER AND ITS PREVENTION IN LITHUANIA
12.45	<i>Ilze Tumšā, Margarita Loļāne, Ināra Laizāne</i>	ISOTRETINOIN AND MENTAL HEALTH IN LATVIAN USERS
13.00	<i>Lilīta Beķere, Indra Zeltiņa</i>	ELDERLY HIV DIAGNOSIS: BREAKING THE AGE BARRIER
13.15	<i>Ilze Tumšā, Margarita Loļāne, Ināra Laizāne</i>	EMS BURNOUT IN LATVIA: IDENTIFYING CONTRIBUTING FACTORS
13.30	<i>Dina Zaiceva, Sigita Hasnere</i>	EVALUATION OF PROGRESSION-FREE SURVIVAL IN PATIENTS WITH METASTATIC BOWEL CANCER AFTER FIRST-LINE SYSTEMIC THERAPY AT PAULS STRADIŅŠ CLINICAL UNIVERSITY HOSPITAL FROM 2018 TO 2023
13.45	<i>Alīna Kuprjašova, Elīna Aleksejeva, Madara Auzenbaha, Linda Gailīte, Sabine Laktiņa</i>	FACTORS AFFECTING NEWBORN SCREENING FOR CYSTIC FIBROSIS
14.00	<i>Viktorija Fokina, Samanta Reine, Kirills Fokins</i>	FREQUENCY OF POST-SURGICAL COMPLICATIONS IN PANCREATIC CANCER PATIENTS
14.15	<i>Jūlija Ivanova, Renārs Deksnis</i>	FUNCTIONAL ASSESSMENT OF PATIENTS AFTER TOTAL OR PARTIAL GLOSSECTOMY WITH RECONSTRUCTIVE SURGERY USING MICROVASCULAR TRANSPLANTATION
14.30	<i>Maksims Trišins, Nauris Zdanovskis</i>	GREY MATTER VOLUME OF THE ENTORHINAL CORTEX AS A DIAGNOSTIC BIOMARKER FOR COGNITIVE IMPAIRMENT
14.45	<i>Anna Stašulāne</i>	RECENT ADVANCES IN LABORATORY DIAGNOSTICS: EMERGING CARDIAC BIOMARKERS ASSOCIATED WITH CORONARY ARTERY DISEASE
15.00	<i>Dora Rimkus, Sigita Hasnere, Evija Anna Nusberga, Mārtiņš Gerke, Elīza Meistere</i>	INCIDENCE OF BRCA-POSITIVE GENE MUTATIONS IN OVARIAN CANCER PATIENTS AT PAULS STRADIŅŠ CLINICAL UNIVERSITY HOSPITAL FROM 2017 UNTIL 2022
15.15	<i>Jūlija Ivanova, Liene Salmiņa, Marta Anna Ozoliņa, Renārs Deksnis</i>	PSYCHO-EMOTIONAL ASSESSMENT OF PATIENTS AFTER TOTAL OR PARTIAL GLOSSECTOMY WITH RECONSTRUCTIVE SURGERY USING MICROVASCULAR TRANSPLANTATION

# 2024. GADA 19. APRĪLIS / APRIL 19, 2024

DARBA GRUPA / WORKGROUP:

**ĶĪMIJA / CHEMISTRY**

Piektdiena, 2024. gada 19. aprīlis / Friday, April 19, 2024

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

Plkst. 12.30 – 15.15

*Moderators / Chair*

*Dr. chem. ARTŪRS ZARIŅŠ*

12.30	<i>Andrejs Grigorjevs, Jeļena Kirilova</i>	ELECTROCHEMICAL REACTION OF ANTHRAQUINONE AND 1-AMINOANTHRAQUINONE WITH ARYLHYDRAZINES
12.45	<i>Armands Maļeckis, Jeļena Kirilova</i>	ADVANCEMENTS IN FLUORESCENT A-AMINOPHOSPHONATES
13.00	<i>Jeļizaveta Širokova, Natalja Škute</i>	ALTERATIONS IN THE PHYSICAL PROPERTIES OF DNA UPON INTERACTION WITH FLUORESCENT COMPOUNDS
13.15	<i>Alise Kirilova, Marina Savicka, Tatjana Grigorjeva</i>	APPLICATION OF TURBIDIMETRIC ANALYSIS TO ASSESS TOXICITY
13.30	<i>Irina Bezručenko, Sergejs Osipovs, Jeļena Kirilova</i>	PRESENCE OF IMPURITIES IN MENTHA PIPERITA (PEPPERMINT) LEAF WATERS PRODUCED IN LATVIA
13.45	<i>Sergejs Osipovs, Aleksandrs Pučkins</i>	INNOVATIVE METHODS OF BIOGAS PRODUCTION USING RESIDUES FROM FISH PROCESSING AND AQUACULTURE
14.00	<i>Aleksandrs Pučkins, Sergejs Osipovs</i>	PREPARATION OF MANGANESE DIOXIDE CATALYST ON SILICA GEL SURFACE
14.15	<i>Romualds Rādiševskis, Sergejs Osipovs, Dainis Lazdāns</i>	DETERMINATION OF PHARMACEUTICAL CONTAMINATION IN THE SURFACE WATERS OF THE DAUGAVA RIVER WITHIN THE AUGŠDAUGAVA MUNICIPALITY TERRITORY
14.30	<i>Mantas Meiliūnas, Aleksandrs Pučkins, Dainis Lazdāns, Sergejs Osipovs</i>	DEVELOPMENT OF AN ANALYTICAL METHOD FOR THE DETERMINATION OF POLLUTANTS IN INDUSTRIAL WATER USED FOR COOLING OF PYROLYTIC GASES IN THE PYROLYSIS PROCESS OF SOLID WASTE
14.45	<i>Jevoņijs Dubovskis, Sergejs Osipovs, Mihails Pupiņš</i>	EVALUATION OF THE EFFICIENCY AND UTILIZATION POTENTIAL OF BIOGAS PRODUCED FROM ALGAE
15.00	<i>Vladimirs Gusarovs, Aleksandrs Pučkins, Valdis Mizers</i>	OPTIMIZATION OF THE METHOD FOR REDUCING TAR CONCENTRATIONS IN THE PRODUCTS OBTAINED IN THE PYROLYSIS PROCESS OF SOLID WASTE

DOKTORANTU SEKCIJA / DOCTORAL STUDENTS SECTION:

**VALODU UN LITERATŪRAS STUDIJAS UN FILOLOĢIJA / LANGUAGE AND LITERATURE STUDIES AND PHILOLOGY**

Piektdiena, 2024. gada 19. aprīlis / Friday, April 19, 2024

Parādes ielā 1, 115. aud. / Parādes Street 1, Room 115

Plkst. 9.30 – 11.30

*Moderatore / Chair*

*Dr. philol. ELĪNA VASIĻJEVA*

9.30	<i>Agnese Cera</i>	MULTIMODALITĀTE UN MULTIMODĀLA DZIESMA LATVIEŠU VALODAS KĀ SVEŠVALODAS MĀCĪBU PROCESĀ: TEORĒTISKIE UN PRAKTISKIE ASPEKTI
9.50	<i>Amanda Sparāne</i>	WAYS OF (NOT) SEEING IN "THE OLD DRIFT" BY NAMWALI SERPELL
10.10	<i>Līga Struka</i>	TĒLPAS KATEGORIJA ANDRAS MANFELDES TĒLOJUMĀ „ZEMNĪCAS BĒRNI”
10.30	<i>Valerii Kremenchutskiy</i>	IVAN YEFREMOV'S PERSONALITY IN CONTEXT OF HIS LITERARY ACTIVITY
10.50	<i>Aļona Dolinda</i>	«ЧАПАЕВ И ПУСТОТА»: ТЕКСТ И ЭКРАНИЗАЦИЯ
11.10	<i>Jekaterina Gusakova</i>	ИСТОРИЧЕСКАЯ ТРАВМА В РОМАНЕ «АППЕНДИКС» АЛЕКСАНДРЫ ПЕТРОВОЙ

DARBA GRUPA / WORKGROUP:  
**VIDES ZINĀTNE / ENVIRONMENTAL SCIENCE**

Piektdiena, 2024. gada 19. aprīlis / Friday, April 19,  
Parādes ielā 1, 230. aud. / Parādes Street 1, Room 230  
Plkst. 10.00 – 14.30

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

10.00	<i>Juris Soms, Aleksandrs Pučkins, Sergejs Osipovs</i>	EVALUATION OF GEOCHEMICAL CHARACTERISTICS OF AEOLIAN DEPOSITS IN THE AUGŠDAUGAVA SPILLWAY VALLEY USING XRF ANALYSIS
10.15	<i>Ignacy Kitowski</i>	BIOMONITORING OF HEAVY METALS, METALLOIDS AND PESTICIDES WITH THE COMMON BUZZARD (BUTEO BUTEO) FROM EAST POLAND
10.30	<i>Ineta Kruļeva</i>	AIR QUALITY ASSESSMENT IN THE STATE CITY OF DAUGAVPILS USING THE LICHENOINDICATION METHOD
10.45	<i>Jekaterina Goršentova</i>	DRINKING WATER QUALITY ANALYSIS IN VIDUSPOGUĻANKA
11.00	<i>Kirils Sidorovs</i>	THE COMPOSITION, QUALITY, TROPHIC LEVEL OF THE WATER OF THE LAKE MAZAIS KLUSAIS AND THE FACTORS INFLUENCING THEM
11.15	<i>Māris Liepiņš</i>	COMPARISON OF FISH COMMUNITIES IN ALŪKSNE RIVER BEFORE AND AFTER DAM REMOVAL
11.45	<i>Jana Paidere, Aija Brakovska, Marina Savicka, Aleksandrs Pučkins, Sergejs Osipovs, Dāvis Gruberts</i>	ENERGY RESERVES OF AMPHIPODS GAMMARUS VARSOVIENSIS IN THE COURSE OF THE DAUGAVA RIVER
<b>12.00 – 12.30 KAFIJAS PAUZE</b>		
12.30	<i>Sandra Stankeviča</i>	ANALYSIS OF PROBLEMATIC WASTEWATER TREATMENT EQUIPMENT DATA AND CREATION OF A GIS DATABASE
12.45	<i>Marvin D. Batican, Charlotte Ghem A. De Paz, Ric Beryl B. Diola, Sheryl Anne B. Jamero, Jason Ben R. Paragamac</i>	SPATIOTEMPORAL ANALYSIS ON GREEN SPACES OF URBAN BARANGAYS IN DAVAO CITY USING NORMALIZED DIFFERENCE VEGETATION INDEX (NDVI)
13.00	<i>Diāna Mariņičeva, Juris Soms</i>	GIS-BASED MULTICRITERIA ASSESSMENT OF GEOHAZARD FACTORS FOR THE DEVELOPMENT OF CIVIL SAFETY MEASURES IN THE AUGŠDAUGAVA MUNICIPALITY
13.15	<i>Uldis Egle, Juris Soms</i>	SURVEY AND GIS ANALYSIS OF THE CĒSU PALACE POND BOTTOM SEDIMENT THICKNESS AND DISTRIBUTION FOR ECOLOGICAL RESTORATION OF URBAN WATERBODY
13.30	<i>Armands Vagals, Juris Soms, Māris Nitcis</i>	THE ANALYSIS OF SPATIOTEMPORAL CHANGES IN FOREST COVER USING SATELLITE IMAGES AND GOOGLE EARTH ENGINE CLOUD COMPUTING PLATFORM: A CASE STUDY OF KOMBUĻI PARISH, LATVIA
13.45	<i>Dāvis Gruberts, Ilmārs Luksts</i>	XVII DU DRIFT EXPEDITION IN THE DAUGAVPILS-JĒKABPILS SECTION OF THE DAUGAVA RIVER
14.00		<b>FINAL DISCUSSION</b>

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

Piektdiena, 2024. gada 19. aprīlis / Friday, April 19, 2024

Parādes ielā 1, 101. aud. / Parādes Street 1, Room 101

Plkst. 10.00 – 14.30

*Moderatore / Chair*

*Dr. biol. LĪGA ANTOŅEVIČA*

10.00	<i>Arnita Papenoka</i>	PERTUSSIS VACCINATION DURING PREGNANCY. DIFFERENCE BETWEEN VACCINATION RATES IN RIGA AND REGIONS OF LATVIA
10.15	<i>Dmitrijs Kovaļs, Ivans Oļeičenko, Alekseju Višņakovu</i>	ALCOHOL INTOXICATION INDUCED RESPIRATORY FAILURE AND ITS ASSOCIATION WITH THE RASS SCALE EVALUATION IN THE PREHOSPITAL STAGE
10.30	<i>Dagnija Šteina, Ilze Apine</i>	INFLUENCE OF THE LENGTH OF THE SCANNING AREA ON THE RADIATION DOSE RECEIVED BY THE PATIENT IN COMPUTED TOMOGRAPHY AND THE RISK OF CARCINOGENESIS IN PEDIATRIC PATIENTS
10.45	<i>Rūdolfs Ļaksa</i>	ACUTE MESENTERIC VASCULAR DISEASE: RETROSPECTIVE ANALYSIS OF CLINICAL PRESENTATION, DIAGNOSTIC FINDINGS, AND THE IMPACT OF THERAPY ON DISEASE OUTCOME
11.00	<i>Marta Anna Ozoliņa, Daniels Zilbermans, Igoris Bobrovs</i>	THE TACTICS OF THE STATE EMERGENCY MEDICAL SERVICE TEAM IN THE CASE OF WIDE COMPLEX QRS TACHYCARDIA WITH A PULSE
11.15	<i>Agnija Garanča</i>	LATVIAN EMERGENCY MEDICAL SERVICES EMPLOYEE PREPAREDNESS FOR THE IMPLEMENTATION AND USE OF ULTRASONOGRAPHY IN PRECLINICAL STAGE OF PATIENT CARE
11.30	<i>Renāte Skaistkalne</i>	MAXILLARY EXPANSION IN INTERCEPTIVE THERAPY
11.45	<i>Darja Portnova- Zilbermane, Samanta Reine, Viktorija Fokina, Daniels Zilbermans, Kirills Fokins</i>	MORTALITY RATE IN POST-SURGICAL PANCREATIC CANCER PATIENTS
<b>12.00 – 12.30 KAFIJAS PAUZE</b>		
12.30	<i>Rita Pozharska, Evita Leikarte, Kristine Baumanne, Anatolijs Požarskis</i>	OCULAR TUBERCULOSIS IN A YOUNG PATIENT WITH ACUTE VISUAL IMPAIRMENT
12.45	<i>Armands Rimšāns, Sigita Hasnere, Ilja Degtjarjovs, Rebeka Dragūne</i>	ONCOMARKER CORRELATION WITH SITES OF TUMOUR METASTASIS
13.00	<i>Alīna Verba-Solomaha, Gunta Tīcmane</i>	PATIENTS WITH DIABETES IN A FAMILY DOCTOR'S PRACTICE – THE USE OF THE NEWEST GENERATION MEDICATIONS, ITS RESULTS
13.15	<i>Arta Ārsmeniece, Linda Jurginauska, Valērija Kopanceva</i>	PERCENTAGE FREQUENCY OF ALK, EGFR, AND PD-L1 EXPRESSION AMONG PATIENTS WITH NON-SMALL CELL LUNG CANCER STAGE III-IV: A SINGLE-CENTER EXPERIENCE IN 2022
13.30	<i>Marta Anna Ozoliņa, Liene Salmiņa, Dzintra Jakubaņeca</i>	POSSIBLE COMPLICATIONS OF ACUTE CORONARY SYNDROME WITH ST AND WITHOUT ST SEGMENT ELEVATIONS IN THE EMERGENCY MEDICAL SERVICE PHASE
13.45	<i>Alise Mirāza Jēgere, Mihails Žuravļovs, Andis Užāns</i>	PREVALENCE OF BORDERLINE PERSONALITY DISORDER AND GENDER IDENTITY/GENDER DYSPHORIA AMONG LGBTQ+ PERSONS IN LATVIA
14.00	<i>Maija Ločmele</i>	PREVALENCE OF BURNOUT SYNDROME AND ITS ASSOCIATION WITH ADVERSE CHILDHOOD EXPERIENCES AMONG MEDICAL STUDENTS
14.15	<i>Jelizaveta Antonika, Margarita Pukite, Olga Glushchenko, Oksana Slobodjana</i>	INFLUENCE OF BMI ON THE DEVELOPMENT OF HYPERTENSION DURING PREGNANCY

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

Piektdiena, 2024. gada 19. aprīlis / Friday, April 19, 2024

Parādes ielā 1, 105. aud. / Parādes Street 1, Room 105

Plkst. 10.00 – 14.30

*Moderatore / Chair*

**Ph. D. EVITA GRĀVELE**

10.00	<i>Arta Ungure-Pastare, Sandra Lejniece</i>	TREATMENT-FREE REMISSION FOR CHRONIC MYELOID LEUKEMIA PATIENTS AT "LATVIAN ONCOLOGY CENTER" FROM 01.01.2000. TILL 01.01.2023.
10.15	<i>Natālija Tkačenko, Maija Gureviča</i>	USAGE AND KNOWLEDGE OF VITAMIN D IN POPULATION OF LATVIA
10.30	<i>Aleksejs Kokorevičs, Gunta Ozola</i>	USE OF ANTIBIOTICS AT THE GENERAL PRACTICE
10.45	<i>Sanda Putniņa, Aleksejs Zavorins</i>	SYSTEMIC TREATMENT OF PSORIASIS IN LATVIA: SURVEY OF DERMATOLOGISTS AND DERMATOLOGY RESIDENTS
11.00	<i>Anna Kodinceva, Sarmīte Skaida</i>	THE LEVEL OF KNOWLEDGE AMONG THE PATIENTS OF THE ADDICTION DEPARTMENT OF RIGA PSYCHIATRY AND ADDICTION MEDICINE CENTRE ABOUT ALCOHOL USE DISORDER, ADDICTION, THEIR CONSEQUENCES AND TREATMENT OPTIONS
11.15	<i>Alīse Maksimova- Agafonova, Alina Kuzņecova, Māris Taube</i>	THE LIKELIHOOD OF BIPOLAR SPECTRUM DISORDERS IN PATIENTS WITH INITIALLY DIAGNOSED ATYPICAL AND TYPICAL DEPRESSION
11.30	<i>Evita Kokina, Androniks Mitildzans</i>	REFERRAL TO TREATMENT PERIOD DEPENDING ON THE RADIOLOGIC STAGING METHODS USED IN CANCER PATIENTS IN THE GYNECOLOGIC ONCOLOGY DEPARTMENT OF LATVIAN ONCOLOGY CENTRE
11.45	<i>Arta Patrīcija Pētersone</i>	GYNAECOLOGISTS' PRACTICE IN THE CARE OF PATIENTS WITH PERIMENOPAUSAL AND POSTMENOPAUSAL BLEEDING IN LATVIA

**12.00 – 12.30 KAFIJAS PAUZE**

12.30	<i>Katrīna Truksne</i>	THE ROLE OF FAMILY ONCOLOGICAL ANAMNESIS IN DETERMINING BRCA1/2 GENE MUTATION STATUS
12.45	<i>Katrīna Truksne</i>	KNOWLEDGE ABOUT PREMENSTRUAL SYNDROME AND ITS TREATMENT OPTIONS AMONG LATVIAN OBSTETRICIANS AND GYNAECOLOGISTS
13.00	<i>Dāvis Edgars Liepa, Marta Jasa, Sandra Samoiloņa</i>	RELATIONSHIP BETWEEN ANXIETY AND UNDERSTANDING EMOTIONS IN STUDENT POPULATION
13.15	<i>Jekaterīna Klevere</i>	RETENTION AFTER ORTHODONTIC TREATMENT: LITERATURE REVIEW
13.30	<i>Samanta Reine, Viktorija Fokina, Kirills Fokins</i>	SURVIVAL OUTCOMES IN PANCREATIC CANCER PATIENTS BASED ON TUMOR STAGE
13.45	<i>Madara Kiseļova, Līga Kozlovska</i>	PSYCHO-EMOTIONAL DISORDERS IN PATIENTS AFTER COVID-19 INFECTION
14.00	<i>Ineta Krūmiņa, Sigita Hasnere, Krista Elīza Cekule</i>	RATIO OF TOTAL AND PARTIAL PRIMARY BRAIN TUMOR RESECTION BASED ON MR DATA AT PAULS STRADIŅŠ CLINICAL UNIVERSITY HOSPITAL IN 2023
14.15	<i>Vladislavs Kvelde, Egils Vjaters</i>	ASSOCIATION OF LYMPHADENECTOMY DURING LAPAROSCOPIC RADICAL PROSTATECTOMY ON THE VOLUME OF INTRAOPERATIVE BLOOD LOSS AND DURATION OF HOSPITALIZATION

**DARBA GRUPA / WORKGROUP:  
IZGLĪTĪBAS ZINĀTNES / EDUCATIONAL SCIENCES**  
Piektdiena, 2024. gada 19. aprīlis / Friday, April 19, 2024  
Parādes ielā 1, 201. aud. / Parādes Street 1, Room 201  
Plkst. 10.00 – 13.00

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

10.00	<i>Jūlija Šķestere, Ilze Šenberga, Eridiana Oļehnoviča</i>	DEVELOPING STUDENTS' CRITICAL THINKING SKILLS IN THE "SOCIAL SCIENCES AND HISTORY" SUBJECT, GRADE 5
10.15	<i>Darja Komlačeva, Sandra Zariņa, Mārīte Kravale- Pauliņa</i>	EVALUATION OF LEARNING ACHIEVEMENTS OF 7 <sup>TH</sup> GRADE STUDENTS IN LATVIAN LANGUAGE LESSONS WITHIN THE FRAMEWORK OF LEARNING THE TOPIC "PARTICIPLE"
10.30	<i>Dina Silova, Ilona Fjodorova</i>	MANIFESTATION AND IMPROVEMENT OF GRAPHIC AND GRAMMATICAL INTERFERENCE: A CASE STUDY OF FORM 9 STUDENTS' WRITING TASKS OF TRIAL EXAM IN ENGLISH
10.45	<i>Vija Kovaļkova</i>	READING PROMOTION ACTIVITIES FOR PRIMARY SCHOOL STUDENTS
11.00	<i>Mareks Briška, Andris Vagalis, Eridiana Oļehnoviča</i>	STRATEGIES FOR IMPROVING STUDENTS' IDEA GENERATION SKILLS IN THE SUBJECT OF STUDY "DESIGN AND TECHNOLOGIES" IN THE 9TH GRADE
11.15	<i>Juris Miņins, Eridiana Oļehnoviča, Andris Vagalis</i>	THE USE OF ARTIFICIAL INTELLIGENCE TECHNOLOGIES FOR INDIVIDUALIZING LEARNING IN COMPUTER SCIENCE CLASSES IN 9TH GRADE
11.30	<i>Endija Vāvere, Ilona Fjodorova</i>	THE USE OF DIVERSE TEXTS IN ENGLISH TO DEVELOP READING COMPREHENSION SKILLS OF 8TH GRADE STUDENTS
11.45	<i>Anastasija Šablinska, Ilona Fjodorova</i>	USE OF GAMIFICATION IN VOCABULARY DEVELOPMENT IN FORM 5 EFL LESSONS WITHIN ONE THEMATIC BLOC
<b>12.00 – 12.30 KAFIJAS PAUZE</b>		
12.30	<i>Jeļena Maksimova, Andris Vagalis, Eridiana Oļehnoviča</i>	USING DIFFERENTIATED TASKS FOR LEARNING VISUAL PROGRAMMING SKILLS OF 4TH GRADE PUPILS
12.45	<i>Inese Grīnvalde, Aija Virse, Mārīte Kravale- Pauliņa</i>	NODARBĪBAS AR SILTAJIEM GRAUDIEM STRESA MAZINĀŠANAI UN EMOCIONĀLĀ LĪDZSVARA NOTURĪBAI

## **Layout of Manuscripts for the collection “Proceedings of the 66<sup>th</sup> international scientific conference of Daugavpils University”**

“Proceedings of the 66<sup>th</sup> international scientific conference of Daugavpils University” publishes original papers, based on the presentations at the international conference, 18–19 April, 2024. 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.

**Language.** All submitted articles need to be written in English (Latvian, Russian, German, Spanish, French, Polish, Lithuanian, Swedish – in the corresponding linguistic work groups of the humanities).

### **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);
  - all the sources referred to in the text must be included in the References in the alphabetical order, by the author’s (authors’) surname(s) or by the title (font size – 12; line spacing – 1).
- An electronic version of the article must be provided to the editor by e-mail ([konference@dukonference.lv](mailto:konference@dukonference.lv)) until **May 31, 2024**.

**!** In order to maintain the high standards, all contributions received are submitted for review by members of the editorial board who will consider the following parameters:

- 1) novelty of the theme and scientific level of manuscript;
- 2) style and compliance of key words and summary with the content of manuscript;
- 3) compliance with conventions for publication.



# IMPROVEMENT OF QUALITATIVE RURAL LIVING ENVIRONMENT IN LATVIA IN LEADER PROGRAM FRAMES

**Inga Kurse**

Daugavpils University, Parādes street 1, Daugavpils, Latvia, LV-5401, [in\\_ku@inbox.lv](mailto:in_ku@inbox.lv)

## 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 80<sup>th</sup> 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 pamatterminu skaidrojošā vārdnīca*. Rīga: LU Latviešu valodas institūts, Valsts valodas aģentūra.
- Soms H. 2009. *Vēstures informātika: saturs, struktūra un datubāze "Latgales dati"*. <http://www.du.lv/LD/LDpublik.html> [skatīts 10.02.2009].
- Шмит К. 1992. Понятие политического. *Вопросы социологии*, № 1, с. 37–67.