

LATVIA UNIVERSITY OF LIFE SCIENCES AND TECHNOLOGIES
LATVIJAS LAUKSAIMNIECĪBAS UNIVERSITĀTE



ANNUAL 24th INTERNATIONAL SCIENTIFIC CONFERENCE
IKGADĒJĀ 24. STARPTAUTISKĀ ZINĀTNISKĀ KONFERENCE

Jelgava, Latvia, 16 - 18 May, 2018
Jelgava, Latvija, 16. -18. maijs, 2018

The Annual 24th International Scientific Conference “Research for Rural Development 2018” will be special and dedicated to the **Latvia a 100 years** since became an independent state, **155th Anniversary** of Latvia University of Life Sciences and Technologies (LLU) and **280th Anniversary** of Jelgava palace, where is located the main building of university.

Regulations **Presentations – 10 minutes**
 Discussions – 5 minutes
Language **English**

Wednesday, 16 May

9:00 – 10:00 **Registration of Participants,**
 Main building of LLU
 Bioeconomy and Sustainable Resource Management Center

Wednesday, 16 May/ parallel sessions, Silver hall

10.00 **Food Science**
 Main building of LLU, Silver hall
 Chairman Reinis Zarins and Avo Karus

Avo Karus, Estonian University of Life Sciences

Food Research Opportunities and Challenges: Methods in Food Safety and Functional Food Development

Marika Liepa, Latvia University of Life Sciences and Technologies

Effect of High Pressure on Survival and Growth of Pathogens in UHT Whole Milk

Elmira Zhaxybayeva, Almaty Technological University, Kazakhstan

Research of Products from Dairy Products for Gerodietetic Nutrition

Reinis Zarins, Latvia University of Life Sciences and Technologies

Changes of Biologically Active Compounds in Purple-fleshed Variety Blue Congo Potatoes during Storage under Light

Svetlana Vasilyeva, University of Latvia

Accumulation of Cadmium in Tissues Disturbs the Functionality in Immunocompetent Organs in Chickens

Sanita Sazonova, Latvia University of Life Sciences and Technologies

High Pressure Effects on the Pork Texture Attributes

Jekaterina Dorozko, Latvia University of Life Sciences and Technologies
Edible Flowers in Baltic Region: a Review of the Nutritional, Antioxidant, Antimicrobial Properties
Inga Šarenkova, Latvia University of Life Sciences and Technologies
Review: The Current Status and Future Perspectives of Lactobionic Acid Production
Ilze Laukaleja, Latvia University of Life Sciences and Technologies
Quality of Specialty Coffee: Balance between Volatile and Biologically Active Compound Composition
Daiga Konrāde, Latvia University of Life Sciences and Technologies
Improvement of Rye and Oat Crispbreads with Biologically Active Substances from Plant by Products

Veterinary Medicine

Main building of LLU, Silver hall

Chairpersons **Guna Ringa-Karahona** and **Armands Vekšins**

Armands Vekšins, Latvia University of Life Sciences and Technologies
Biceps Brachii Muscle Insertion Point to Medial Coronoid Process in Dogs
Guna Ringa-Karahona, Latvia University of Life Sciences and Technologies
Coxiella Burnetii DNA in Milk and Phase-Specific Serological Response Related by Age in Dairy Cows
Sabīne Eglīte, Latvia University of Life Sciences and Technologies
The Influence of Innovative Fodder Resources on the Poultry Digestive Tract and the Organism as a Whole
Nadezhda Kazachkova, Federal Research Centre of Biological Systems and Agro-technologies of the Russian Academy of Sciences
Effect of Combined Action of Extract Quercus Cortex and Probiotic Substances on Immunity of Broiler
Duskaev Galimzhan, Federal Research Centre of Biological Systems and Agro-technologies of the Russian Academy of Sciences
The Effect of Quercus Cortex Extract on the Microbial Population of Cattle Rumen
Sintija Jonova, Latvia University of Life Sciences and Technologies
The Impact of Inulin on Production of Methane, Carbon Dioxide and Gastrointestinal Canal Functionality
Ainur Nurpeisova, Kazakh National Agrarian University, Kazakhstan
Immunogenic and Protective Properties of the First Kazakhstan Vaccine against Pandemic Influenza A (H1N1) pdm09 in Mouse
Ignacy Kitowski, State School of Higher Education in Chelm, Poland
Do Fertilizers Treaten Birds in the Agricultural Landscape of East Poland?
Alexandr Spesivtsev, A.F. Mozhaisky Military Space Engineering Academy, Russia
Spatial Visualization Efficiency of Antibiotic Resistance of Salmonella Strains
Kasim Laishev, All-Russian Research Institute, Russia
Ways to Increase Efficiency of Reproduction in Northern Reindeer Husbandry

Wednesday, 16 May/ parallel session, Main building of LLU,
Bioeconomy and Sustainable Resource Management Center

10.00 Agricultural Sciences

Main building of LLU,

Bioeconomy and Sustainable Resource Management Center

Chairpersons **Malgorzata Szczepanek** and **Līga Feodorova-Fedotova**

Ieva Rūrāne, University of Latvia, Institute of Biology
Barbarea Arcuata as Potentially Expansive Species in Agricultural Landscapes in Latvia
Alexander Ilves, Leningrad Scientific Research Institute of Agriculture “Belogorka”, Russia
Criteria for Assessing the Quality of Arable Land in Optimizing Land Use

Adam Kleofas Berbec, Institute of Soil Science and Plant Cultivation, Poland
Biodiversity of Weeds and Soil Seed Bank in Organic and Conventional Farming Systems

Madara Darguža, Latvia University of Life Sciences and Technologies
Productivity of Crop Rotation Measured as Energy Produced by Included Plants

Roman Kuryltsiv, Lviv National Agrarian University, Ukraine
The Influence of Rural Development Programmes on Agricultural Land Use in Ukraine

Boguslava Jaskiewicz, Institute of Soil Science and Plant Cultivation, Poland
Amino Acids Content in Triticale Grain Depending on Meteorological, Agrotechnical and Genetic Factors

Marta Wyzinska, Institute of Soil Science and Plant Cultivation, Poland
The Influence of Autumn Sowing Term on the Productivity of Spring Wheat

Alicja Sulek, Institute of Soil Science and Plant Cultivation, Poland
The Influence of Production Technology on Yielding and Grain Quality of Spring Wheat Cultivars

Malgorzata Szczepanek, University of Science and Technology, Poland
Effect of Biostimulant Application in Cultivation of Spring Wheat

Jerzy Grabinski, Institute of Soil Science and Plant Cultivation, Poland
Effect of Super-absorbent Polymer Application on Yielding of Winter Wheat (*Triticum aestivum*)

Renata Kuśmierk-Tomaszewka, University of Sciences and Technology in Bydgoszcz, Poland
Temporal Variability of Drought in Cereals in the Region of Pomorze and Kujawy, Poland

Laura Paulovska, Latvia University of Life Sciences and Technologies
Oculimacula spp. Important Pathogen of Wheats – a Review

Radyukevich Tatyana, Leningrad Scientific Research Institute of Agriculture “Belogorka”, Russia
Promising Starting Material for Breeding on Economically Valuable Characteristics Varieties of Spring Barley in the North-West Zone of Russia

Lyubov Bondareva, Leningrad Scientific Research Institute of Agriculture “Belogorka”, Russia
Complex Stability of Promising Spring Barley Lines to Leaf Diseases and Climatic Conditions of the Leningrad Region

Līga Feodorova-Fedotova, Latvia University of Life Sciences and Technologies
Characterization of Yellow Rust (*Puccinia striiformis* West): Review

Ieva Plūduma-Pauniņa, Latvia University of Life Sciences and Technologies
Formation of Faba Bean Yield Depending on Variety, Sowing Rate and Disease Control

Anda Rutenberga-Ava, Latvia University of Life Sciences and Technologies
Development of Potato Black Dot (*Colletotrichum coccodes*) Depending on Variety

Stanislaw Rolbiecki, University of Sciences and Technology in Bydgoszcz, Poland
Variability of Water Needs and Rainfall deficits of mid-early potato in the region of Bydgoszcz, Central Poland

Jacek Źarski, University of Sciences and Technology in Bydgoszcz, Poland
Forecasting Production Effects of Irrigated Faba Bean Depending on Different Levels of Drought

Dace Piliksere, Latvia University of Life Sciences and Technologies
Agroecological Factors Affecting Arable Weed Flora

Stanislaw Dudek, University of Sciences and Technology in Bydgoszcz, Poland
Assessment of Water Needs and Scarcity of Grassy Surface in Rural Area, Downtown and Outskirts

Ieva Kalnina, Latvia University of Life Sciences and Technologies, Institute of Horticulture
Influence of Cultivar and Growing Conditions on Strawberry Yield Potential

Inta Jakobija, Latvia University of Life Sciences and Technologies, Latvian Plant Protection Centre
Incidence of Fruit Rot in Japanese quince (*Chaenomeles japonica*) Plantations in Latvia

Kristina Laužike, Lithuanian Research Centre of Agriculture and Forestry, Institute of Horticulture
Leaf Optical Properties Reflect Changes of Photosynthetic Indices in Apple Trees

Inga Staficka, Latvia University of Life Sciences and Technologies, Institute of Agricultural Resources and Economics
Susceptibility Growth Stages of *Linum usitatissimum* to Fungal Diseases in Variable Environment

Konstantin Korolev, Tyumen State University, Russia
Morphobiological Screening of Forms of *Linum usitatissimum* L., Obtained on the Use of Chemical Mutagenic Factors

Līga Jankevica, University of Latvia, Institute of Biology
Impact of Coniferous Bark Extract Formulations Used in Plant Protection on Soil Biological Activity

Lukas Simanavičius, Lithuanian Research Centre of Agriculture and Forestry, Institute of Horticulture
The Effects of LED Lighting on Nitrates and Ascorbic Acid in Tatsoi

Mikos-Szymanska Marzena, New Chemical Syntheses Institute, Poland
Effects of Different Fertilizer Treatments on Growth, Grain Yield and Yield Components of Spring Wheat

Linda Litke, Latvia University of Life Sciences and Technologies
Effect of Nitrogen Rate and Forecrop on Nitrogen Use Efficiency in Winter Wheat (*Triticum aestivum*)

Mantas Kačiušis, Lithuanian Research Centre of Agriculture and Forestry, Institute of Horticulture
The Effect of LED Lighting Dosage on Photosynthetic Indices in Tatsoi

Neringa Rasiukeviute, Lithuanian Research Centre of Agriculture and Forestry
The Impact of *Fusarium Graminearum* Infection on Different Plant Seeds

Irina Samsonova, Saint-Petersburg State Forest Technical University, Russia
Analysis of Honey Productivity of Robinia Plantations in Forest Vegetation Conditions of the Steppedon Region

Anna Veidemane, Latvia University of Life Sciences and Technologies
Analysis of Measurements of Latvian Warmblood and Latvian Heavy Warmblood Sires 2004-2017

Grzegorz Grzywaczewski, University of Life Sciences in Lublin, Poland
The Impact of Grazing on Birds in Central Europe

Valentina Filippova, Biotrof Ltd, Russia
The Comparative Analysis of the Russian Arctic Reindeer Nutrition of the Summer Feed Ration

Larisa Ilina, Biotrof Ltd, Russia
The Rumen Bacterial Community of Reindeer in Different Ages Periods from Russian Arctic Regions

Thursday, 17 May/ parallel session, Silver hall

9.00 Rural Engineering

Environmental Engineering and Landscape Architecture

Main building of LLU, Silver hall

Chairpersons **Kristīne Vugule** and **Kārlis Banis**

Kristīne Vugule, **Arturs Mengots**, Latvia University of Life Sciences and Technologies
Road Landscape Modelling

Daiva Tiškute-Memgaudiene, Aleksandras Stulginskis University, Lithuania
Changes of Forest Cover and Spatial Structure in Urban Landscape: a Review Study

Petras Grecevičius, Klaipeda University, Lithuania
Trends in the Formation of Cultural Landscapes in the Recreational Territorial System of the Southeast Baltic Sea Region

Dace Ržepicka, **Aija Ziemeļniece**, Latvia University of Life Sciences and Technologies
Industrial Heritage Landscape at the Coast of the Baltic Sea in the Ventpils Region

Giedre Ivavičiute, Aleksandras Stulginskis University, Klaipeda State University of Applied Sciences, Lithuania
The Change of Forest and Their Area in Lithuania

Vita Cintīņa, Latvia University of Life Sciences and Technologies
Analysis of Influencing Factors of Use of Agricultural Land

Sabina Angrecka, University of Agriculture in Krakow, Poland
Development of Microclimate Conditions in Two Neighboring Barns during Winter

Juris Burlakovs, Linnaeus University, Sweden
Phytoremediation as Tool for Prevention of Contaminant Flow to Hydrological Systems

Ilona Reķe, Latvia University of Life Sciences and Technologies
Impact of Fennoscandian Factor on Geodesy in the Baltic

Kārlis Banis, Latvia University of Life Sciences and Technologies
CFD Pressure Wave and Flow Rate Analysis of Intake Runner Design in IC Engine
Aldis Pecka, Latvia University of Life Sciences and Technologies
Conceptual Design of Modular Multi Functional Agricultural Mobile Robots
Arvids Jakusenoks, Latvia University of Life Sciences and Technologies
Comparative analysis of reactive energy regulations
Jānis Galiņš, Latvia University of Life Sciences and Technologies
Increasing cyclone efficiency by using a separator plate

Water Management

Main building of LLU, Silver hall

Stefanija Misevičiene, Aleksandras Stulginskis University, Lithuania
Concentration of Organic Matters in Water Streams in Manure Fertilized Fields
Ieva Siksnāne, Latvia University of Life Sciences and Technologies
Analysis of Meteorological and Runoff Conditions at Agricultural Runoff Monitoring Sites
Jānis Kalniņš, Latvia University of Life Sciences and Technologies
Effectiveness of Sedimentation Ponds in Forest Drainage Systems in Heavy Rain Periods

Information and Communion Technologies

Main building of LLU, Silver hall

Monta Poļakova, Latvia University of Life Sciences and Technologies
Use of NoSQL Technology for Analysis of Unstructured spatial Data
Rūta Repoviene, Vytautas Magnus University, Lithuania
Content Marketing Decisions in Social Networks for Customer Value: "Ilzenberg Manor" Case
Mārtiņš Štāls, Latvia University of Life Sciences and Technologies
Development of Autonomous Trading Algorithms of Virtual Currencies
Ilze Kazaine, Latvia University of Life Sciences and Technologies
Procedure for the Control and Quality Assurance of E-learning Materials

Education

Main building of LLU, Silver hall

Chairpersons **Boriboon Gumpanat**

Boriboon Gumpanat, Srinakharinwirot University, Thailand
Development Guidelines for the Community Learning Centers in Thailand
Liāna Supe, Rīga Technical University, Latvia
Factors Affecting the Competitiveness of a Higher Education Institution
Daina Vinklere, Turība University, Latvia
Foreign Students as a Contributing Factor for Tourism in Latvia
Evita Korna-Opincāne, Latvia University of Life Sciences and Technologies
Topicality of Career Guidance at Schools for Promoting of Students' Professional Self-Determination
Jurgita Zaleckiene, Aleksandras Stulginskis University, Lithuania
Innovative Methods Approaches towards the Development of the Students' Entrepreneurial Competencies
Svetlana Tereshchenko, Saint-Petersburg State Forest Technical University named after S.M.Kirov, Russia
Innovative Teaching Methods in Teaching Entrepreneurship
Anna Vintere, Latvia University of Life Sciences and Technologies

A Constructivist Approach to the Teaching of Mathematics to Boost Competences Needed for Sustainable Development

**Thursday, 17 May/ parallel session, Main building of LLU,
Bioeconomy and Sustainable Resource Management Center**

9.00 Economics

**Main building of LLU, Main building of LLU,
Bioeconomy and Sustainable Resource Management Center**
Chairpersons **Anna Novikova** and **Lāsma Līcīte**

Agnieszka Wojewodzka-Wiewiorska, Warsaw University of Life Sciences, Poland

RDP 2007-2013 as an Instrument for Diversification of the Rural Economy in Poland

Arkadiusz Malkowski, West Pomeranian University of Technology in Szczecin, Poland

Revitalization as a Tool of Managing the Development of Rural Areas

Daria Postnikova, Russian Timiryazev State Agrarian University

Methodological Approaches to Calculating Investment for Sustainable Development of Agriculture in Russia

Agnieszka Malkowska, University of Szczecin, Poland

54/5000 Export as a Factor of Development of Border Areas

Anastasija Novikova, Kaunas University of Technology

Analysis of Farming System Outputs and Methods of their Evaluation

Alina Syp, Institute of Soil Science and Plant Cultivation, Poland

Assessment of Farm Efficiency and Productivity: a Data Analysis Envelopment Approach

Barbara Wieliczko, Institute of Agricultural and Food Economics, Poland

Farms Operating in Areas with Natural Constraints in Poland

Rita Vilke, Lithuanian Institute of Agrarian Economics

Innovating Apart of Together: Lithuanian Farmers and Rural Communities

Svetlana Polovko, Latvia University of Life Sciences and Technologies

Legal Framework of Social Innovation in Latvia

Sergejs Gemma, Latvia University of Life Sciences and Technologies

Smart Specialization Development in Latvia

Tomasz Siudek, Warsaw University of Life Sciences, Poland

The Path of the EU Rural Areas Towards the Balanced Development

Mareks Rubins, Latvia University of Life Sciences and Technologies

Developments of Biogas Production in Latvia

Maira Leščevica, Vidzeme University of Applied Sciences, Latvia

Cooperation of Entrepreneurs, State Institutions, Universities and Latvian Diasporas: Modelling and Innovations

Lāsma Līcīte, Latvia University of Life Sciences and Technologies

Development of Different Forms of Social Enterprises in Latvia

Edmunds Jansons, Latvia University of Life Sciences and Technologies

Student Enrollment Forecasting Methods: a Socio-economic Perspective

Renata Luke, Aleksandras Stulginskis University, Lithuania

Manager Competencies in Logistics: Students Point of View

Ingūna Jurgelāne, Rīga Technical University, Latvia

Opportunities for Latvian Export of Medical Services

Iluta Bērziņa, Vidzeme University of Applied Sciences, Latvia

The New Technological Challenges for Assessment of Economic Significance of Tourism in Specific Regions of Latvia

Inese Biukšāne, Latvia University of Life Sciences and Technologies, Institute of Agricultural Resources and Economics, Rīga Technical University

The EU Financial Instruments Support on Investments of Fishery sector in Latvia

Irina Pilvere, Latvia University of Life Sciences and Technologies

Projecting Productivity in Agriculture in Latvia

Mihails Šilovs, Latvia University of Life Sciences and Technologies

Fish Processing By-Products Exploitation Possibilities and Technical Peculiarities of Innovative Fish-based Food Production

Nele Jurkenaite, Lithuanian Institute of Agrarian Economics

Vertical Price Transmission along the Potato Supply Chain in Lithuania

Svetlana Gribanova, Turība University, Latvia

Emplacement of Creative it Specialists in Latvia

Imants Lavins, University College of Economics and Culture, Latvia

Ethical Consumerism: a View from Latvia

Viktorija Grigaliūnaite, Vytautas Magnus University, Lithuania

The Assessment of Lithuanian Rural Homesteads' Websites Quality

Daiva Urmoniene, Inga Vidrevičiene, Aleksandras Stulginskis University, Lithuania

Innovative Implementation of Management Functions in the Public Sector

Jānis Zvirgzdiņš, Rīga Technical University, Latvia

Eco-economics in Cities and Rural Areas

Lina Pareigiene, Erika Ribasauskiene, Lithuanian Institute of Agrarian Economics

The Protection of Cultural Heritage in Lithuania

Maija Rozīte, Turība University, Latvia

Tourism Planning and Strategy Implementation: Practice in Municipalities of Latvia

Laila Kelmere, Latvia University of Life Sciences and Technologies

Company's Activities Termination by Tax Authority Decision (Simplified liquidation)

Inguna Leibus, Latvia University of Life Sciences and Technologies

Tax Relief as a Fiscal Instrument for Supporting Agriculture in Latvia

Bakre Olayemi, Durban University of Technology, South Africa

Transforming the European Migrant Crisis into Rural Developmental Opportunities – the Case of Latvia

Thursday, 17 May/ parallel session, Forest Faculty of LLU

10.00 Forestry and Wood Processing

Forest Faculty of LLU,

11 Akademijas Street, Jelgava, room 16

Chairman Āris Jansons

Renars Felcis, University of Latvia

Translation of Experience and Knowledge in Private Forest Owners' Networks

Raimonds Bermanis, Latvia University of Life Sciences and Technologies

Parameters of Forestry and Ownerships for Pre-commercial Thinnings, Accomplished in Private Forests During Period 2007-2017

Alexander Dobrovolsky, Saint-Petersburg State Forest Technical University, Russia

The Features of Lime Stands on Permanent Research Plots in Leningrad Region

Juris Katrevics, Latvia State Forest Research Institute "Silava"

Forest Inventory Parameters of Low-density Norway Spruce Plantations

Aldis Butlers, Latvia State Forest Research Institute "Silava"

Improved Activity Data for Accounting Greenhouse Gas Emissions Due to Management of Wetlands

Endijs Baders, Latvia State Forest Research Institute "Silava"

Recent Land Cover Changes in Latvia

Antons Seleznovs, Latvia University of Life Sciences and Technologies
Use of the LiDAR Combined Forest Inventory in the Estimation of Felling Site Stocks

Agris Zimelis, Latvia State Forest Research Institute "Silava"
Factors Affecting of Machined Logging in Thinning with Lightweight Technique

Solveiga Luguza, Latvia University of Life Sciences and Technologies
Characteristics of Old Norway Spruce Stands Determining Formation of Advanced Regeneration

Baiba Dzerina, Latvia State Forest Research Institute "Silava"
Influence of Seed Year on Genetic Diversity of Progenies of Norway Spruce Seed Orchard

Dūmiņš Kārlis, Latvia State Forest Research Institute "Silava"
Forest Regeneration Quality - Factors Affecting First Year Survival of Planted Trees

Edgars Dubrovskis, Latvia University of Life Sciences and Technologies
Use of Empirical Models to Predict Impact of Wind Damages

Iveta Desaine, Skogssallskapet Ltd, Latvia
Characteristic of Browsing Damages in Norway Spruce Stands

Guntars Šnepsts, Latvia State Forest Research Institute "Silava"
Characteristics of Damages in Norway Spruce Stands

Agnis Šmits, Latvia State Forest Research Institute "Silava"
Inter-species Competition in Case of Web Spinning Sawfly *Acantholyda Posticalis*

Vilija Snieškiene, Vytautas Magnus University, Lithuania
Phytophthora spp. Isolated From Rhododendron in Lithuania

Jelena Ruba, Latvia University of Life Sciences and Technologies
Sanitary State of Naturally and Anthropogenically Regenerated *Picea abies* (L.) H. Karst Stands in Oxalidosa

Gundega Done, Latvia State Forest Research Institute "Silava", Latvia University of Life Sciences and Technologies
Monitoring of Browsing by Ungulates in Young Pine, Spruce and Aspen Stands in Latvia

Mārtiņš Graudums, Latvia University of Life Sciences and Technologies
Resources of Energy Wood in Undergrowth and Understory of *Myrtillosa* mel. Forest Site Type

Solvita Krodziniece, Latvia University of Life Sciences and Technologies
Damages of Abiotic and Biotic Factors of English Oak *Quercus robur* L. Plants after Wintering on Field

Friday, 18 May/, Forest Faculty of LLU

10.00 Forestry and Wood Processing

Forest Faculty of LLU

11 Akademijas Street, Jelgava, room 16

Chairman **Uldis Spulle**

Andis Antons, Latvian State Institute of Wood Chemistry
Physical Properties of Hydrothermal Modified Pine and Birch Wood

Dace Cirule, Latvian State Institute of Wood Chemistry
Restriction of Liquid Water Spreading in Top-layer of Plywood

Sergey Janusz, Leningrad Scientific Research Institute of Agriculture «Belogorka, Saint-Petersburg State Forest Technical University named after S.M.Kirov, Russia
Density of Pine and Spruce Wood in Stands on Postagenogenic Lands of the Boreal Zone

Dmitriy Zaytsev, Saint-Petersburg State Forest Technical University named after S.M.Kirov, Russia
Density of Pine and Spruce Wood in Mixed Stands of Boreal Zone

Ilze Irbe, Latvian State Institute of Wood Chemistry
Organoclay Additive for Plywood Protection against Brown and White Rot Fungi

Agris Zalcmanis, AS Latvijas finieris
Birch Plywood Sample Mechanical Property Investigation, Analysis and Validation of Results in Solidworks Environment

Anna Andersone, Latvian State Institute of Wood Chemistry

Valorisation of Mixtures of Softwood and Hardwood Biomass as a Feedstock for Blended Fuel Pellet Production

Inga Straupe, Latvia University of Life Sciences and Technologies

The Relation of Green Infrastructure and Tourism in Urban Ecosystems

Natalia Beliaeva, Saint-Petersburg State Forest Technical University named after S.M.Kirov, Russia

Growth Spruce Phenological Different Forms Depending on the Composition and Structure of the Maternal Trees in Various Types of Forests

Dmitry Danilov, Leningrad Scientific Research Institute of Agriculture «Belogorka, Russia

Pine and Spruce Stands on Fallow Postagrogenic Lands

Toms Štāls, Latvia State Forest Research Institute "Silava"

Reforestation Success of Decayed Spruce Forest Plantation on Peat Soil

Antanina Stankevičiene, Kaunas Botanical Garden of Vytautas Magnus University

Occurrence and Diversity of Uredinales Fungi in Urban Greenery in Lithuania

Sandra Galina, Latvia University of Life Sciences and Technologies

Estimation of Forest Stands Volume in Places with Different Magnetic Field in the Ogre Region

Maris Eglīte, Latvia University of Life Sciences and Technologies

Biolocation Effect in Forestry: the Impact on Tree Growth and Quality

Friday, 18 May

7:30 **Departure from main building of university to Rīga to the National Research Center BIOR, Institute of Food Safety, Animal Health and Environment**

- **Discussions**
- **Sightseeing**
- **Farewell dinner**