



Latvia University
of Life Sciences
and Technologies



**ANNUAL 32ND INTERNATIONAL SCIENTIFIC
CONFERENCE**

RESEARCH FOR RURAL DEVELOPMENT 2026



May 13-14

2026

JELGAVA, LATVIA

**CONFERENCE
PROGRAMME**



TIME LIMITS

Plenary Session Presentations – 15 minutes

Session Presentations – 10 minutes

Poster Presentations – 5 minutes

Discussions – 5 minutes

Conference Language – English



WEDNESDAY, 13 MAY 2026

09:00 – 10:00	Registration of Participants
10:00 – 11:30	Opening of Conference and Plenary session
11:30 – 12:00	Discussions and Coffee Break
12:00 – 13:10	Parallel Sessions 1, 2 and 3
13:10 – 14:30	Lunch Time
14:30 – 15:40	Parallel Sessions 4, 5 and 6
14:20 – 15:40	Poster Session 1 and 2
14:30 – 15:40	Poster Session 3
14:30 – 15:50	Online/Hybrid Session 1
15:40 – 16:00	Discussions and Coffee Break
16:00 – 17:15	Parallel Sessions 7, 8 and 9
16:00 – 17:20	Online/Hybrid Session 2
18:00 – 20:00	Social Programme

THURSDAY, 14 MAY 2026

09:00 – 10:30	Parallel Sessions 10 and 11
10:30 – 10:50	Discussions and Coffee Break
10:50 – 12:30	Parallel Sessions 12 and 13
13:00 – 17:00	Social Programme



WEDNESDAY
13/05/2026

9:00 – 10:00 Registration of Participants

Location: Liela str.2, Entrance to Room 293

10:00 – 11:30

OPENING OF CONFERENCE AND PLENARY SESSION

Chairperson Zane Vitolina

Room Silver Hall

Opening Keynotes

Gatis Vitols, Vice-Rector for Science, Latvia University of Life Sciences and Technologies

Advancing Concrete Structure Research Through Interdisciplinary Collaboration at LBTU

Ulvis Skadiņš, Latvia University of Life Sciences and Technologies, Latvia

Cultural Ecosystem Service Assessment for Landscape Planning in Latvia

Aiga Spage, Daiga Skujane, Natalija Nitavska, Latvia University of Life Sciences and Technologies, Latvia

The Role of Social Enterprises in Building Social Capital in the Education Sector in Zemgale

Lasma Licite-Kurbe, Latvia University of Life Sciences and Technologies, Latvia, **Amanda Silina, Baiba Blomniece-Jurane**, RTU Liepaja Academy, Latvia

Monitoring of Plant Protection Product (PPP) Residues in Bee-collected Pollen and Honey From Winter Oilseed Rape

Viktorija Zagorska, Latvia University of Life Sciences and Technologies, Latvia





11:30– 12:00 Discussions and Coffee Break

12:00 – 13:10

SOCIAL SCIENCES

ECONOMIC SCIENCES

Chairperson **Sandris Ancans**

Parallel Session 1 | Room Silver Hall

Analysis of the Tax Burden in Agricultural Farms of Various Specializations, a Case Study of Latvia

Inguna Leibus, Agita Bicevska, Latvia University of Life Sciences and Technologies, Latvia

Trends in the Polish Agricultural Land Market Between 2015 and 2024

Alina Danilowska, Warsaw University of Life Sciences, Poland

Biomethane Production From Agricultural By-Products: Supporting the Development of Rural Areas in Latvia

Sandija Zeverte-Rivza, Latvia University of Life Sciences and Technologies, Latvia, **Davide Iannantuono**, Department of Economics, University of Foggia, Italy, **Kaspars Naglis-Liepa**, Latvia University of Life Sciences and Technologies, Latvia

The Contribution of Agricultural Marketing Cooperatives to the Sustainable Development Goals: Evidence From Türkiye

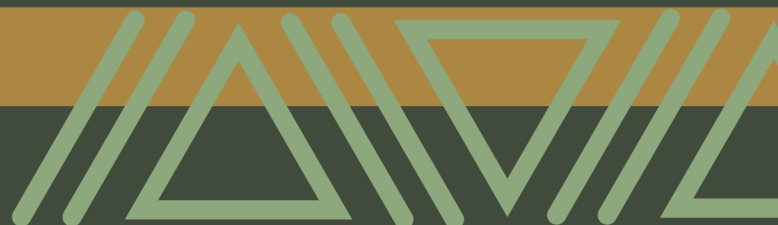
Bakiye Kilic Topuz, Mücahit Bulut, Ondokuz Mayıs University, Türkiye

The Role of Public-Private Partnerships in Regional Development and Sustainability: A Review of the Theoretical Framework, Future Prospects, and Challenges in the Literature

Peteris Abolins, Andra Zvirbule, Liga Jankova, Kristine Rendniece-Petrevica, Inga Megne, Latvia University of Life Sciences and Technologies, Latvia

Converging Trends in Agricultural Performance Between Western and Eastern Europe

Sandris Ancans, Latvia University of Life Sciences and Technologies, Latvia





12:00 – 13:10

LIFE SCIENCES

AGRICULTURAL SCIENCES

Chairperson Jānis Kaņeps

Parallel Session 2 | Room 278

Assessment of UAV-derived Vegetation Indices for Early-Generation Selection in Spring Wheat

Zaiga Jansone, Institute of Agricultural Resources and Economics, Latvia University of Life Sciences and Technologies, Latvia, **Māra Bleidere**, Institute of Agricultural Resources and Economics, Latvia, **Gundega Putniece**, Latvia University of Life Sciences and Technologies, Latvia

Pathogenicity of Two Alternaria Species on Potato and Their Compatibility With a Bacillus Subtilis-Based Product

Linda Upeniece, Institute of Agricultural Resources and Economics, Latvia University of Life Sciences and Technologies, Latvia, **Gunita Bimšteine**, Latvia University of Life Sciences and Technologies, Latvia, **Veneranda Stramkale**, Institute of Agricultural Resources and Economics, Latvia

The Occurrence of Tomato Diseases Caused by Alternaria SPP. And Stemphylium SPP. In the Baltic Region

Lilija Dučkēna, Latvia University of Life Sciences and Technologies, Latvia, University of Angers, France, **Nabahat Bessadat**, University of Angers, France, University Oran1 Ahmed Ben Bella, Algeria, **Nelly Bataillé-Simoneau**, **Franck Bastide**, **Bruno Hamon**, University of Angers, France, **Mati Koppel**, **Kaire Loit**, Estonian University of Life Sciences, Estonia, **Neringa Rasiukevičiūtė**, Lithuanian Research Centre for Agriculture and Forestry, Lithuania, **Gunita Bimšteine**, Latvia University of Life Sciences and Technologies, Latvia, **Philippe Simoneau**, University of Angers, France

Impact of Tillage Systems on Nutrient Uptake in Crop Rotation With Peas (Pisum Sativum L.)


Adrija Dorbe, **Kristiāna Skutele**, **Mārtiņš Romanovskis**, **Raimonds Kasparinskis**, **Ilze Vircava**, **Toms Atslens**, Latvia University of Life Sciences and Technologies, Latvia

The Impact of Thermoreflective Surfaces on the Overwintering of Apis Mellifera Carnica: Preliminary Study

Pavels Avens, Institute of Soil and Plant Sciences, Latvia, **Janis Gailis**, Institute of Plant Protection Research 'Agrihorti', Latvia, **Ulla Milbreta**, Latvian State Institute of Wood Chemistry, Latvia

A Review: The Influence of Various Factors on the Composition and Quality of Starch in Potato Tubers

Inese Taškova, Institute of Agricultural Resources and Economics, Latvia University of Life Sciences and Technologies, Latvia, **Ina Alsina**, Latvia University of Life Sciences and Technologies, Latvia





12:00 – 13:20

ENGINEERING SCIENCES

CONSTRUCTION AND GEODESY

Chairperson **Ulvis Skadins**

Parallel Session 3 | Room 293

Impact of Pratt Truss Member Sizing on Optimal Solutions

Arturs Neiburgs, Latvia University of Life Sciences and Technologies, Latvia

Comparison of a Latvian Regional GNSS-based Ionosphere Time Series With Global Ionosphere Maps

Atis Vallis, Armands Celms, Jānis Zvirgzds, Latvia University of Life Sciences and Technologies, Latvia, **Jānis Kaminskis**, Riga Technical University, Latvia, **Jēkabs Vallis**, University of Latvia, Latvia

Application of the LBTU Method for Deformation Monitoring of a Tunnel During Construction

Edgars Kraskevičs, Armands Celms, Latvia University of Life Sciences and Technologies, Latvia

Development of Strategic Implementation Framework for Circular Modular Construction Systems in Indian Real Estate Development Companies

Soniya Mohankumar, Janis Zvirgzdins, Riga Technical University, Riga, Latvia

Impact of VOC Emissions from Recycled Building Materials on Indoor Environmental Quality

Andris Stankevičs, Sandra Gusta, Latvia University of Life Sciences and Technologies, Latvia

A Literature Review of Steel Fibre Reinforced Concrete Beams Failing in Shear

Venkata Siva Kumar Anumolu, Ulvis Skadiņš, Latvia University of Life Sciences and Technologies, Latvia

Experimental Investigation of Buckling Stability of Non-Composite-Section Multi-Layer Panels Under Axial Compression

Dana Puzanova, Ulvis Skadins, Latvia University of Life Sciences and Technologies, Latvia

Impact of Uniformly Distributed Load Types on Deflection of SFRC Flat Slabs

Solvita Šņore, Ulvis Skadiņš, Latvia University of Life Sciences and Technologies, Latvia



13:10 – 14:30 Lunch time





14:30 – 15:40

SOCIAL SCIENCES

ECONOMIC AND SOCIAL SCIENCES (CONTINUATION)

Chairperson Sandra Vasilevska

Parallel Session 4 | Room Silver Hall

Biofuel Expansion and Agricultural Land Use: Assessing Food–fuel Competition in Poland

Ludwik Wicki, Aleksandra Wicka, Warsaw University of Life Sciences, Poland

Agriculture Policy as a Driver of Financial Stability: Comparison of Latvia and India

Santhosh Ragam, Aija Pilvere, Latvia University of Life Sciences and Technologies, Latvia

Social Acceptance of Power Generation Possibilities

Olafs Slutins, Latvia University of Life Sciences and Technologies, Riga Technical University, Latvia,

Sandija Zeverte-Rivza, Latvia University of Life Sciences and Technologies, Latvia, **Laila Zemīte**, Riga Technical University, Riga Nordic University, Latvia

Social Enterprises in Latvia: An Untapped Resource for Community Social Work in Rural Areas

Liesma Ose, University of Latvia, Latvia

Power relations in senior care: community based and long-term care solutions

Endija Rezgale-Straidoma, Līga Rasnača, University of Latvia, Latvia

Energy Security Research in the Baltic States: Funding and Coordination

Sandra Vasilevska, Latvia University of Life Sciences and Technologies, Latvia

14:30 – 15:40

LIFE SCIENCES

FORESTRY, LAND USE PLANNING

Chairperson Inga Straupe

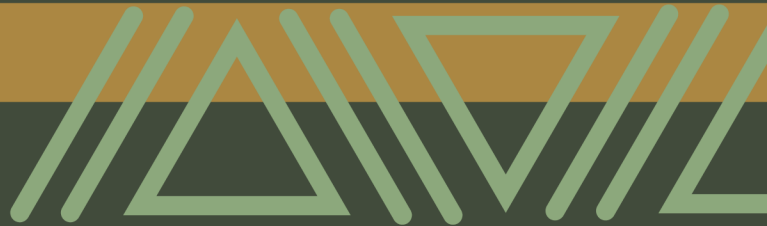
Parallel Session 5 | Room 278

*Effect of *Alnus Glutinosa* (L.) Gaertn. And *Betula Pendula* Roth. Plantations on Ground Cover Plant Diversity*

Inga Straupe, Sintija Ozola, Baiba Jansone, Āris Jansons, Latvia University of Life Sciences and Technologies, Latvia

Snow, Water, and Terrain as Drivers of Forest Scenic Beauty

Zane Lībiete, Edgars Jūrmalis, Latvian State Forest Research Institute 'Silava', Latvia



Reduction of R:Fr Ratio Modulates Shoot Architecture of Betula Pendula in Vitro Without Impairing Photosynthesis

Toms Kondratovics, Latvian State Forest Research Institute 'Silava', Latvia University of Life Sciences and Technologies, Latvia, **Ina Alsina**, Latvia University of Life Sciences and Technologies, Latvia, **Arnis Gailis**, Latvian State Forest Research Institute 'Silava', Latvia

The determination of required characteristics for agricultural cleaning and pre commercial thinning and the analysis of this data using artificial intelligence

Marcis Vinters, Latvia University of Life Sciences and Technologies, Latvia, **Elferts Didzis**, Latvian State Forest Research Institute Silava, Latvia, **Linards Sisenis**, Latvia University of Life Sciences and Technologies, Latvia

Greenhouse Gas Emission Reduction Potential Assessment From Land-Use Change in Agriculture

Kristiāna Griķe, Latvia University of Life Sciences and Technologies, Latvia, **Raimonds Kasparinskis**, Latvia University of Life Sciences and Technologies, University of Latvia, Latvia

Latvia's Soil of the Year 2026: ecological, social and economic aspects

Ieva Erdberga, **Baiba Buša**, **Inga Straupe**, Latvia University of Life Sciences and Technologies, Latvia, **Kaspars Veliks**, **Raimonds Kasparinskis**, Latvia University of Life Sciences and Technologies, University of Latvia, Latvia

14:30 – 15:40

ENGINEERING SCIENCES

INFORMATION AND COMMUNICATION TECHNOLOGIES

Chairperson Tatjana Rubina

Parallel Session 6 | Room 293

AI-Based Image Classification for Hen Egg Fertility Detection

Sausthene Tsiguia, **Liga Paura**, Latvia University of Life Sciences and Technologies, Latvia

From Paper to Pixels: Digital Delegate Badges and Conference Competitiveness

Ēriks Lingeberziņš, **Agita Doniņa**, Turība University, Latvia

IOT-Based Autonomous Monitoring System for Real-Time Wasp Detection at Beehive Entrances

Kirishanth Manivannan, **Aleksejs Zacepins**, Latvia University of Life Sciences and Technologies, Latvia

Tourism Recommender Systems AI Hybrid Filtering Context-Aware Adaptation Social Media Trends User Satisfaction

Pradeep Sharma, **Tatjana Rubina**, Latvia University of Life Sciences and Technologies, Latvia

Uneven Diffusion: The Sectoral Contours of Data Capitalism in a Small Open Economy

Ritvars Metra, Latvia University of Life Sciences and Technologies, Latvia

A Cognitive Geofencing Framework for Integrated Urban Mobility and Safety Management

Abdul Waqas, Latvia University of Life Sciences and Technologies, Latvia



15:40 – 16:00 Discussions and Coffee Break

16:00 – 17:30

SOCIAL SCIENCES

ECONOMIC SCIENCES (CONTINUATION)

Chairperson **Pēteris Āboliņš**

Parallel Session 7 | Room Silver Hall

Institutional Capacity and the Emergence of Bioregional Initiatives in Rural Latvia: A Governance Perspective

Inga Megne, Kaspars Naglis-Liepa, Pēteris Āboliņš, Latvia University of Life Sciences and Technologies, Latvia

CAP Support and Balanced Agricultural Development in Latvia: Evidence From Expert Evaluations and Farm-Level Data

Jana Gurska, Irina Pilvere, Latvia University of Life Sciences and Technologies, Latvia

Sheep Meat Production Potential in Latvia

Matiss Bicevskis, Agita Bicevska, Dina Popluga, Latvia University of Life Sciences and Technologies, Latvia

A Systemic Model of Technology Transfer and Commercialisation in Latvian Scientific Institutions

Liga Braslina, Anda Batraga, Jelena Salkovska, University of Latvia, Latvia, **Didzis Rutitis, Davids Stebelis**, School of Business and Finance, Latvia, **Solvita Kostjukova**, University of Latvia, Latvia, **Marta Kontina**, School of Business and Finance, Latvia, **Ģirts Braslins**, University of Latvia, Latvia, **Laima Braslina**, Riga Stradins University, Latvia

The Theoretical Aspects of Agricultural Logistics

Annija Marta Jurgevicā, Liga Jankova, Latvia University of Life Sciences and Technologies, Latvia

Changes in Exports and Market Concentration in the Beef Cattle Industry in Latvia

Evija Skujiņa, Irina Pilvere, Latvia University of Life Sciences and Technologies, Latvia

Timetable Planning and Optimization in Latvian Schools: Empirical Evidence From a National Survey on Digitalization, Workload, and Organisational Constraints

Katrina Kellerte, Liga Braslina, Anda Batraga, Ieva Svarca, Laima Braslina, University of Latvia, Latvia

The Impact of the Rural Development Programme Support on Ammonia Emissions From Agriculture

Elita Benga, Juris Hāzners, Institute of Agricultural Resources and Economics, Latvia, **Anita Auziņa**, Latvia University of Life Sciences and Technologies, Latvia

Rethinking Human Capital Indicators in Regional Analysis Based on Evidence From Latvia

Ģirts Veigners, Andra Zvirbule, Latvia University of Life Sciences and Technologies, Latvia



16:00 – 17:00

LIFE SCIENCES

VETERINARY MEDICINE, AGRICULTURAL SCIENCES

Chairperson Diana Ruska

Parallel Session 8 | Room 278

The Effects of Dietary Microalgae Supplementation on Haematological, Biochemical and Growth Performance in Broiler Chickens

Anete Freiberga, Maksims Zolovs, Aija Ilgaža, Latvia University of Life Sciences and Technologies, Latvia

Genetic Analysis of Latvian Dark Head Old Type Breeding Rams

Dace Barzdina, Daina Kairisa, Latvia University of Life Sciences and Technologies, Latvia

Black Soldier Fly Larval Meal as a Protein Source in Pig Nutrition: A Review

Patrīcija Paula Pauliņa, Lilija Degola, Latvia University of Life Sciences and Technologies, Latvia

Egg Production Analysis in Australorp Hens

Didzis Dreimanis, Daina Jonkus, Līga Paura, Latvia University of Life Sciences and Technologies, Latvia

16:00 – 17:00

ENGINEERING SCIENCES

ENVIRONMENTAL ENGINEERING

Chairperson Inga Grinfelde

Parallel Session 9 | Room 293

Moss-based Vertical Barriers as Hybrid Infrastructures for Urban PM Monitoring and Mitigation

Edgars Karklins, Latvia University of Life Sciences and Technologies, Latvia

Vegetative Propagation of Bryophytes for Urban Deployment and Ecosystem Services Provision

Juta Karklina, Latvia University of Life Sciences and Technologies, Latvia

A Comparative Assessment of Farm-Level Greenhouse Gas Emission Estimates Using Decarbfarm and Established GHG Tools

Katrina Muizniece, Latvia University of Life Sciences and Technologies, Latvia, **Inga Grinfelde**, Latvia University of Life Sciences and Technologies, Latvia, Lietuvos Inženierijos Kolegija, Higher Education Institution, Lithuania, **Jovita Pilecka-Ulcugaceva**, Latvia University of Life Sciences and Technologies, Latvia

Spatial Occurrence of PFOS and PFOA in the Daugava and Lielupe River Basins (Latvia)

Jana Grave, Latvia University of Life Sciences and Technologies, Latvia, **Inga Grinfelde**, Latvia University of Life Sciences and Technologies, Latvia, Lietuvos Inženierijos Kolegija/ Higher Education Institution, Lithuania, **Jovita Pilecka-Ulcugaceva**, Latvia University of Life Sciences and Technologies, Latvia



POSTER SESSION 1

14:20 – 15:40

Chairperson Vineta Tetere

LBTU Aula Foyer

Financing Opportunities for Sustainable Food, Energy, and Water Systems: Transferring European Experience to African Countries

Astrida Miceikienė, Vytautas Magnus University, Lithuania, Sheereen Fauzel, Mauritius University, Mauritius

Assessing EU Member States' Contributions to Nutrient Loss Reduction

Aina Muška, Kristaps Muška, Irina Pilvere, Aleksejs Nipers, Latvia University of Life Sciences and Technologies, Latvia

Embedding Culture in Sustainable Rural Place-Making: Evidence From Regional Planning Strategies in Latvia

Dina Bite, Riga Stradiņš University, Latvia, **Liene Kairiša**, Latvian Council of Science, Latvia

Urbanization and Demographic Challenges of Funding Educational Institutions in Municipalities in Latvia

Modrite Pelse, Elina Laine Melbarde, Latvia University of Life Sciences and Technologies, Latvia

The Impact of Human Life Cycle Stages on Individuals' Sustainable Consumption Choices

Līga Feldmane, Krista Patricija Zeibote, Latvia University of Life Sciences and Technologies, Latvia

Regional Differences in Factors Affecting the Employment of the Silver Generation in Latvia

Lilīta Seimuškāne, Biruta Sloka, University of Latvia, Latvia

Institutional and Regional Inequality in Long-Term Social Care Provision in Latvia: Implications for Rural Development

Jana Muizniece, Lilīta Seimuskane, University of Latvia, Latvia

Challenges of AI Integration in Medium-Sized Enterprises in Latvia's Regional Economy

Andrejs Cinis, Latvia University of Life Sciences and Technologies, Latvia

Artificial Intelligence in Higher Education: A Cross-Disciplinary Survey Study

Natalja Vronska, Olafs Vronskis, Latvia University of Life Sciences and Technologies, Latvia

Kinship Care Families in Rural Regions: An Actor-Network Perspective

Aiga Romāne-Meiere, University of Latvia, Latvia





POSTER SESSION 2

14:20 – 15:40

Chairperson Jovita Pilecka-Ulcugaceva
LBTU Aula Foyer

Local Water Basin Governance Developments in Latvia: Complementary Tripple Governance Dimensions Framework

Raimonds Ernsteins, University of Latvia, Daugavpils University, Latvia, **Toms Bringulis**, **Maris Ozolins**, **Karlis Konkovs**, University of Latvia, Latvia, **Arturs Skute**, Daugavpils University, Latvia

Water Basin Governance Capacity Developments: Participatory Management Practice Enhancement

Raimonds Ernsteins, Latvia University, Daugavpils University, Latvia, **Toms Bringulis**, **Karlis Konkovs**, **Maris Ozolins**, Latvia University, Latvia, **Arturs Skute**, Daugavpils University, Latvia

Policy Arrangements and Practice Implementation Studies Towards Necessary Harmonisation of Water and Agricultural Governance

Toms Bringulis, University of Latvia, Latvia, **Raimonds Ernsteins**, **Erika Lagzdina**, University of Latvia, Daugavpils University, Latvia, **Arturs Skute**, Daugavpils University, Latvia

Governance Framework for Energy Efficient Housing Renovation Process: Multi-Apartment Building With Complementary Roof-Top Solar Technologies

Ivars Kudrenickis, **Raimonds Ernsteins**, **Liga Biezina**, **Rasa Ikstena**, University of Latvia, Latvia

AI Governance for Safe Rural Automation: Global Survey of Literacy, Oversight and Registration Practices

Ayoola Rilwan Lawal, University of Latvia, Latvia, **Tarmol Koppel**, Tallinn University of Technology, Estonia, **Romans Putans**, University of Latvia, Latvia

Oat Hull Processing Residues as Alternative Substrates for Microalgal Growth

Matiss Toms Laugalis, **Inese Strazdina**, **Armands Vigants**, University of Latvia, Latvia

Optimisation of Ultrasound Pretreatment Time for Protein Extraction From Brewery Spent Grain

Andrejs Banis, **Tatjana Kince**, Latvia University of Life Sciences and Technologies, Latvia

The Effect of Freeze-Drying on the Phenolic and Anthocyanin Content in Berry Press Residues

Jelena Pisarjonoka, **Anete Keke**, Latvia University of Life Sciences and Technologies, Latvia

The Role of Knowledge-Based Technologies and Innovations in the Sustainable Development of the Latvian Construction

Inese Biuksane, Research Institute for Business and Social Processes, Ministry of Economics, Riga, Latvia

Impact of Member Sizing on Pratt Truss Optimal Height-To-Span Trends

Arturs Neiburgs, Latvia University of Life Sciences and Technologies, Latvia





POSTER SESSION 3

14:30 – 15:40

Chairperson **Edgars Dubrovskis**
LBTU Aula Foyer

Antagonistic Activity of Postbiotics Against Biofilm Formation by Dairy Spoilage and Pathogenic Microorganisms

Gundega Gulbe, Riga Stradins University, **Signe Vessere**, **Viktorija Krasnova**, Latvia University of Life Sciences and Technologies, Latvia, **Agnese Brūvere**, Riga Stradins University, Latvia, **Vineta Anīņa**, **Alda Valdovska**, Latvia University of Life Sciences and Technologies, Latvia

Manual Pipetting: A Multi-sector Study With Dry-Verification Technology (Atmos-1)

Avo Karus, Estonian University of Life Sciences, Institute of Veterinary Medicine and Animal Science, Estonia

Do Flowering Plants Contribute to Butterfly Diversity Along the Forest Roads in Latvia?

Dagmāra Čakstiņa, **Santa Ieviņa**, **Līga Pentjuša**, **Zane Lībiete**, **Linda Gerra-Inohosa**, Latvian State Forest Research Institute 'Silava', Latvia

Indoor Seed Production of Silver Birch (Betula Pendula Roth): Current Knowledge and Research Needs

Aldis Sproģis, Latvia University of Life Sciences and Technologies, Latvia, **Alise Bleive**, Latvian State Forest Research Institute Silava, Latvia, **Kaspars Liepiņš**, Latvia University of Life Sciences and Technologies, Latvian State Forest Research Institute Silava, Latvia

Occurrence Patterns of Key Non-Timber Forest Products: Evidence From the National Forest Inventory in Latvia

Agita Treimane, **Jānis Donis**, **Ilze Barone**, **Zane Lībiete**, Latvian State Forest Research Institute Silava, Latvia

Case Study of Bird's-Foot Trefoil (Lotus Corniculatus), Wood Fiber, Peat for Sand and Gravel Quarry Reclamation

Viktorija Vendina, Latvian State Forest Research Institute Silava, Latvia University of Life Sciences and Technologies, Latvia, **Dagnija Lazdiņa**, Latvian State Forest Research Institute Silava, Latvia

Stand Density Effects on Growth and STEM Quality of Hybrid Larch in Lithuania

Loreta Semaškienė, **Sinilga Černulienė**, Lietuvos inžinerijos kolegija / Higher Education Institution, Lithuania

15:40 – 16:00 Discussions and Coffee Break



LINK TO ONLINE SESSION:



ONLINE / HYBRID SESSION 1

14:20 – 15:50

Chairperson Lasma Licite-Kurbe
Room 37

Sustainable Food Packaging Indicators

Laura Martinsone-Ozoliņa, Latvia University of Life Sciences and Technologies, Riga Stradins University, Latvia, **Dina Popluga**, Latvia University of Life Sciences and Technologies, Latvia

The Impact of Management Competencies on Investor Attraction in Rural Development: Evidence From Latvia

Monta Anšica, **Una Libkovska**, Ventspils University of Applied Sciences, Latvia

Revaluating Ukraine's Innovation Framework: Legal Adaptation to AI and Digitalisation in Rural Economies

Kateryna Sokolova, **Serhiy Boublyk**, **Oleh Mekh**, State Institution 'Dobrov Institute for Scientific and Technological Potential and Science History Studies of the NAS of Ukraine', Ukraine

Adaptive Governance Models for Rural Development in Southern Ukraine During Post-War Recovery

Maryna Dubinina, **Svitlana Syrtseva**, Mykolaiv National Agrarian University, Ukraine

Defining the Priority Research Areas in Digital Technologies, Artificial Intelligence of Ukraine by Delphi Survey

Anton Koretskyi, **Denys Zhernovy**, **Vitaliya Klimenkova**, State Institution 'Dobrov Institute for Scientific and Technological Potential and Science History Studies of the NAS of Ukraine', Ukraine,

Identifying Ukraine's Research Priorities in Efficiency and Safety of Energy by Technology Foresight

Anton Koretskyi, State Institution 'Dobrov Institute for Scientific and Technological Potential and Science History Studies of the NAS of Ukraine', Ukraine, **Kaspars Naglis-Liepa**, Latvia University of Life Sciences and Technologies, Latvia, **Tetiana Velenteichyk**, **Denys Zhernovy**, State Institution 'Dobrov Institute for Scientific and Technological Potential and Science History Studies of the NAS of Ukraine', Ukraine, **Serhii Taran**, Interregional Academy of Personnel Management, Ukraine, **Yuri Khomenko**, State Institution 'Dobrov Institute for Scientific and Technological Potential and Science History Studies of the NAS of Ukraine', Ukraine

Financial and Economic Impact of Sole Proprietors' Activities on the Development of Rural Territorial Communities

Yuliia Cheban, **Olha Luhova**, Mykolaiv National Agrarian University, Ukraine

Digitalisation of the Development of Subjects of Regional Agrarian Economy

Natalya Sirenko, **Kateryna Tishechkina**, **Kateryna Mikulyak**, Mykolaiv National Agrarian University, Ukraine

Environmental Practices in Tourism and Tourists' Pro-Environmental Behaviour as Drivers of Sustainable Rural Development in Ukraine

Iryna Kyryliuk, Kherson State Agrarian and Economic University, Ukraine, **Nataliia Barvinok**, Uman National University, Ukraine, **Viktoriiia Krasnomovets**, Bohdan Khmelnytsky Cherkasy National University, Ukraine, **Oksana Lytvyn**, Kherson State Agrarian and Economic University, Ukraine, **Valentina Demko**, Dmytro Motornyi Tavria State Agrotechnological University, Ukraine

Synergy of Rural Area Revitalization and Agricultural Production Development in the Context of War and Post-War Challenges in Ukraine: Managerial Aspect

Halina Matskiv, Stepan Gzhytskyi National University of Veterinary Medicine and Biotechnologies of Lviv, Ukraine, **Hanna Zhosan**, Kherson State Agrarian and Economic University, Ukraine, **Iryna Romaniuk**, Kryvyi Rih State Pedagogical University, Ukraine, **Olena Bodnar**, **Tetiana Kuchmiiova**, Mykolaiv National Agrarian University, Ukraine

ONLINE/ HYBRID SESSION 2

16:00 – 17:20

Chairperson Aiga Spāģe

Room 37

Structural Changes in Peasant Land Use in Dnieper Ukraine in the 18th-19th Centuries

Larysa Filoretova, **Nataliia Tokar**, Volodymyr Vynnychenko Central Ukrainian State University, Ukraine

Comparative study of Time Domain Reflectometry and gravimetric soil moisture measurement in soil amended with wool

Marie Judith Kundwa, Wrocław University of Environmental and Life Sciences, Poland, **Małgorzata Biniak-Pieróg**, Wrocław University of Environmental and Life Sciences, Poland, **Andrzej Wilczek**, Institute of Agrophysics, Polish Academy of Sciences, Poland, **Anna Wyrostek**, Wrocław University of Environmental and Life Sciences, Poland

Towards Sustainable Livestock: Calculated and on-farm Measured Methane Values in a High-Yielding Dairy Herd

Ilga Sematovica, Latvia University of Life Sciences and Technologies, Latvia, **Ilze Vike**, Latvia University of Life Sciences and Technologies, Riga Stradins university, Latvia, **Laima Berzina**, Latvia University of Life Sciences and Technologies, Latvia

Dynamics of Built-up Area Development in Lithuania in 2005-2025

Giedrė Ivavičiūtė, Vytautas Magnus University, Klaipėdos valstybinė kolegija/ Higher Education Institution, Lietuvos inžinerijos kolegija/ Higher Education Institution, Lithuania

Irrigation Prioritization Model for Drought Resilience: Crop Ranking and Water Saving Scenarios

Vilda Grybauskiene, **Gitana Vyciene**, **Inga Grinfelde**, Lietuvos Inžinerijos kolegija, Lithuania, **Ulaş Şenyigit**, Isparta University of Applied Sciences, Turkey

Long-Term Changes in Arable Land, Meadows and Natural Pastures, Orchards in Lithuania

Giedrė Ivavičiūtė, Vytautas Magnus University, Klaipėdos valstybinė kolegija/ Higher Education Institution, Lietuvos inžinerijos kolegija/ Higher Education Institution, Lithuania

Agricultural Land Change in Lithuania and Its Counties (2005–2025)

Giedrė Ivavičiūtė, Vytautas Magnus University, Klaipėdos valstybinė kolegija/ Higher Education Institution, Lietuvos inžinerijos kolegija/ Higher Education Institution, Lithuania

*Management of Biomass and Energy Potential of Switchgrass (*Panicum Virgatum* L.) as Affected by Sowing Date and Seed Burial Depth*

Ulyana Nedilska, Higher educational institution 'Podillia State University', Ukraine, **Serhii Yermakov**, Higher educational institution 'Podillia State University', Kamyanets-Podilskyi Instrument Applied College of Construction, Architecture and Design, Ukraine, **Oleg Kucher, Volodymyr Kryzhanivskiy**, Higher educational institution 'Podillia State University', Ukraine

Sustainability Communication: From Small Enterprises to Strong Communities in the Regions of Latvia

Ilze Vike, Latvia University of Life Sciences and Technologies, Riga Stradins University, Latvia, **Ginta Kronberga**, Latvia University of Life Sciences and Technologies, Latvia

Towards a Strategic Framework for Digitizing Existing Facilities in Syria Challenges and Prospects of implementing a Smart FM in Syria

Mohamed H. Shaban, Homs University, Syria

Development of a decision support system for parcel carrier selection: a case study

Renata Macaitienė, Donatas Daugirdas, Vaida Steponavičienė, Šiauliai State Higher Education Institution, Lithuania

Interactions Between Seeding Rate and Genotype in Winter Wheat Productivity

Livija Zarina, Institute of Agricultural Resources and Economics, Latvia, Liga Auzina, State Plant Protection Service

Civil Protection Disaster Preparedness of Latvia`s Regions

Uldis Karlsons, Dace Brizga, Uldis Spulle, Latvia University of Life Sciences and Technologies, Latvia



18:00 – 20:00

**Farewell dinner, Discussions
at Restaurant “PARKS”,
Kr. Barona street 3, Jelgava**



THURSDAY
14/05/2026

9:00 – 10:30

SOCIAL SCIENCES

ECONOMIC AND SOCIAL SCIENCES

Chairperson Ksenija Furmanova

Parallel Session 10 | Room 293

Legal Framework for Regulating Fair and Responsible Marketing Communication in Latvia's Agricultural Product Market

Ksenija Furmanova, Gunta Grinberga-Zalite, Latvia University of Life Sciences and Technologies, Latvia

Generational Succession in Small Farms and Farming Resilience in Latvia

Aija Zobena, University of Latvia, Latvia

Competitiveness Determinants of Catering Enterprises in Regional Towns of Latvia: The Case of Talsi and Tukums

Kitija Kirila, Gita Krumina-Zemture, Ilva Peka, Niklavs Libergs, Latvia University of Life Sciences and Technologies, Latvia

Political Dimension for Public Engagement in Regional Development and Resilience

Jeļena Šaicāne, Līga Proškina, Latvia University of Life Sciences and Technologies, Latvia

From Global Issues to Local Agency: Social Work for Community Resilience in Rural Municipalities in Latvia

Baiba Bela, University of Latvia, Latvia

Regulatory Framework of Public Administration Services Governance in Latvia: Towards Good Governance

Lilita Gurnasa, Gunita Mazure, Latvia University of Life Sciences and Technologies, Latvia

NGOs in Rural Socio-Economic Development: Community Resilience and Social Infrastructure

Krista Alksne, Anita Straujuma, Riga Technical University, Latvia

Analysis of the Institutional Environment of Public-Private Partnerships in the Context of Regional Development and Sustainability

Peteris Abolins, Andra Zvirbule, Liga Jankova, Kristine Rendniece-Petrevica, Maira Lescevicā, Latvia University of Life Sciences and Technologies, Latvia

Hierarchical Structuring of Sustainability - Oriented Economic Concepts

Maira Lescevicā, Latvia University of Life Sciences and Technologies, Vidzeme University of Applied Sciences, Latvia, **Zane Gusta**, Vidzeme University of Applied Sciences, Latvia



9:00-10:30

ENGINEERING SCIENCES

**AGRICULTURAL ENGINEERING, INFORMATION AND
COMMUNICATION TECHNOLOGIES**

Chairperson **Karlis Amatnieks**

Parallel Session 11 | Room Silver Hall

A Linear Programming Approach to Land and Irrigation Water Allocation for Priority Crops in Rwanda

Emmanuel Hakiruwizera, Isparta University of Applied Sciences, Türkiye, Rwanda Polytechnic Huye College, Rwanda, **Yusuf Ucar**, Isparta University of Applied Sciences, Türkiye, **Niragire Theophile**, Rwanda Polytechnic Musanze College, Rwanda, Cukurova University, Türkiye

Bell Pepper Response to Mulch Types Under Different Irrigation Strategies

Emmanuel Hakiruwizera, Isparta University of Applied Sciences, Türkiye, Rwanda Polytechnic Huye College, Rwanda, **Yusuf Ucar**, Isparta University of Applied Sciences, Türkiye

The Potential of Robotisation for Strawberry Cultivation in Open Fields: A Review

Artūrs Feldmanis, Vilnis Pīrs, Kārlis Banis, Latvia University of Life Sciences and Technologies, Latvia

High-Power Charging Solutions for Electric Transport: Review of Existing Technologies and Approaches

Mārtiņš Tisenkopfs, Aigars Laizans, Latvia University of Life Sciences and Technologies, Latvia

Diversifying Energy Flows in the EU: Structural Constraints and the Latvian Case

Ivans Zotovs, Alina Zotova, Liene Kancevica, Aigars Laizans, Latvia University of Life Sciences and Technologies, Latvia

Artificial Intelligence and the Work Environment: Challenges and Solutions for Human Capital Development

Simona Ozoliņa-Ugore, Elīna Pentjuša, Anita Straujuma, Elīna Gaile-Sarkane, Riga Technical University, Latvia

The Role of GIS Solutions in the Development of Modern Beekeeping

Daniels Kotovs, Aleksejs Zacepins, Latvia University of Life Sciences and Technologies, Latvia



10:30– 10:50 Discussions and Coffee Break





10:50-12:20

SOCIAL SCIENCES

ECONOMIC SCIENCES

Chairperson **Gunita Mazure**

Parallel Session 12 | Room 293

Analysis of the Institutional Framework for Human Capital Development in the Baltic Sea Region

Marina Romele, Kaspars Naglis-Liepa, Latvia University of Life Sciences and Technologies, Latvia

Rural Idyll and Rural Penalty: The Perspective of Families with Children

Jolanta Millere, Signe Dobelniece, Latvia University of Life Sciences and Technologies, Latvia

Social Implications of the Silver Economy in Rural Regions of Latvia

Signe Dobelniece, Ginta Kronberga, Latvia University of Life Sciences and Technologies, Latvia

Broader Economic Impacts Evidence of Genomics in Beef Cattle Production Systems

Sandra Helmute, Gunita Mazure, Latvia University of Life Sciences and Technologies, Latvia

Incentive-Based and Equalization-Based Approaches to Mitigating Regional Inequality

Anna Velickina, Modrite Pelse, Latvia University of Life Sciences and Technologies, Latvia

Digitalisation and Tourism Policy in Latvia: Implications for Rural Tourism Development

Inita Kindzule-Millere, Sandija Zēverte-Rivža, Latvia University of Life Sciences and Technologies, Latvia

Understanding Green Finance: Definitions and Conceptual Development

Eliza Elza Lipsane, Gunita Mazure, Latvia University of Life Sciences and Technologies, Latvia

Interregional Tourism Spillovers and Regional Development: A Spatial Network Approach

Rajkumar Jayaraj, Latvia University of Life Sciences and Technologies, Latvia

Sustainable Workforce Development in Europe: HR Strategies for Supporting Generation Z in Rural and Regional Labour Markets

Shruti Gupta, Andra Zvirbule, Latvia University of Life Sciences and Technologies, Latvia





10:50-12:00

**ENGINEERING AND SOCIAL SCIENCES
EDUCATION, LANDSCAPE ARCHITECTURE**

Chairperson **Ilze Stokmane**

Parallel Session 13 | Room Silver Hall

Empirical Results of Mentorship Impact on Academic Progress and Attitudes of Veterinary Medicine Preclinical Studies

Virge Karus, Hanna Belinska, Kärt-Carmen Konsa, Avo Karus, Estonian University of Life Sciences, Institute of Veterinary Medicine and Animal Science, Estonia

Digitalization Maturity in the Field of Veterinary Medicine in Latvia

Tatjana Rubina, Latvia University of Life Sciences and Technologies, Latvia, **Agnese Belousova**, SIA RGP, **Elina Kaņka**, Latvia University of Life Sciences and Technologies, Latvia

Vocational Agricultural Education and Labour Market Dynamics: Implications for Sustainable Regional Development and Economic Growth

Iveta Leitlante, Latvia University of Life Sciences and Technologies, Latvia

Key Competencies for Rewriting the Narrative on Gender-Based Violence in Rural Areas for Sustainable Social Development

Anna Vintere, Latvia University of Life Sciences and Technologies, Latvia, **Antonia Castellani**, Skill Up, Italy, **Andreas Ahrens**, Hochschule Wismar, University of Applied Sciences: Technology, Business and Design, Germany, **Jelena Zascerinska**, Centre for Education and Innovation Research, Latvia

Linking Mathematics Education With Real-Life Applications for Sustainable Rural Development

Liene Briede, Daugavpils University, Latvia, **Oksana Labanova**, **Elena Safiulina**, TTK University of Applied Sciences, Estonia, **Inna Samuilik**, Daugavpils University, Riga Technical University, Latvia, **Leif Hammar**, Åland University of Applied Sciences, Finland, **Elena Ligere**, Riga Technical University, Latvia

Veganism in the Context of Sustainable Food Systems: Global Trends and the Latvian Case

Anastasija Zemcova, **Sandija Zēverte-Rivža**, Latvia University of Life Sciences and Technologies, Latvia

Therapeutic Landscapes as a Public Health Resource

Kitija Graudiņa, **Ilze Stokmane**, Latvia University of Life Sciences and Technologies, Latvia

**13:00 Departure from Liela str.2 to Farm Caunites
(Discussions, Sightseeing)**

