

Programme



Photo: Rita Armonienė

1st Nordic-Baltic REACH conference organized by NJF

Resolving Environmental and Climate Change Issues in Agriculture

October 8–9, 2024

Lithuanian Academy of Sciences, Vilnius, Lithuania

		Time	Title	Institution	Country
		9.30–9.50	Registration, coffee 1		
		9.50–10.10	Opening ceremony – Acad. Prof. Zenonas Dabkevičius, Acad. Prof. Baiba Rīvža, Acad. Prof. Vidmantas Stanyš, Prof. Dr Jarkko Niemi		
			Moderators: Prof. Dr Jarkko Niemi and Dr Skaidrė Supronienė		
PLENARY SESSION	grand hall	10.10–10.30	Heikki Lehtonen How to integrate necessary actions and solutions to climate and environmental sustainability challenges in economically viable agriculture?	Natural Resources Institute Finland	Finland
		10.30–11.00	Per Hansson Nordic-Baltic agricultural research collaboration for sustainable agriculture	The Nordic Joint Committee for Agricultural and Food Research	Sweden
			Moderators: Assoc. Prof. Anastasija Novikova and Per Hansson		
Section 1	grand hall	11.00–11.15	Anastasija Novikova Challenges in Social Protection and Farmer Well-being in EU Agriculture	Vytautas Magnus University, Faculty of Bioeconomy Development	Lithuania
		11.15–11.30	Linās Stabingis Career planning among the students in the Baltic and the Nordic countries	Marijampolė Higher Education Institution	Lithuania
		11.30–11.45	Niemi Jarkko An analysis of transitioning to peat-free food chain in South Ostrobothnia	Natural Resources Institute Finland	Finland
		11.45–12.00	Baiba Rīvža European Policy Issues and their Influence on Modernization of Latvian Agricultural Sector	Latvia University of Life Sciences and Technologies	Latvia
		12.00–13.00	Lunch		
			Moderators: Prof. Dr Edita Baltrėnaitė-Gedienė and Prof. Dr Biruta Bankina		
Section 2	grand hall	13.00–13.15	Arman Shamshitov The effect of conservation agriculture practices on soil microbial functional diversity and metabolic activity in Endocalcaric-Epingleyic Cambisol soil	Lithuanian Research Centre for Agriculture and Forestry, Institute of Agriculture	Lithuania
		13.15–13.30	Biruta Bankina Leaf blotch as emerging disease in faba bean sowings	Latvia university of life sciences and technologies	Latvia
		13.30–13.45	Edita Baltrėnaitė-Gedienė Dynamic factor method – a tool on chemical element uptake by plants under climate change	Vilnius Gediminas Technical University, Institute of Environmental Protection	Lithuania
		13.45–14.00	Gabija Vaitkevičiūtė The effect of fluctuating temperatures on winter wheat: from physiology to transcriptome	Lithuanian Research Centre for Agriculture and Forestry, Institute of Agriculture	Lithuania
		14.00–14.15	Shervin Hadian Promoting sustainable agriculture using endophytic bacteria from <i>Artemisia</i> spp.	Lithuanian Research Centre for Agriculture and Forestry, Institute of Agriculture	Lithuania
		14.15–14.30	Ina Alsina Wheat yield and its quality in a changing climate	Latvia University of Life Sciences and Technologies,	Latvia
		14.30–14.45	Monika Toleikienė Effect of Biofertilizers on soybean growth under changing climatic conditions	Lithuanian Research Centre for Agriculture and Forestry, Institute of Agriculture	Lithuania
			Moderators: Acad. Dr Žydrė Kadžiulienė and Prof. Dr Heikki Lehtonen		
Section 3	small hall	13.00–13.15	Katrīna Kārklīņa Evaluation of the European pear rust severity in local pear cultivar 'Kazraušu bumbiere' seedlings and their genetic diversity revealed by SSR molecular markers	Institute of Horticulture, Latvia University of Life Sciences and Technologies	Latvia
		13.15–13.30	Linās Balčiauskas Small Mammal Diversity and Body Condition in Agricultural Environments	Laboratory of Mammalian Ecology, Nature Research Centre	Lithuania
		13.30–13.45	Mahbubjon Rahmatov Resilient crop diversification through millets diversity in the Baltic Sea Neighborhoods	Swedish University of Agricultural Sciences, Department of Plant Breeding	Sweden
		13.45–14.00	Maryna Zhylyna Biochar production for soil improvement from agricultural residues	Riga Technical university, Faculty of Sciences and Technology, Institute of Biomaterials and Bioengineering,	Latvia
		14.00–14.15	Raminta Skipitytė Does inoculation help to fix atmospheric nitrogen in soybean (<i>Glycine max</i>) growing in a cold climate?	Lithuanian Research Centre for Agriculture and Forestry, Institute of Agriculture	Lithuania
		14.15–14.30	Žydrė Kadžiulienė Legume-rich leys enhance agronomic benefits and other ecosystem services into agroecosystems	Lithuanian Research Centre for Agriculture and Forestry, Institute of Agriculture	Lithuania
		14.30–14.45	Zahra Bitarafan Climate changes require adjustment of glyphosate doses to achieve the same control level of noxious weeds	Norwegian Institute of Bioeconomy Research, Division of Biotechnology and Plant Health	Norway
		14.45–15.10	Group photo and coffee 2		
			Moderators: Dr Olga Sokolova and Dr Silvia Gaiani		
Flash 1	grand hall	15.10–15.15	Jurga Jančauskienė Sustainable farming practices: harnessing biostimulants for enhanced crop and weed management	Nature Research Centre, Laboratory of Plant Physiology	Lithuania
		15.15–15.20	Gunita Bimšteine Haplotype diversity and molecular phylogeny within <i>Alternata</i> and <i>Arborescens</i> lineages from tomatoes	Latvia University of Life Sciences and Technologies	Latvia
		15.20–15.25	Liudmyla Kozeko Response of psammophytes <i>Secale sylvestre</i> Host and <i>Alyssum desertorum</i> Stapf to soil flooding	1 M.G. Kholodny Institute of Botany, NAS of Ukraine 2 Nature Research Centre	Ukraine
		15.25–15.30	Silvia Gaiani A database for Nordic Baltic sustainable food systems	Ruralia Institute, University of Helsinki	Finland
		15.30–15.35	Olga Sokolova Evaluation of apple scab susceptibility in 'Gala' cultivar on ten different rootstocks	Institute of Horticulture	Latvia
		15.35–15.40	Jānis Kaņeps Genetic diversity of <i>Pyrenophora tritici-repentis</i>	Latvia University of Life Sciences and Technologies	Latvia
		15.40–15.45	Laila Dubova Effect of Soil Tillage System on Soil Microbiological Activity	Latvia University of Life Sciences and Technologies	Latvia
		15.45–16.00	NJF recognition ceremony		
		16.00–21.00	Conference dinner		
			October 9th		
		8.30–9.00	Registration		
			Moderators: Acad. Prof. Dr Baiba Rīvža and Dr Linās Stabingis		
PLENARY SESSION II	grand hall	9.00–9.30	Ainis Lagzdins Challenges and solutions to reduce nutrient losses and transport from agricultural areas	Latvia University of Life Sciences and Technologies	Latvia
		9.30–10.00	Lillian Øygarden Climate change – new challenges and need of adaptation strategies for Nordic- Baltic agricultural production systems*	Norwegian Institute of Bioeconomy Research	Norway
		10.00–10.15	coffee 3		
			Moderators: Dr Neringa Rasiukevičiūtė and Dr Lillian Øygarden		
Section 4	grand hall	10.15–10.30	Livija Zarina Effectiveness of microbial fertilizer to replace synthetic nitrogen	Institute of Agricultural Resources and Economics,	Latvia
		10.30–10.45	Erik Alexandersson UPSCALE – Upscaling crop performance monitoring by linking satellite and field biosignatures	Swedish University of Agricultural Sciences, Department of Plant Breeding	Sweden
		11.05–11.20	Ona Auškalnienė Weed control perspective in the context of sustainable agriculture	Lithuanian Research Centre for Agriculture and Forestry, Institute of Agriculture	Lithuania
		11.20–11.35	Thomas Bawin Growth and Spectral Response of Northern and Southern Forage Cultivars Under Variable Temperature Regimes	The Arctic University of Norway, Department of Arctic and Marine Biology	Norway
		11.35–11.50	Skaidrė Supronienė Relationship between soil carbon pools and aggregate stability under No-till and Diversified Agricultural Management Practices	Lithuanian Research Centre for Agriculture and Forestry, Institute of Agriculture	Lithuania
		11.50–12.05	Neringa Matelionienė Assessing the sensitivity of <i>Fusarium</i> spp. from crops and weeds to triazole fungicides	Lithuanian Research Centre for Agriculture and Forestry, Institute of Agriculture	Lithuania
			Moderators: Dr Agnė Veršulienė and Prof. Dr Ainis Lagzdins		
Section 5	small hall	10.15–10.30	Kęstutis Venšlauskas Life cycle assessment of fish by-products processing and utilisation	Vytautas Magnus University, Agriculture Academy,	Lithuania
		10.30–10.45	Furkan Yigit The Role of Entrepreneurial Risk Taking in Farm Profitability and Growth: The Influence of Farm and Farmer Characteristics	University of Helsinki, Faculty of Agriculture and Forestry, Department of Economics and Management	Finland
		11.05–11.20	Christian Andreasen Laser weeding: A technological solution for a cleaner environment	University of Copenhagen, Department of Plant and Environmental Sciences	Denmark
		11.20–11.35	Agnė Veršulienė Impact of cereal/legume intercropping system on physical cereal root parameters and C sequestration	Center for Physical Sciences and Technology, Department of Nuclear Research, Isotopic Research Laboratory,	Lithuania
		11.35–11.50	Liudmyla Kozeko Foliar application of proline and GABA modulates chaperone system response to drought in <i>Arabidopsis thaliana</i>	1 M.G. Kholodny Institute of Botany, NAS of Ukraine 2 Nature Research Centre	Ukraine
		11.50–12.05	Inga Morozova Impact of green manure mixtures on winter wheat yield in organic farming	Institute Agricultural Resources and Economics	Latvia
		12.05–13.05	Lunch		
			Moderators: Dr Karolina Barčauskaitė and Dr Karoliina Rimhanen		
Section 6	grand hall	13.05–13.20	Karolina Barčauskaitė Plant Nutrient Recovery from Secondary Raw Materials: Applications and Risk Assessment	Lithuanian Research Centre for Agriculture and Forestry, Institute of Agriculture	Lithuania
		13.20–13.35	Gražina Kadžienė Soil properties and wheat productivity in the headlands and non-compacted field in two different soil types.	Lithuanian Research Centre for Agriculture and Forestry, Institute of Agriculture	Lithuania
		13.35–13.50	Neringa Rasiukevičiūtė InNoBaHort – Nordic-Baltic horticulture: innovative and sustainable	Lithuanian Research Centre for Agriculture and Forestry, Institute of Horticulture	Lithuania
		13.50–14.05	Amer Ait-Sidhoum Dairy farmers' perceptions on nutritional measures reducing greenhouse gas emissions in Finnish milk production	Natural Resources Institute Finland, Business Economics	Finland
		14.05–14.15	Karoliina Rimhanen How dairy production adapts to warmer conditions: making the future more tangible through climate change adaptation-stories	Natural Resources Institute Finland	Finland
			Moderators: Dr Livija Zarina and Dr Alma Valiuskaitė		
Flash 2	grand hall	14.15–14.20	Ahmed Aldow Predicted changes in distribution and richness of crop wild relatives under climate change scenarios in Northeast Africa	School of Biosciences, University of Birmingham	United Kingdom
		14.20–14.25	Alma Valiuskaitė Calcium effect on lettuce <i>Alternaria</i> spp. growth in vitro	Lithuanian Research Centre for Agriculture and Forestry, Institute of Horticulture	Lithuania
		14.25–14.30	Ameer Hamza Evaluating the effect of liming and manuring on composition and stability of soil aggregates in an acidic soil over 50 years period	Lithuanian Research Centre for Agriculture and Forestry, Institute of Agriculture, Vezaicium Branch	Lithuania
		14.30–14.35	Aviles Monica Carbon dioxide emissions with conventional nitrogen fertilization and impact on soil fertility by burning waste in wheat production in Baja California, Mexico	Autonomous University Of Baja California,	México
		14.35–14.40	Neringa Rasiukevičiūtė Alternative plant protection strategy for strawberry quality improvement	Lithuanian Research Centre for Agriculture and Forestry, Institute of Horticulture	Lithuania
		14.40–14.45	Azka Javaid Green Clean-up Strategy for the Removal of Contaminants from Water Using Bacterial Isolates as Biosorbent	University of Wah	Pakistan
		14.45–14.50	Ahmed Salah Ahmed Comprehensive analysis of the effect of renewable energy on the stability of the environment	Cairo University	Egypt
		14.50–14.55	Ewunetu Tazebewa Traditional smallholder plantation charcoal production system improvements for sustainable charcoal production and low carbon emissions in the subtropical	University of Gondar, College of agriculture and environmental Science	Ethiopia
			Moderators: Dr Gražina Kadžienė and Dr Shervin Hadian		
Flash 3	small hall	14.15–14.20	Greta Paulauskienė Maximum yield potential in the context of sustainability. Is it compatible?	Lithuania	Lithuania
		14.20–14.25	Elżbieta Jankovska-Bortkevič The effect of proline, putrescine and DFMA on the response to the increasing low temperature stress in Brassica napus	Laboratory of Plant Physiology, Nature Research Centre	Lithuania
		14.25–14.30	Giedrius Žitraitis Long-term straw management and tillage for climate resilience in agroecosystems sustainability	Vytautas Magnus University, Agriculture Academy,	Lithuania
		14.30–14.35	Mariam Zareyan Physiological and genetic reactions of winter wheat to drought under the influence of probiotic microorganisms and calcium	Nature Research Centre, Laboratory of Plant Physiology	Lithuania
		14.35–14.40	Yeganeh Arablousabet Possibilities to Enhance Soil Moisture and Nutrient Retention Using Air Nanobubble-Saturated Water	Department of Water Engineering, Vytautas Magnus University	Lithuania
		14.40–14.45	Omar Aweis Ali Transforming Lignocellulosic Biomass into Valuable Bioresources: Pathways towards Development of Sustainable Bioeconomy	Darul Hikmah University, School of Maritime studies and Marine Science	Somalia
		14.45–14.50	Sasan Aliniaieifard PhotoRhizomaster: high throughput phenotyping system based on chlorophyll fluorescence imaging for studying stress responses	University of Tehran, Photosynthesis Laboratory, Department of Horticulture, Aburrahan Campus	Iran
		14.50–14.55	Enock Asante Osei Inter-monthly Variability of Pineapple (<i>Ananas comosus</i> , MD2) Plant Water Requirement in Ghana: Implications for Planting Period Adjustment	University for Development Studies	Ghana
		14.55–15.15	coffee 4		
		15.15–15.40	Closing ceremony		
		16.00–18.00	Conference tour		