



84<sup>th</sup> International Scientific  
Conference of the  
University of Latvia 2026



LATVIJAS  
UNIVERSITĀTE

## Inovātīvie un lietišķie pētījumi bioloģijā / Innovative and applied research in Biology

Trešdiena, 2026. gada 15. aprīlī, plkst. 9.00  
Zinātnes mājā, 105. auditorija, Jelgavas ielā 3, Rīga / tiešsaiste

Wednesday, 15 April 2026, 9.00 a.m  
House of Science, 105 room, Jelgavas street 3, Riga / online

### Programma | Programme

#### 9.00–9.05 **Sekcijas atklāšana | Opening speech**

Arturs Stalažs | Director of University of Latvia FMLS Institute of Biology

#### 9:05–10.30 **Sesija 1 | Session 1**

Vadītājs | Chair: Prof. Īzaks Rašals

9:05–9.20 **Dmitri Gudkov**  
Institute of Hydrobiology of the NAS  
of Ukraine

**Radiocological state of fish populations in the Chernobyl Exclusion Zone: current levels of radionuclide contamination and absorbed dose rate assessment**

9.20–9.35 **Dalius Butkauskas**  
University of Latvia FMLS Institute of  
Biology

**The possible impact of chronic ionizing radiation on genetic diversity of European perch (*Perca fluviatilis*) and Roach (*Rutilus rutilus*) populations from Chernobyl Exclusion Zone and Latvia**

9.35–9:50 **Paulina Varnaitė**  
Vilnius University

**Genetic diversity of *Salmo trutta* subspecies in three Lithuanian rivers**

9.50–10.05 **Eva Rūkštelytė**  
State Scientific Research Institute  
Nature Research Centre

**The intraspecific genetic diversity of Eurasian woodcock (*Scolopax rusticola*) using mitochondrial DNA control region sequences**

10.05–10.20 **Elza Marija Zacmane**  
UL FMLS Institute of Biology

**Stable isotopes reveal low prevalence of moult migration of common starlings (*Sturnus vulgaris*) in the Baltic**

10.20–10.30 **Oskars Keišs**  
UL FMLS Institute of Biology

**Involvement of volunteers and schools in research of common starling (*Sturnus vulgaris*) in Latvia steps from citizen to fundamental science**

10.30–11.00 **Kafijas pauze, diskusijas/Coffee break, discussions**

<b>11:00–12.30</b>	<b>Sesija 2   Session 2</b> Vadītājs   Chair: Dr. biol. Dalius Butkauskas	
<b>11.00–11.15</b>	<b>Sotira Lukia Nicolaou</b> Vytautas Magnus University	<b>Assessing the diversity patterns off marine coastal building vermetids across Cyprus' coast, based on genetic data</b>
<b>11.15–11.30</b>	<b>Dovilė Laisvūnė Bagdonaitė</b> SSRI Nature Research Centre	<b>Prevalence of <i>Sarcocystis</i> spp. in the blood of yellow-necked mouse and common vole from Lithuania</b>
<b>11.30–11.45</b>	<b>Evelina Maziliauskaitė</b> Nature Research Centre	<b>Preliminary study on the environmental occurrence of <i>Toxocara canis</i> eggs in soil and sand samples from Lithuania</b>
<b>11.45–12.00</b>	<b>Shreeram Yeladahalli Kalayya</b> Vytautas Magnus University	<b>Detection of tick-borne bacteria in American mink (<i>Neogale vison</i>) in Lithuania</b>
<b>12.00–12.15</b>	<b>Georgina Mur Ruiz</b> Vytautas Magnus University	<b>Molecular detection of <i>Bartonella</i> spp. and <i>Rickettsia</i> spp. in <i>Ctenocephalides felis</i></b>
<b>12.15–12.30</b>	<b>Anusiya Panneerselvam</b> Vytautas Magnus University	<b>Influence of intracellular molecule enriched different pulsing media on cellular survival after electroporation</b>
<b>12.30–13.00</b>	<b>Kafijas pauze, diskusijas / Coffee break, discussions</b>	
<b>13:00–14.30</b>	<b>Sesija 3   Session 3</b> Vadītājs   Chair: Prof. Īzaks Rašals	
<b>13.00–13.15</b>	<b>Laura Āboliņa</b> UL FMLS Institute of Biology	<b>Substrate moisture and nutrient supply effects on cloudberry propagation</b>
<b>13.15–13.30</b>	<b>Līvija Zariņa</b> Institute of Agroresources and Economics	<b>Use of biostimulants as cultural measures for weed control</b>
<b>13.30–13.45</b>	<b>Kristaps Neiberts</b> UL FMLS Institute of Biology	<b>Frost damages mitigation with bioprotective <i>Pseudomonas</i> sp. environmental isolates</b>
<b>13.45–14.25</b>	<b>Short Poster presentations (1-24) (max 2 min)</b>	
<b>14.25–14.30</b>	<b>Noslēgums, diskusijas Conclusions, discussions</b>	

### Posters

1. **Adrijana Bencevičiūtė**  
Vilnius University  
**Initial comparative research of Eurasian perch (*Perca fluviatilis*) populations in Latvia and Ukraine using mtDNA ATP6-D-loop marker**
2. **Livija Macinskaitė**  
Vytautas Magnus University  
**Mitochondrial phylogeography of the European pine marten (*Martes martes*) with emphasis on the Baltic region**
3. **Paula Marta Muceniece**  
University of Latvia FMLS BI  
**Genetic structure analysis of the mottled grasshopper *Myrmeleotettix maculatus* (Thunberg, 1815) population in grey dunes**

4. **Evelina Slavnova**  
University of Latvia FMLS BI  
**Non-invasive mitochondrial DNA analysis reveals genetic connectivity and emerging population structure in western capercaillie (*Tetrao urogallus*) in Latvia and Lithuania**
5. **Krista Gabriela Lielnora**  
University of Latvia FMLS BI  
**Pollinator species diversity in the Nature Reserve Randu Meadows**
6. **Liliana Ciekure**  
University of Latvia  
**Long term effect of a low frequency magnetic field (50 Hz, 450  $\mu$ T) on the model organism *Drosophila melanogaster***
7. **Mingailė Stanionytė**  
Life Sciences Center, Vilnius University  
**A combined microscopic and molecular investigation of sarcocystis species in cattle from Lithuania**
8. **Naglis Gudiškis**  
Nature Research Centre  
**First molecular characterization of *Sarcocystis bertrami* in Lithuanian horses**
9. **Ugnė Medikaitė**  
Vytautas Magnus University  
**Zoonotic pathogens identified in ectoparasites of red foxes (*Vulpes vulpes*)**
10. **Evelina Juozaityte-Ngugu**  
Nature Research Centre  
**Occurrence of *Toxocara* spp. in wild canids in Lithuania: a preliminary investigation**
11. **Darija Trekailo**  
Nature Research Centre  
**Molecular analysis of parasites in Vilnius urban soil samples**
12. **Violeta Šataitytė**  
Vytautas Magnus University  
**Fauna of Mesostigmata mites from small mammals in suburban habitats from Lithuania**
13. **Liveta Brazauskaitė**  
Vytautas Magnus University  
**Tick-borne pathogens in European polecats (*Mustela putorius*) from Lithuania**
14. **Paulina Maceinaitė**  
Vytautas Magnus University  
**Diversity of *Bartonella* in bats and host associations revealed by gltA gene analysis**
15. **Kristians Jauga**  
University of Latvia FMLS BI  
**Preliminary analysis of the bacterial community of the forest pest *Ips typhographus***
16. **Rūta Katrīna Berga**  
University of Latvia Botanical Garden  
**Screening of iPBS molecular markers for genetic diversity analysis of *Rhododendron kotschyi* Simonk. populations**
17. **Katrīna Andriūniene**  
University of Latvia  
**Changes in leaf cell genome ploidy of cloudberry (*Rubus chamaemorus*) populations under different growth conditions**
18. **Tomass Tumpelis**  
UL FMLS Institute of Biology  
**Effect of microwave-assisted microalgal extracts on germination and seedling morphological characteristics of white mustard (*Sinapis alba*)**
19. **Oto Jēkabs Apse**  
University of Latvia FMLS BI  
**Valorization of tomato hydroponic wastewater by mixotrophic cultivation of microalgae**
20. **Irina Sivicka**  
Latvia University of Life Sciences and Technologies  
**Antimicrobial evaluation of three organic processed juices from *Curcuma longa* L.**
21. **Dmitry Babarykin** Institute of Innovative Biomedical Technology  
**Ultrafiltration as a way to increase the efficiency of functional food**
22. **Regina Losinska-Sičiūnienė**  
Nature Research Centre  
**Influence of environmental factors (light and temperature) on beta-carotene production in *Rhodotorula* spp.**

**23 Ineta Salmane**  
University of Latvia FMLS BI

**Enhancing the sensitivity of the QBS-ar index in Latvian agroecosystems: preliminary results to refining eco-morphological approach to soil mite (Acari) classification**

**24 Kerija Kate Kaša**  
University of Latvia FMLS BI

**Assessing soil biological diversity across agricultural management gradient**

