



**78th International Scientific Conference of the University of Latvia  
“Innovative and applied research in Biology”**



**Data: January 30, 10:00 – 16:00. Place: Jelgavas street 1, Riga, room 223**

## **Programm**

**10: 30 – 10: 35**

**Opening / Ievadvārdi**

**10: 35 – 12: 30**

**Section I / Sekcija I**

**Elmīra Boikova**

**Development of nature protection plan for protected landscape area “Augšdaugava”/Elmīra Boikova, Jolanta Bāra/**

**Gunta Čekstere**

**De-icing salt contamination in street greeneries: responses of lime trees (*Tilia* sp.) and impact on the arthropods’ communitie /Gunta Čekstere, Dalinda Bouraoui, Anita Osvalde, Laura Āboliņa, Andis Karlsons, Sergio Rasmann & Pierre Vollenweider/**

**Ineta Salmane**

**New Eriophyidae mite (Acari, Prostigmata) species found on black-currant in Latvia /Ineta Salmane, James Amrine & Laura Ozolina-Pole /**

**Ronalds Krams**

**Ecological Stoichiometry: A Link Between Developmental Speed and Physiological Stress in an Omnivorous Insect /Ronalds Krams, Tatjana Krama, Giedrius Trakimas, Raine Kortet, Shahi Haque, Severi Luoto, Sarah Eichler Inwood, David M. Butler, Priit Jõers, Dror Hawlena, Markus J. Rantala, Didzis Elferts, Jorge Contreras-Garduño & Indrikis Krams/**

**Linda Uzule**

**Hydrobiological and hydromorphological assessment of lake Līdzole /Linda Uzule, Ilga Kokorīte, Dāvis Ozoliņš, Jolanta Jēkabsons, Ivars Druvietis, Ineta Aršauska, Vita Līcīte/**

**Ivo Dinsbergs**

**Changes and trends of Passerine bird species since 1992 on autumn migration at Baltic Seacoast near Pape, Latvia /Ivo Dinsbergs, Oskars Keišs/**

**Vintulis Viesturs**

**Wind turbines and protection of bat species. Is "green energy" always green? /Viesturs Vintulis/**

**12: 15 – 12: 45**

**Cafe break / Kafijas pauze**



**12: 45 – 13: 10**

**Poster section**

- Kārlis Žagata** **Relation between level of methylation of promoter of the plastocyanin gene (*petE*) and formation of barley green plants *in vitro*** /Kārlis Žagata, Dace Grauda, Isaak Rashal/
- Alesya Kruchonok** **Cloudberry (*Rubus chamaemorus* L.) as a source of antioxidants, potential of populations in Latvia and Belarus** /Alesya Kruchonok, Yana Strah, Nikole Krasņevska, Boris Anoshenko, Isaak Rashal, Dalius Butkauskas, Vladimir Titok, Dace Grauda/
- Alesya Kruchonok** **Characteristics of *Dianthus arenarius* L. s.l. populations in different localities in Latvia** /Alesya Kruchonok, Nikole Krasņevska, Boris Anoshenko, Vladimir Titok, Dace Grauda/
- Svetlana Vasiljeva** **The effect of fractionated by ultrafiltration method red beetroot juice intake on physical strength and endurance of laboratory rats** /Svetlana Vasiljeva, Dmitry Babarykin, Gaļina Smirnova, Natālija Basova, Anna Fedotova/
- Viesturs Vīgants** **A review of Common Pochards (*Aythya ferina*) breeding distribution changes in Latvia (1958-2019)** /Viesturs Vīgants, Antra Stīpniece, Māra Janaus, Andris Dekants, Oskars Keišs/

**13: 10 –15:00**

**Section II / Sekcija II**

- Karīna Juhņeviča-Radenkova** **Edible coatings for berries: An innovative, perspective and environmentally-friendly approach to berry storage** /Karina Juhņeviča-Radenkova, Vitalijs Radenkovs, Dalija Segliņa, Inta Krasnova, Pāvels Semjonovs, Sergejs Koļesovs, Pēteris Zikmanis, Maija Rukliša/
- Ilva Trapina** **Investigation of genetic variants of immunoproteasome genes in Latvian population** /Ilva Trapina, Kristīne Dokāne, Natalia Paramonova/
- Dace Grauda** **Development of methods for biotextile testing** /Dace Grauda, Dalius Butkauskas, Regina Vysniauskiene, Vida Ranceliene, Adomas Ragauskas, Līga Jankevica, Nikole Krasņevska, Andra Miķelsone, Kārlis Žagata, Elīna Ažēna, Tūrs Selga, Valters Gobiņš, Ilze Dubova, Inga Lashenko/
- Dalius Butkauskas** **Identification and Application of Informative Genetic Markers in studies of Genetic Diversity of Experimental and Wild Populations of *Lemna minor*** /Dalius Butkauskas, Dace Grauda, Regina Vysniauskiene, Vida Ranceliene, Ieva Ignataviciene/
- Līga Jankevica** **Adaptation of techniques for testing antimicrobial properties of amber nano and micro size particles** /Līga Jankevica, Ilze Dubova, Agnija Apine, Dace Grauda/
- Antons Kolodinskis** **Research on effects of long-time exposure of 50 Hz electromagnetic fields on water plants *Lemna minor* L. growth** /Antons Kolodinskis, Līga Jankevica, Dace Grauda, Andra Mikelsone, Kārlis Žagata/

**15: 00 – 15: 20**

**Cafe break / Kafijas pauze**

**15: 20 – 15: 40**

**Discussion / Noslēguma diskusija**