LATVIJAS UNIVERSITĀTE

79. Latvijas Universitātes starptautiskā zinātniskā konference

Inovatīvie un Pielietojamie Pētījumi Bioloģijā

Innovative and Applied Research in Biology

Piektdien, **2021. gada 5. februārī plkst. 10.00**, tiešsaistē

Friday, **5 February 2021, 10.00 AM**, online

Programma/Programme

Vadītājs/Chair: Dr. Liga Jankevica		
10.00–10.05	***Līga Jankevica*** *Institute of Biology, University of Latvia*	**Atklāšana** **Opening**
10.05–10.20	**Liene Auniņa**	**Vegetation changes in extremely rich fens in Latvia**
10.20–10.35	**Elmīra Boikova**	**Protected water habitats in the landscape area "Augšdaugava"**
10.35–10.50	**Alesia Kruchonok**	**Morphological characteristics of the cloudberry (*Rubus chamaemorus* L.) leaf blade under various conditions in the Belarusian and Latvian populations**
10.50–11.05	**Nikole Krasņevska**	**Genetic diversity of cloudberry *Rubus chamaemorus* L. populations in Latvia and Belarus based on different molecular marker systems**
11.05–11.20	**Sandra Dombrovska**	**The comparison of genetic diversity of the white clover (*Trifolium repens* L.) from the population of Europe**
11.20–11.35	**Sergejs Koļesovs**	**Bacterial cellulose production on whey – an overview of prospects**
Posters (3 min presentation + 2 min questions**)***		
Vadītājs/Chair: Prof., Dr. Isaak Rashal (technical assistance Dr. Uģis Kagainis)		
11.35–11.40	**Eglė Rudaitytė-Lukošienė**	**Identification of *Sarcocystis* spp. in intestine of American mink using molecular *COI* analysis**
11.40–11.45	**Petras Prakas**	**Evidence of the genetic divergence of the European Turtle Dove (*Streptopelia turtur)***
11.45–11.50	**Mihails Pupins**	**An innovative method for the estimation of adult anuran amphibians minimum density from a large-scale audial survey**
11.50-11.55	**Mihails Pupins**	**Invasive fish *Perccottus glenii* in the Protected landscape area "Augsdaugava": triggers of the invasion, threats to rare**

		herpetofauna and proposed control measures
11.55-12.00	Mihails Pupins	Skin microbiome of released European pond turtles (*Emys orbicularis* (L.)) in Silene nature park NATURA2000, Latvia
12.00-12.05	Mihails Pupins	Parasites of the invasive Chinese sleeper (*Perccottus glenii*) in Latvia and Ukraine
12.05-12.10	Tatsiana Shlapakova	Elemental composition of seeds of representatives of the genus *Turbinicarpus* (Backeb.) Buxb. et Backeb.
12.10–12.15	Natalia Samokhvalova	Genetic diversity of populations of the rare species *Cypripedium calceolus* L. in the Belarus
12.15-12.20	Aleksandrs Petjukevics	The use of ten pairs of polymorphic microsatellite primers for selection and optimization the most suitable for future evaluation of genetic diversity of local populations of *Elodea canadensis* (Michx.) in Latvia
12.20–13.00	Coffee break, discussions	
Vadītājs/Chair: Dr. Dmitry Telnov		
13.00-13.15	Evita Rostoka	Seasonal changes in nitric oxide production laboratory rats
13.15–13.30	Dalius Butkauskas	Experimental evidence of the impact of low frequency electromagnetic field on the reproductive success of fruit fly *Drosophila melanogaster* and its potential to generate new point mutations at some candidate genes
13.30–13.45	Evelina Juozaitytė-Ngugu	*Sarcocystis* species identification in muscles of birds from Spain
13.45-14.00	Uģis Kagainis	Use of a modern SEM imaging towards a complete revision of the checklist of Latvian armoured mites (Acari: Oribatida)
14.00-14.15	Zigmunds Orlovskis	Insect eggs trigger inter-plant systemic acquired resistance and enhanced insect performance
14.15-14.30	Dace Grauda	Testing of bio-textile protection capabilities: immature gametic cells flow cytometry and *Drosophila melanogaster* survival test
14.30 -14.45	Ronalds Krams	Gut microbiome composition variation of the bumblebees *Bombus terrestris* Linnaeus, 1758 in natural and agricultural environments
14.45 -15.00	Ilze Dubova	Adaptation of methods for the determination of biodegradation of biotextiles with amber particles
15.00 -15.30	Noslēgums, diskusijas Conclusions, discussions	

*posters you will see there https://saite.lv/SXeFY