

Dovilė Laisvūnė Bagdonaitė

CONTACT INFORMATION

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EDUCATION

- 2023 – current Nature sciences, Biology (N010).
Doctoral thesis topic: Studies on *Sarcocystis* parasites in the muscles and brain of small mammals, thesis supervisor - dr. Petras Prakas.
Field of research: *Sarcocystis*, parasitology, phylogeny, small mammals, rodents, shrews.
- 2021 – 2023 Vytautas Magnus university, Molecular biology and biotechnology / Masters.
Topic of thesis: Identification of *Sarcocystis* species in the blood samples of domestic sheep (*Ovis aries*).
Research carried out in: Nature Research Centre, Laboratory of Molecular Ecology.
Field of research: *Sarcocystis*, parasitology, phylogeny, identification of species with molecular research methods.
- 2016 – 2020 Vytautas Magnus university, Academy of Education, Biology / Bachelors.
Topic of thesis: Studies on the Biocidal Nature of Yeasts from the Genus *Metschnikowia* with Special Antimicrobial Activity.
Research carried out in: Nature Research Centre, Laboratory of Genetics.
Field of research: yeasts, *Metschnikowia*, pulcherrimin.

RESEARCH INTERESTS

Studies on parasites of the genus *Sarcocystis* in intermediate hosts using morphological and molecular methods. Studies on small mammalian muscle tissues using the digestive method. Microscopy of small mammalian muscle tissues, isolation of detected sarcocysts and DNA extraction. Identification of *Sarcocystis* species using different types of PCR reactions, visualisation of the amplified products on agarose gels, purification and preparation for sequencing, analysis of the resulting DNA sequences.

PUBLICATIONS

1. Marandykina-Prakienė, A., Butkauskas, D., Gudiškis, N., Juozaitytė-Ngugu, E., **Bagdonaitė, D. L.**, Kirjušina, M., Calero-Bernal, R. ir Prakas, P. (2023). *Sarcocystis* Species Richness in Sheep and Goats from Lithuania. *Veterinary Sciences*, 10(8), 520.

PARTICIPATION IN SCIENTIFIC CONFERENCES

1. Šukytė T, Šneideris D, Juozaitytė-Ngugu E, Butkauskas D, Moskaliova D, Vaitiekūnaitė D, **Kovaliūnaitė D**, Prakas P. 2022. Molecular identification of 1 *Sarcocystis* parasites in small intestines of mustelids and Northern goshawk from Lithuania. Lietuvos mikrobiologų draugijos konferencija. *Microbiologija* 2022. April 28-29, Birštonas, Lithuania. <http://www.mikrobiologija.lt/wp-content/uploads/2022/05/Santrauku-knyga-VP.pdf>