

NINA DOMINIKOVIĆ, DVM

Research Assistant

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CURRICULUM VITAE

GENERAL

First name	Nina
Family name	Dominiković
Date and place of birth	June 5, 1996, Belgrade, Serbia
Work address	Department of Biology, Faculty of Veterinary Medicine, University of Belgrade, Bul. Oslobođenja 18, 11000 Belgrade, Serbia
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EDUCATION

2021	DVM, Faculty of Veterinary Medicine, University of Belgrade
2021-	PhD candidate, Faculty of Veterinary Medicine, University of Belgrade

PROFESSIONAL CAREER

2021-2024	Research Trainee, Department of Biology, Faculty of Veterinary Medicine, University of Belgrade
2024-	Research Assistant, Department of Biology, Faculty of Veterinary Medicine, University of Belgrade

PUBLICATIONS

- 3 scientific paper in international SCI journal
- 12 presentations at international and national scientific meeting

AWARDS

2021	First place at the XI mini-congress of the Center for students Scientific Research with the topic: „Investigation of the contamination of landscaped parks in Belgrade with developmental stages of parasites important for animals and people health“
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LABORATORY SKILLS

Molecular techniques	DNA extraction
	RNA extraction
	Gel electrophoresis
	Restriction fragment length polymorphism (RFLP)
	Genomic fingerprint of bacteria using repetitive sequence-based PCR (rep-PCR)
	DNA extraction and purification from agarose gels
	Polymerase chain reaction (PCR)
	Pathogen detection and viral quantification using RT-PCR
	Real-time PCR
	Analysis of gene expression based on quantitative real-time PCR
Other techniques	Light and fluorescent microscopy
	Comet assay
	Basic cytogenetic technics
	Laboratory handling/rearing of bees
	Cultivation of bacteria

LANGUAGE SKILLS

English, German

PARTICIPATION IN PROJECTS

2023-	Project funded by the Science Fund of the Republic of Serbia, #GRANT No. 5455, “Utilization of the food industry waste for improving honey bee health and protecting the environment - Waste2ProtectBees”, program PRISMA (led by Uros Glavinic).
2024-	Bilateral Project Serbia-Germany funded by the Ministry of Science, Technological Development and Innovation of the Republic of Serbia and Deutscher Akademischer Austauschdienst - DAAD "Impact of neglected diseases on managed bee pollinators". Grant No. 337-00-253/2023-05/2

TEACHING EXPERIENCE

Participation in conducting practical lectures	Zoology
	Veterinary Genetics
	Breeding and Care of Honey Bees
	Rearing and Care of Wild and Exotic Animals
	Molecular Genetic Methods in Veterinary Medicine
	Animal husbandry

Scientific articles in peer-reviewed journals:

1. Glavinic Uros, Jovanovic M. Nemanja, **Dominikovic Nina**, Lakic Nada, Ćosić Milivoje, Stevanovic Jevrosima, Stanimirovic Zoran (2024) Potential of wormwood and oak bark-based supplement in health improvement of *Nosema ceranae*-infected honey bees, *Animals*, 14(8), 1195. (IF=3.000)
2. Ristanic Marko, Vuckovic Jelena, **Dominikovic Nina**, Vucicevic Milos, Rajkovic Milan, Bogunovic Danica, Özvegý József (2023) Use of parasitological and molecular methods in *Giardia* sp. detection in animals held in captivity. *Acta Veterinaria-Beograd*, 73 (2), 195-204. (IF=1.000)
3. Bogunović Danica, **Dominiković Nina**, Jovanović Nemanja, Nenadović Katarina, Kulišić Zoran, Ilić Tamara, Stević Nataša (2022) Environmental contamination by parasites in public parks in Belgrade in the context of one health approach, *Acta Veterinaria Belgrade*, 72 (1), 30-44. (IF=1.000)

Publications in international and national meetings

1. Glavinic Uros, Jovanović Nemanja, Blagojevic Jovan, Ristanic Marko, Stevanovic Jevrosima, **Dominikovic Nina**, Stanimirovic Zoran (2022) Use of thymol for *Nosema* control, Book of abstracts, XXIV Symposium of epizootiologist and epidemiologist, 27-29. April 2022. Subotica, Serbia.
2. Stevanovic Jevrosima, Glavinic Uros, Jovanovic M Nemanja, Ristanic Marko, **Dominikovic Nina**, Vejnovic Branislav, Stanimirovic Zoran, (2022) Potential of dietary supplement to enhance hygienic behavior of honey bee colonies and their combat with most common infections. Abstract Book, 9th Congress of Apidology (EurBee 9), Sept 20-22, pp. 164, Belgrade, Serbia.
3. Glavinic Uros, Niketic Mia, Ristanic Marko, Rajkovic Milan, **Dominikovic Nina**, Stevanovic Jevrosima, Stanimirovic Zoran, (2022) Use of fumagillin and *Agaricus blazei* mushroom extract in *Nosema ceranae* control and health improvement of infected honey bees. Abstract Book, 9th Congress of Apidology (EurBee 9), Sept 20-22, pp. 96, Belgrade, Serbia.
4. Stevanović Jevrosima, Glavinić Uroš, Ristanić Marko, Jovanović Nemanja, **Dominiković Nina**, Stanimirović Zoran (2023). Apiterapija – pomoć ili alternativa veterinarskoj medicine. Zbornik radova i kratkih sadržaja, 34. Savetovanje veterinara Srbije, Sept 07-10, pp. 279-289, Zlatibor, Srbija.
5. Tarić Elmin, Becskei Zsolt, Kovačević Sara, Cukić Nikola, **Dominiković Nina**, Savić Mila, Dimitrijević Vladimir (2023) Značaj zuba u proceni starosti kopitara i malih preživara. Zbornik radova i kratkih sadržaja, 34. Savetovanje veterinara Srbije, Sept 07-10, pp. 581-585, Zlatibor, Srbija.
6. Uros Glavinic, Marko Ristanic, Milan Rajkovic, Stefan Jelusic, **Nina Dominikovic**, Jevrosima Stevanovic, Zoran Stanimirovic (2024) The potential of Ame-711 continuous honey bee cell line in genotoxicology research. Abstract Book, 10th Congress of Apidology (EurBee 10), Sept 16-19, pp. 155, Tallinn, Estonia.
7. Stefan Jelusic, Marko Ristanic, Uros Glavinic, **Nina Dominikovic**, Jovan Blagojevic, Jevrosima Stevanovic, Zoran Stanimirovic (2024) Enhancing honey bee health: *Agaricus bisporus* protective effect in chemically and biologically induced stress. Abstract Book, 10th Congress of Apidology (EurBee 10), Sept 16-19, pp. 203, Tallinn, Estonia.
8. Ristanić Marko, Zorc Minja, Glavinić Uroš, **Dominiković Nina**, Blagojević Jovan, Jelisić Stefan, Stanimirović Zoran (2024) Primena SNP čip panela u selekciji goveda za naprednu

reproduktivnu efikasnost. Zbornik predavanja, 15. Naučni simpozijum, 17-20. oktobar, 27-41, Divčibare, Srbija.

9. Tarić Elmin, Bečkei Žolt, Savić Mila, Trailović Ružica, Kovačević Sara, **Dominiković Nina**, Dimitrijević Vladimir (2025) Izazovi očuvanja genetičkih resursa autohtonih rasa u Srbiji: Trenutno stanje i perspektive. Peti regionalni simpozijum Zaštita agrobiodiverziteta i očuvanje autohtonih rasa domaćih životinja, Dimitrovgrad, 19-21. jun 2025, 3-13.
10. Kovačević Sara, Dimitrijević Vladimir, Gáspárdy András, Savić Mila, Trailović Ružica, Tarić Elmin, Čobanović Nikola, **Dominiković Nina**, Paskaš Snežana, Rašeta Mladen, Cekić Bogdan, Becskei Zsolt (2025). Morphometric analysis and sex dimorphism of the autochthonous Lipe sheep, Danubian animal research genetics, 10 (2), 67-75.
11. Tarić Elmin, Becskei Zsolt, Savić Mila, **Dominiković Nina**, Kovačević Sara, Vejnović Branislav, Janjić Jelena, Cekić Bogan, Rašeta Mladen, Paskaš Snežana, Dimitrijević Vladimir (2025) Strengthening the sustainability of Sjenica sheep, Danubian Animal Genetic Resources, 10 (1), 19-24.
12. **Dominiković Nina**, Becskei Zsolt, Tarić Elmin, Kovačević Sara, Savić Mila, Paskaš Snežana, Rašeta Mladen, Dimitrijević Vladimir (2025) The Water buffalo (*Bubalus bubalis*) as an autochthonous genetic and dairy resource in Republic of Serbia, Danubian Animal Genetic Resources, 10 (2), 59-66.