ALEKSA MIJATOVIĆ, DVM
RESEARCH TRAINEE
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CURRICULUM VITAE

GENERAL

First name	Aleksa
Family name	Mijatović
Date and place of birth	April 3, 2000, Čačak, Serbia
Work address	Department of Biology, Faculty of Veterinary Medicine, University of Belgrade, Bul. Oslobodjenja 18, 11000 Belgrade, Serbia
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EDUCATION

2018 - 2024	DVM, Faculty of Veterinary Medicine, University of Belgrade (average mark 9,84 out of 10)
2024 -	PhD studies at Faculty of Veterinary Medicine, University of Belgrade
2025 -	Specialist academic studies at Faculty of Veterinary Medicine, University of Belgrade

SCHOLARSHIPS

2020 - 2023	Scholarship of Ministry of Education, Science and Technological Development of the Republic of Serbia for gifted students

PROFESSIONAL CAREER

2019 - 2024	Assistant at Petnica research center
2024 -	Associate at Petnica research center
2026 -	Head of Experimental biology and chemistry program at Petnica research center
2025 -	Research trainee, Department of Biology, Faculty of Veterinary Medicine, University of Belgrade

LABORATORY SKILLS

Molecular techniques	DNA and RNA extraction
	Agarose gel electrophoresis
	DNA extraction and purification from agarose gel
	Polymerase chain reaction (PCR)
	Detection and quantification of viral pathogens by RT-PCR
	Real-time PCR
	Gene expression analysis using quantitative real-time PCR
Protein analysis techniques	Protein concentration determination
	Enzyme activity assay
	Protein purification
	Native electrophoresis
	SDS-PAGE
	Western blot
Cell culture techniques	Cultivation, passaging and treatment of insect cell lines (AmE-711)
	Cultivation, passaging and treatment of mammalian tumor and immortalized cell lines (HepG2, C6, A549, BV2)
	Cell viability assays
	Isolation and establishment of primary cell culture (NRCM)
Microbiological techniques	Bacterial cultivation on solid and liquid media
	Antibiogram
	MIC test (minimum inhibitory concentration)
Histological techniques	Sample preparation for light and fluorescence microscopy
	Histochemical and immunohistochemical staining
	Light and fluorescence microscopy
Laboratory animal handling methods	Handling of laboratory mice and rats
	Administration of treatments to laboratory animals
	Intraperitoneal placement of an osmotic pump
	Echocardiography of laboratory mice
	Laboratory handling/rearing of bees
	Collection of honeybee hemolymph and drone semen
	Cultivation of Lotmaria passim
Instrumental analytical methods	High-performance liquid chromatography coupled with mass spectrometry (HPLC-MS)
	Gas chromatography–mass spectrometry (GC-MS)
	Atomic absorption spectrophotometry (flame and graphite furnace)
	UV/Vis spectrophotometry
	Fourier-transform infrared spectroscopy (FTIR)
Other techniques	ELISA
	Comet assay

AWARDS

2021	Award for The Best Student Scientific Research paper on Belgrade University, Biomedical Sciences group
2024	Award for the best graduating student of the Faculty of Veterinary Medicine for the academic year 2023/2024
2025	University of Belgrade Award of Excellence for Outstanding Academic Achievement

INTERNATIONAL TRAINING

February - March 2024	CEEPUS student mobility program at the Clinic for Surgery, Orthopedics and Ophthalmology, University of Zagreb
October 2024	Research internship at the National Institute for Physiological Sciences, Okazaki, Department of Cardiocirculatory Signaling (The Graduate University for Advanced Studies, SOKENDAI)

LANGUAGE SKILLS

English language, French language

MEMBERSHIPS

Veterinary Practicioners Society of Serbia
MENSA Serbia

PUBLICATIONS

Scientific articles in peer-reviewed journals:

1. Ristanić Marko, Glavinić Uroš, Stevanović Jevrosima, Cvetković Tamara, Mijatović Aleksa, Vejnović Branislav, Zoran Stanimirović (2025). Formic Acid-Based Preparation in Varroa destructor Control and Its Effects on Hygienic Behavior of Apis mellifera. Insects. 16(12):1236. **(IF=3.300)**

Publications in international and national meetings

1. Glavinić Uroš, Nakarada Djura, Ristanić Marko, Mijatović Aleksa, Stevanović Jevrosima, Mojović Miloš, Stanimirović Zoran (2026) Bees in pixels: mapping redox processes in live honey bees with in vivo epri. Abstract Book, 11th European Conference of Apidology - EurBee 11, Sept 7-10, p. 186, Bologna, Italy.
2. Ristanić Marko, Glavinić Uroš, Cvetković Tamara, Mijatović Aleksa, Stamenović Jovana, Krivokuća Petar, Stanimirović Zoran (2026). Genomska analiza osobina mlečnosti i znakova selekcije kod holštajn–frizijskih goveda. Zbornik predavanja XLVII Seminar za inovacije znanja veterinara, Beograd, 27. februar 2026, 29- 42.
3. Maletić Milan, Kureljušić Branislav, Vakanjac Slobodanka, Blagojević Jovan, Mijatović Aleksa, Milićević Vesna, Milovanović Bojan (2025) Praktični pristup dijagnostici supkliničkog endometritisa krava. 30. Godišnje savjetovanje doktora veterinarske medicine Republike Srpske (Bosna i Hercegovina), 11-14. jun , Teslić
4. Mijatović Aleksa, Ivanović Saša, Ćupić Miladinović Dejana, Miller Marko, Borozan Sunčica (2023) Inflamatory processes in the liver of rats subacutely treated with chlorpyrifos and the protective effect of vitamin B1. Book of Abstracts 13th International Congress of the Serbian Society of Toxicology & 1. TOXSEE Regional Conference, October 2023, Belgrade Serbia