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## Curriculum vitae

<b>PERSONAL INFORMATION</b>	
First name and family name	Isidora Prošić
Date and place of birth	10.05.1992., Novi Sad, Serbia
Work address	Bulevar oslobođenja 18, 11000, Belgrade, Serbia
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<b>EDUCATION</b>	
2014 – 2020	Integrated Academic Studies, Faculty of Veterinary Medicine, University of Belgrade (grade point average: 9.45)
2020 – now	PhD Studies, Faculty of Veterinary Medicine, University of Belgrade
<b>SCHOLARSHIPS AND AWARDS</b>	
2017.	Dragoljub Marinković Foundation, University Scholarship
2019.	Awarded first place for best student scientific research work presented at 9 <sup>th</sup> Conference of the Student Center for Scientific Research

	Work, Faculty of Veterinary Medicine, University of Belgrade and also presented at the 60 <sup>th</sup> Serbian Students Conference of Biomedical Sciences with International Participation, Kopaonik, Republic of Serbia
<b>PROFESSIONAL EXPERIENCE</b>	
2021 – now	Research Trainee, Department of Microbiology, Faculty of Veterinary Medicine, University of Belgrade
2023 – now	Teaching Assistant, Department of Microbiology, Faculty of Veterinary Medicine, University of Belgrade
<b>TEACHING EXPERIENCE</b>	
2023 – now	Practical lectures on the following subjects: Microbiology and immunology 1 and Microbiology and immunology 2, Department of Microbiology, Faculty of Veterinary Medicine, University of Belgrade
<b>COURSES</b>	
2018.	World Antimicrobial Awareness Week, Faculty of Medicine, University of Belgrade
2018.	PCR in medical and biomedical research, Department for molecular genetics, Research Center Petnica
<b>EXCHANGE PROGRAMS</b>	
2025.	Spent one month at the Faculty of Biotechnology and Food Science, Wrocław University of Environmental and Life Sciences (Poland), as part of the NAWA-PROM short-term academic exchange program, where she participated in the implementation of the project “The influence of xanthohumol on the formation and eradication of biofilms formed by Gram-positive foodborne pathogenic bacteria.”
<b>RESEARCH FOCUS</b>	

- Antimicrobial resistance and antimicrobial alternatives
- Microbiome and bioinformatics tools for microbiome analysis
- Molecular bacteriology

## SKILLS

### Laboratory skills:

Isolation and identification of the bacteria and fungi from different samples using routine diagnostic methods; antimicrobial susceptibility testing of bacteria and fungi; use of molecular methods in clinical microbiology diagnostics, in detection of antimicrobial resistance genes and genotyping (DNA and RNA isolation, gel electrophoresis, PCR and qPCR, Multilocus sequence typing-MLST), plasmid isolation and detection of plasmid antimicrobial resistance genes, plasmid transformation in bacterial cells, serological reactions (agglutination and ELISA), bioinformatics tools in bacterial genome analysis.

### Language skills:

English (C1)  
Spanish (B2)

### Other skills:

- MS Office package
- Adobe Illustrator
- WordPress Website Builder
- Bioinformatics tools and databases (SILVA, Qiime2, Mothur, DADA2, Kraken, MEGA)

## PARTICIPATION IN PROJECTS

- 2021 – now: Institutional project financing of researchers supported by the Ministry of science, technological development and innovation of the Republic of Serbia (Contract no. 451-03-68/2022-14/200143).
- 2022. “Efficacy of tannins in the control of colibacillosis of poultry”, Lead investigator: Dr Dejan Krnjaic; the Serbian Innovation Fund granted an Innovation voucher (number 1157) intended for use by Porcus vitalis d.o.o., Belgrade.
- 2023 – now: „European Network for diagnosis and treatment of antibiotic-resistant bacterial infections (EURESTOP) – COST action: CA21145, project coordinator: Mattia Mori, University of Siena, Italy.
- 2024 – now: „Exploring the Avian Microbial Frontier: Metagenomic Surveillance of Infectious Diseases and Antimicrobial Resistance in Wild Birds (MetAvian)“ - Program for financing project proposals for early stage carrer scientist - PROMIS 2023, Science Fund, Republic of Serbia. Project no: 10945, Lead investigator: Dr Gospava Lazić, Scientific Veterinary Instittue “Novi Sad“.

- 2024. (now) „Examining the impact of tannins on the immune system of broilers under conditions of chronic heat stress“ Lead investigator: Dr Dejan Krnjaic; the Serbian Innovation Fund granted an Innovation voucher (1641) intended for use by Porcus vitalis d.o.o., Belgrade.
- 2024. (now) „Examining the selective impact of tannins from sweet chestnut tree on the poultry microbiome“ Lead investigator: Dr Dejan Krnjaic; the Serbian Innovation Fund granted an Innovation voucher (1642) intended for use by Porcus vitalis d.o.o., Belgrade.

## BIBLIOGRAPHY

### Articles Published in Peer-Reviewed Journals

1. Nisavic Jakov, Radalj Andrea, Milic Nenad, Zivulj Aleksandar, Benkovic Damir, Stanojkovic Aleksandar, **Prosic Isidora**. A review of some important viral diseases of wild. *Biotechnology in Animal Husbandry*, 2021, 37(4), 235–254. <https://doi.org/10.2298/BAH2104235N>
2. Radojicic Marina, Milic Nenad, Krnjajic Dejan, Nisavic Jakov, Radalj Andrea, **Prosic Isidora**. Bacterial, fungal and viral zoonoses of pets. *Veterinarski zurnal Republike Srpske*, 2021, 21(1–2), 94–106. <https://doi.org/10.7251/VETJEN2101094R>
3. Stevanovic Oliver, Milanov Dubravka, **Prosic Isidora**, Gajdov Vladimir, Nedic Drago, Sladojevic Zeljko, Radalj Andrea. Multilocus sequence analysis (MLSA) of a *Nocardia cyriacigeorgica* strain causing severe bovine mastitis in Bosnia and Herzegovina. *Acta Veterinaria Hungarica*, 2023, 71(2), 65–70. <https://doi.org/10.1556/004.2023.00893>  
IF = 0.9 (2022)
4. Nisavic Jakov, Radalj Andrea, Milic Nenad, **Prosic Isidora**, Zivulj Aleksandar, Benkovic Damir, Vejnovic Branislav. PCV2 and PCV3 genotyping in wild boars from Serbia. *Slovenian Veterinary Research*, 2024, 61(4), 263–9. <https://doi.org/10.26873/SVR-1708-2024>  
IF = 0.3 (2023)
5. **Prosic Isidora**, Milcic Matic Natalija, Milic Nenad, Radalj Andrea, Aksentijevic Ksenija, Ilic Milica, Nisavic Jakov, Radojicic Marina, Gajdov Vladimir, Krnjajic Dejan. Molecular prevalence of *MecA* and *MecC* genes in coagulase-positive staphylococci isolated from dogs with dermatitis and otitis in Belgrade, Serbia: a one year study. *Acta Veterinaria-Belgrade*, 2024, 74(1), 117–132. <https://doi.org/10.2478/acve-2024-0009>  
IF = 0.7 (2023)

6. Cilerdzic Milica, Radalj Andrea, Ilic Milica, **Prosic Isidora**, Sekler Milanko, Resanovic Radmila, Krstic Vanja, Zdravkovic Nemanja, Stanojevic Slavoljub, Krnjajic Dejan. The in vitro antimicrobial effects of hydrolysable and condensed tannin extracts on *Escherichia coli* isolated from pathological samples of deceased poultry. *Acta Veterinaria-Belgrade*, 2024, 74(3), 409–429.  
<https://doi.org/10.2478/acve-2024-0028>  
IF = 0.7 (2023)
7. Vucicevic Milos, Pesic Ana, Anicic Milan, **Prosic Isidora**, Galic Natasa, Marinkovic Darko, Krnjajic Dejan. Case study: Salmonella-associated abortions in chinchillas-insights from microbiological and necropsy findings. *Acta Veterinaria-Belgrade*, 2025, 75(1), 132-138.  
<https://doi.org/10.2478/acve-2025-0011>  
IF = 0.7 (2023)
8. Stevanovic Oliver, Despotovic Darko, **Prosic Isidora**, Radalj Andrea, Nedic Drago, Vasic Ana, Ilic Tamara. Morphological and genetic diversity of *Angiostrongylus vasorum*. *Macedonian Veterinary Review*, 2025, 48(2).  
[https://macvetrev.mk/LoadArticleContent?DOI=10.2478\\_macvetrev\\_2025\\_0029](https://macvetrev.mk/LoadArticleContent?DOI=10.2478_macvetrev_2025_0029)  
IF = 0.3 (2025)
9. Benkovic Damir, Nisavic Jakov, Milic Nenad, Krnjajic Dejan, **Prosic Isidora**, Gajdov Vladimir, Stevic Natasa, Sukara Ratko, Balac Martina, Radalj Andrea. Genetic diversity of Canine circovirus detected in wild carnivores in Serbia. *Veterinary Sciences*, 2025, 12(6), 515.  
<https://doi.org/10.3390/vetsci12060515>  
IF = 2.3 (2025)
10. **Prošić Isidora**, Vejnović Branislav, Mišić Dušan, Radalj Andrea, Nikšić Aleksandar, Aksentijević Ksenija, Radojčić Marina, Gajdov Vladimir, Ilić Milica, Milčić Matić Natalija, Krnjajic Dejan. Antibiotic Resistance Patterns of Bacteria Isolated from Canine Skin and Ear Infections in Serbia. *Antibiotics*, 2026, 15(1):21.  
<https://doi.org/10.3390/antibiotics15010021>  
IF = 4.6 (2024)
11. Gajdov Vladimir, **Prošić Isidora**, Kavran Mihaela, Bosilkov Filip, Petrović Tamaš, Konstatinov Jelena, Lazić Gospava. Alignment-Free Machine Learning Serotype Classification of the Dengue Virus. *Viruses*, 2026, 18(3):280.  
<https://doi.org/10.3390/v18030280>  
IF=3.5 (2024)

## Conference Papers

1. Nisavic Jakov, Radalj Andrea, Milic Nenad, **Prosic Isidora**. Viral infections of animals as potential of food-borne risk for public health. *International Congress on Nutrition: “A Place Where Science Meets Practice”*, Book of Abstracts, Belgrade, 8–10 November 2021, p. 119. ISBN 978-86-909633-5-5.

2. Milcic-Matic Natalija, **Prosic Isidora**. Do we need new drugs in therapy of Otitis externa, or do the old ones still work? Book of Abstracts and Conference Proceedings – Third International Conference “Antimicrobial resistance - current state and perspectives”, Novi Sad, 16–18 May 2024, pp. 129–131. ISBN 978-86-7520-610-1.
3. Nisavic Jakov, Radalj Andrea, Milic Nenad, Zivulj Aleksandar, **Prosic Isidora**. Laboratory diagnosis of viral infections in pigs. Proceedings of the 18th Symposium „Pig Health Protection, Selection and Reproduction“, Online Conference, 15–16 October 2021, pp. 65–69. ISBN 978-86-6419-046-6.
4. Radalj Andrea, Milic Nenad, **Prosic Isidora**, Zivulj Aleksandar, Benkovic Damir, Nisavic Jakov. The detection of parvoviruses and circoviruses in wild boar and jackal populations. Proceedings of the 33rd Conference of Veterinarians of Serbia, Zlatibor, 8–11 September 2022, pp. 152–162. ISBN 978-86-83115-47-1.
5. Radojicic Marina, **Prosic Isidora**, Ezved Jozef, Krnjajic Dejan. The importance of disinfection in zoo gardens – penguin aspergillosis (*Spheniscus humboldti*) – case report. Proceedings of the 33rd Disinfection, Disinsection and Deratization Conference – One World One Health, Bajina Basta, 26–29 May 2022, pp. 119–125. ISBN 978-86-83115-46-4.
6. Krnjajic Dejan, Radojicic Marina, Radalj Andrea, **Prosic Isidora**. Conventional and molecular detection of methicillin-resistant *Staphylococcus aureus* (MRSA). Proceedings of the 44th Seminar for Veterinary Knowledge Innovation, Belgrade, 24 February 2023, pp. 111–124. ISBN 978-86-80446-62-2.
7. Radalj Andrea, Milic Nenad, Krnjajic Dejan, **Prosic Isidora**, Ilic Milica, Niksic Aleksandar, Nisavic Jakov. The role of canine herpesvirus 1 (CAHV1) in canine reproductive pathology. XV Scientific Symposium „Animal Reproduction“, Divcibare, 17–20 October 2024, pp. 149–160. ISBN 978-86-80446-72-1.
8. Krnjajic Dejan, **Prosic Isidora**, Radalj Andrea, Ilic Milica, Niksic Aleksandar, Nisavic Jakov. Application of conventional and molecular methods in the diagnosis of dermatophytes. Proceedings of the 45th Seminar for Veterinary Knowledge Innovation, Belgrade, 28 February 2025, pp. 89–103. ISBN 978-86-80446-76-9.
9. Gajdov Vladimir, Kavran Mihaela, **Prosic Isidora**, Konstantinov Jelena, Petrovic Tamas, Lazic Gospava. Application of metagenomics for surveillance of infectious diseases, antimicrobial resistance and analysis of microbial diversity in wild birds. Proceedings of the 27th Symposium of Epizootiologists and Epidemiologists, Kladovo, 10–12 April 2025, pp. 90–91. ISBN 978-86-83115-55-6.
10. Radalj Andrea, Nisavic Jakov, Krnjajic Dejan, Milic Nenad, **Prosic Isidora**. PCR diagnostics of some viruses of wildlife. The application of PCR in the detection of quinolone resistance genes.

Proceedings of the 43rd Seminar for Veterinary Knowledge Innovation, Belgrade, 25 February 2022., pp. 169-180. ISBN 978-86-80446-46-2

11. Radalj Andrea, Milic Nenad, **Prosic Isidora**, Zivulj Aleksandar, Benkovic Damir, Ilic Milica, Nisavic Jakov. The detection of canine adenoviruses in red foxes and jackals. Proceedings of the 34th Conference of Veterinarians of Serbia, Zlatibor, 7–10 September 2023., pp. 405-414. ISBN 978-86-83115-50-1
12. Radalj Andrea, Benkovic Damir, Milic Nenad, Krnjajic Dejan, **Prosic Isidora**, Niksic Aleksandar, Nisavic Jakov. Divergent origins and TMRCA-based insights into canine circovirus in Serbian wild carnivores. Proceedings of the 36th Conference of Veterinarians of Serbia, Zlatibor, 12–14 September 2025., pp. 109-118. ISBN 978-86-83115-57-0
13. Radalj Andrea, Nisavic Jakov, Milic Nenad, Zivulj Aleksandar, **Prosic Isidora**. Molecular characterization of porcine circoviruses 2 and 3 in wild boars in the south banat district. 25th Symposium of Epizootiologists and Epidemiologists, Novi Sad, 24–26 April 2023., pp.88-89. ISBN 978-86-83115-48-8
14. Krnjaic Dejan, Radalj Andrea, **Prosic Isidora**. Monitoring of antimicrobial resistance and antibiotic usage in domestic animals. Proceedings and Abstracts of the 35th Conference of Veterinarians of Serbia. Zlatibor, September 6–8, 2024, pp. 127–143. ISBN 978-86-83115-54-9
15. Radalj Andrea, Milic Nenad, Krnjaic Dejan, **Prosic Isidora**, Ilic Milica, Niksic Aleksandar, Nisavic Jakov. The application of molecular methods in the diagnostics of infections caused by canine adenoviruses. Proceedings of the XLV Seminar for Innovation of Veterinary Knowledge. Belgrade, February 23, 2024, pp. 133–140. ISBN 978-86-80446-68-4
16. Radalj Andrea, Milic Nenad, **Prosic Isidora**, Ilic Milica, Niksic Aleksandar, Benkovic Damir, Nisavic Jakov. The prevalence and characterization of porcine parvovirus 2 in wild boar populations. Proceedings and Abstracts of the 35th Conference of Veterinarians of Serbia. Zlatibor, September 6–8, 2024, pp. 111–120. ISBN 978-86-83115-54-9
17. Anicic Milan, Vucicevic Milos, **Prosic Isidora**, Vucicevic Ivana, Jelisic Stefan, Marinkovic Darko. Fibro-necrotic endometritis and septicemia in chinchillas caused by Salmonella typhimurium. 25th Symposium of Epizootiologists and Epidemiologists, Novi Sad, 24–26 April 2023., pp. 136-137. ISBN: 978-86-83115-48-4
18. **Prosic Isidora**, Milcic-Matic Natalija, Radalj Andrea, Niksic Aleksandar, Ilic Milica, Krnjajic Dejan. Molecular prevalence of methicillin-resistant coagulase-positive staphylococci isolated from canine skin and ears. 26th Symposium of Epizootiologists and Epidemiologists, Banja Koviljaca, 10–12 April 2024., pp. 182-183. ISBN-978-86-83115-52-5

19. Radalj Andrea, Stevanovic Oliver, Milanov Dubravka, **Prosic Isidora**, Gajdov Vladimir, Milic Nenad, Sladojevic Zeljko, Nedic Drago. *Nocardia cyriacigeorgica* strain causing severe bovine mastitis. 26th Symposium of Epizootiologists and Epidemiologists, Banja Koviljaca, 10–12 April 2024., pp. 190-191. ISBN-978-86-83115-52-5
20. **Prosic Isidora**, Radalj Andrea, Gajdov Vladimir, Milanov Dubravka, Micic Jovica, Stevanovic Oliver. Detection of *Scedosporium apiospermum* as a cause of bovine mastitis: a case report. 27th Symposium of Epizootiologists and Epidemiologists, Kladovo, 10–12 April 2025., pp. 202-203. ISBN-978-86-83115-55-6
21. Gajdov Vladimir, Kavran Mihaela, Radalj Andrea, **Prosic Isidora**, Petrovic Tamas, Milicevic Vesna, Ignjatovic-Cupina Aleksandra, Krnjajic Dejan, Nisavic Jakov, Kureljusic Branislav, Kureljusic Jasna, Lazic Gospava, Vasic Ana. Metagenomic analysis of viruses in mosquito populations in the territory of Vojvodina and Belgrade, Serbia. 27th Symposium of Epizootiologists and Epidemiologists, Kladovo, 10–12 April 2025., pp. 86-87. ISBN-978-86-83115-55-6
22. **Prosic Isidora**, Zdravkovic Nemanja, Magas Vladimir, Davitkov Dajana, Niksic Aleksandar, Krstic Vanja, Krnjajic Dejan, Davitkov Darko. Uncommon pathogen in small animal practice: a case of dog splenitis caused by *Clostridium novyi* type b. 27th Symposium of Epizootiologists and Epidemiologists, Kladovo, 10–12 April 2025., pp. 194-195. ISBN-978-86-83115-55-6
23. Maletić Milan, Vakanjac Slobodanka, **Prošić Isidora**, Magaš Vladimir, Ledina Tijana, Spasojević Filip, Milovanović Bojan, Blagojević Jovan. Non-antibiotic strategies for the prevention and therapy of uterine diseases in dairy cows. 16th Scientific Symposium on Animal Reproduction, Proceedings of Lectures, Divčibare, October 16–19, 2025, pp. 23–35. ISBN 978-86-80446-81-3.
24. Radalj Andrea, **Prošić Isidora**, Nikšić Aleksandar, Benković Damir, Krnjaić Dejan, Nišavić Jakov, Stanišić Ljubodrag. Preliminary investigation of the presence of the contagious equine metritis agent in the horse population in Serbia. 16th Scientific Symposium on Animal Reproduction, Proceedings of Lectures, Divčibare, October 16–19, 2025, pp. 155–162. ISBN 978-86-80446-81-3.
25. Gajdov Vladimir, Kavran Mihaela, Petrović Tamaš, Konstatinov Jelena, Bosilkov Filip, **Prošić Isidora**, Lazić Gospava. Generalisable machine learning framework for viral classification based on dinucleotide frequency signatures. 14th International Meeting on Microbial Epidemiological Markers, IMMEM XIV, Porto, 17-20 September 2025. e-library: <https://elibrary.escmid.org/?search%5Border%5D=relevance&search%5Bpage%5D=1&s>

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26. Radalj Andrea, Stanišić Ljubodrag, Nišavić Jakov, Vakanjac Slobodanka, Prošić Isidroa, Nikšić Aleksandar, Krnjaić Dejan. Common infectious causes of mare reproductive disorders: A clinical approach and microbiological diagnostics. Proceedings of the XLVII Seminar for Innovation of Veterinary Knowledge. Belgrade, February 25, 2026, pp. 137–146. SBN 978-86-80446-82-0