



## Curriculum Vitae

**PhD Branislava Mitrović, dr. vet. med.**

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### Personal Information:

- **Full Name:** Branislava M. Mitrović (maiden name: Slavata)
  - **Date and Place of Birth:** August 25, 1973, Belgrade, Serbia
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### Biography

Born on August 25, 1973, in Belgrade, Serbia. Studied and graduated from the Faculty of Veterinary Medicine, University of Belgrade, 1992-1998.

- Master's thesis: "**The examination of the Radioprotective Ability of Ammonium Iron (III) Hexacyanoferrate (II) and Clinoptilolite in Broilers Exposed to Alimentary Contamination with  $^{137}\text{Cs}$** ", 2003, Faculty of Veterinary Medicine, University of Belgrade.
  - PhD dissertation, "**The Efficiency of Natural and Modified Minerals in Uranium Binding Under In Vitro and In Vivo Conditions and Their Potential Application in Protecting Animals from Radioactive Contamination**", 2012, Faculty of Veterinary Medicine in Belgrade.
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### Academic Appointments

- **Teaching Assistant (Radiation Hygiene):** 2000 – 2013.
  - **Assistant Professor:** 2013-2018.
  - **Associate Professor (Radiobiology and Radiation Hygiene, Radioecology):** 2018-2023.
  - **Full Professor (Radiobiology and Radiation Hygiene, Radioecology):** Since December 4, 2018
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### Professional Memberships

- Serbian Veterinary Society
- Society for Radiation Protection of Serbia and Montenegro
- Veterinary Chamber of Serbia (License No. 4537)

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## Textbooks and Manuals

1. **"Radiobiology and Radiation Hygiene"** (Branislava Mitrović) – Approved as the textbook for the subject *Radiobiology and Radiation Hygiene* at the Faculty of Veterinary Medicine, University of Belgrade, 2021. ISBN: 978-86-920303-1-4
  2. **"Practical Manual in Radiobiology and Radiation Hygiene"** (B. Mitrović, V. Andrić, D. Šefer) – Published in 2016, approved as a supplementary textbook. ISBN: 978-86-920303-0-7
  3. **"Practical Manual in Radiobiology and Radiation Hygiene"** (G. Vitorović, B. Mitrović, Z. Sinovec, V. Andrić) – Published in 2007, approved as a supplementary textbook.
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## Courses and Continuing Education

- **IAEA Regional Training Course on Advanced Gamma Spectrometry and Total Alpha/Beta Activity Measurement for Monitoring of Radionuclides in Air** (Belgrade, 2008).
  - **KJM360: Assessing Risk to Man and Environment** (Norway, 2014).
  - **Periodic Knowledge Renewal for Professionally Exposed Persons in Implementing Ionizing Radiation Protection Measures in Veterinary X-ray Diagnostics** (2016, Vinča Institute of nuclear sciences, Serbia).
  - **Training for Work with Open Sources and Qualification for Implementing Ionizing Radiation Protection Measures (Job Class III in Scientific Research)** (2018, Vinča Institute of nuclear sciences, Serbia).
  - **ALMERA Webinar: Session 1: Gamma Ray Spectrometry Basics. Session 2: Gamma Spectrum Analysis and Activity Calculations. Session 3: Efficiency Calibration of HPGe Detectors.** (2021, IAEA, Wien).
  - **Periodic Knowledge Renewal for Exposed Workers in Implementing Radiation Safety Measures When Using Open Sources for Gamma Spectrometric Testing of Environmental Samples**, Certificate 9540/23/JZ-521/PO (2023, Vinča Institute of nuclear sciences, Serbia).
  - **Worldwide Proficiency Test Exercise Webinar - Self-Attenuation Correction** (2024, IAEA, Wien).
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## Research and Scientific Projects

- **Project on Radioecological Indicators in Serbia's Environment** (Ministry of Agriculture, Forestry, and Water Management, 2006)
- **Project on Radiation Safety in Animal Feed Production** (2007)
- **International EUREKA Project: "Measures for Providing Quality and Safety in the Food Chain"** (2008-2010)

- **Innovation Project: "Application of Natural Minerals as Protectors in Poultry Nutrition"** (Ministry of Education, Science, and Technological Development, 2014)
  - **Ongoing Projects on Radiation Protection and Environmental Monitoring**
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## Professional Experience

- **Extensive Gamma Spectrometry Expertise:**  
Over 20 years of experience in gamma spectrometry analysis of radioactive elements, complementing teaching responsibilities.
  - **Accredited Laboratory Engagement:**  
Active involvement in the Accredited Laboratory for Gamma Spectrometry at the Faculty of Veterinary Medicine since 2002.
  - **Leadership Role:**  
From 2014. Head of the Radiation Hygiene Laboratory, Department of Radiology and Radiation Hygiene, Faculty of Veterinary Medicine, University of Belgrade.
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## Scientific Publications

Author or co-author of 99 scientific and professional papers since joining the Faculty of Veterinary Medicine.

Selected Publications (Last 5 Years):

- Branislava Mitrović, Mirjana Stojanović, Živko Sekulić, Velibor Andrić, Mihajlo Vićentijević, Borjana Vranješ (2019): Toxicity of high uranium doses in broilers and protection with mineral adsorbents. *Radiation and Environmental Biophysics*. 58 (3): 385-391.
- Branislava Mitrović, Borjana Vranješ, Olga Kostić, Veljko Perović, Miroslava Mitrović, Pavle Pavlović (2019): Presence of radionuclides and toxic elements in feedstuffs and food on animal origin. *Veterinarski glasnik*, 73 (1), 30-39.
- Dragana J. Todorović, Ivana S. Vukanac, Gordana K. Pantelić, Sofija Forkapić, Branislava M. Mitrović, Jovana S. Ilić, Marija M. Janković, Jelena D. Krneta Nikolić, Milica M. Rajačić, Nataša B. Sarap, Mirjana B. Radenković (2019): Radioekologija i izlaganje stanovništva – prvih 55 godina. *Zbornik radova XXX Simpozijuma Društva za zaštitu od zračenja Srbije i Crne Gore*, 2-4. oktobar, Divčibare, Srbija, pp. 21-27.
- Branislava M. Mitrović, Borjana Vranješ, Olga Kostić, Veljko Perović, Miroslava Mitrović, Pavle Pavlović (2019): Radionuclides and heavy metals in soil, vegetables, and medicinal plants in suburban areas of the cities of Belgrade and Pančevo, Serbia. *Nuclear Technology & Radiation Protection*, 34 (3), 278-284.
- Vranješ Borjana, Milićević Dragan, Šefer Dragan, Stefanović Srđan, Ajtić Jelena, Mitrović M. Branislava (2020): Presence of natural radionuclides and toxic elements in monocalcium phosphate, complete feed and pig manure. *Science of the Total Environment*, vol. 720 <https://doi.org/10.1016/j.scitotenv.2020.137578>

- Branislava M. Mitrović, Dragana Todorović, Jelena Ajtić, Borjana Vranješ (2020): A Review: natural and artificial radionuclides and radiation hazard parameters in the soil of mountain regions in Serbia. *Journal of Agricultural Sciences*, 65 (1): 1-18
  - Branislava Mitrović, Olivera Vitorović, Jelena Ajtić, Borjana Vranješ (2020): Radioactivity in the environment and food chain at Mt. Maljen, Serbia. *Romanian Reports in Physics*, 72, 710 (2020).
  - Mihajlo Vićentijević, Marija Pavlović, Dubravka Vuković, Dragan Živanov, Jelena Ajtić, Branislava M. Mitrović (2022): Radiocesium content in wild boar meat originating from Serbia. *Romanian Reports in Physics* 74, 710.
  - Branislava M. Mitrović, Srđan Stefanović, Dragan Šefer, Dragoljub Jovanović, Jelena Ajtić (2023): The content of ten elements in pig feed and manure and its relationship with element concentration in earthworms on swine farms. *Toxin Reviews*, 1–10.
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## Contact Information

[slavatab@vet.bg.ac.rs](mailto:slavatab@vet.bg.ac.rs)

<https://vet.bg.ac.rs/sr/fakultet/zaposleni/zaposleni-na-fvm/prof-dr-branislava-mitrovic-4966>