

PERSONAL INFORMATION

Biljana Stojanovska Dimzoska



+389 2 3 240745

bsdizozska@fvm.ukim.edu.mk

Sex F | Date of birth 06/04/1974 | Nationality Macedonian

WORK EXPERIENCE

- 2019 - **Senior research associate**
Faculty of Veterinary Medicine- Skopje, Ss Cyril and Methodius University in Skopje, St. Lazar Pop-Trajkov 5-7 Skopje, Republic of North Macedonia; fvm.ukim.edu.mk
- Subjects: Food safety, Residues and contaminants in food and feed, Analytical chemistry in food and feed.
 - Deputy head of the Laboratory for residues and contaminants.
 - Researcher in laboratory for residues and contaminants in food and feed (development and validation of analytical methods for detection of residues and contaminants in food and feed (mycotoxins, coccidiostats, residues of veterinary drugs), accreditation of the methods for food and feed analysis, analysis of samples. Instrumental techniques: ELISA, HPLC-DAD, HPLC-FLD, LC-MS/MS.
- 2014 - 2019 **Research associate**
Faculty of Veterinary Medicine- Skopje, Ss Cyril and Methodius University in Skopje, St. Lazar Pop-Trajkov 5-7 Skopje, Republic of North Macedonia; fvm.ukim.edu.mk
- Subjects: Food safety, Residues and contaminants in food and feed, Analytical chemistry in food and feed.
 - Researcher in laboratory for residues and contaminants in food and feed (development and validation of analytical methods for detection of residues and contaminants in food and feed (mycotoxins, residues of veterinary drugs), accreditation of the methods for food and feed analysis, analysis of samples. Instrumental techniques: ELISA, HPLC-DAD, HPLC-FLD.
- 2008 – 2014 **Assistent researcher**
Faculty of Veterinary Medicine- Skopje, Ss Cyril and Methodius University in Skopje, St. Lazar Pop-Trajkov 5-7 Skopje, Republic of North Macedonia; fvm.ukim.edu.mk
- Subjects: Food safety, Residues and contaminants in food and feed, Analytical chemistry in food and feed.
 - Researcher in laboratory for residues and contaminants in food and feed (development and validation of analytical methods for detection of residues and contaminants in food and feed (mycotoxins, residues of veterinary drugs), accreditation of the methods for food and feed analysis, analysis of samples. Instrumental techniques: ELISA, HPLC-DAD, HPLC-FLD.
- 2004 – 2008 **Junior assistant researcher**
Faculty of Veterinary Medicine- Skopje, Ss Cyril and Methodius University in Skopje, St. Lazar Pop-Trajkov 5-7 Skopje, Republic of North Macedonia; fvm.ukim.edu.mk
- Subjects: Food safety, Residues and contaminants in food and feed, Analytical chemistry in food and feed.
 - Researcher in laboratory for residues and contaminants in food and feed (development and validation of analytical methods for detection of residues and contaminants in food and feed (mycotoxins, residues of veterinary drugs), accreditation of the methods for food and feed analysis, analysis of samples. Instrumental techniques: ELISA, HPLC-DAD, HPLC-FLD.
- 1998 – 2008 **Junior assistant researcher**
Veterinary Institute - Skopje, Ss Cyril and Methodius University in Skopje, St. Lazar Pop-Trajkov 5-7 Skopje, Republic of North Macedonia

- Subjects: Food safety, Residues and contaminants in food and feed, Analytical chemistry in food and feed.
- Researcher in laboratory for residues and contaminants in food and feed (development and validation of analytical methods for detection of residues and contaminants in food and feed (mycotoxins, coccidiostats, residues of veterinary drugs), accreditation of the methods for food and feed analysis, analysis of samples. Instrumental techniques: ELISA, HPLC-DAD, HPLC-FLD.

EDUCATION AND TRAINING

Education
2013 -

PhD in veterinary sciences:

Faculty of Veterinary medicine, University “Ss. Cyril and Methodius”, Skopje, R. Macedonia.
PhD thesis: Total aflatoxins, ochratoxin A and zearalenone as natural contaminants present in grains and feed in Republic of Macedonia”.
WEB: <http://www.fvm.ukim.edu.mk>

2001 - 2008

MSc in pharmaceutical sciences:

Faculty of pharmacy, University “Ss. Cyril and Methodius”, Skopje, R. Macedonia. Master thesis: “HPLC-FD method for determination of ochratoxin A in wines in Republic of Macedonia”.
WEB: <http://www.ff.ukim.edu.mk>

1992 - 1998

B.Sc in pharmacy

University “Ss. Cyril and Methodius”, Faculty of pharmacy, Skopje, R. Macedonia
WEB: <http://www.ff.ukim.edu.mk>

1988 - 1992

Biotechnologist

High School, „Nikola Karev“ Skopje, R. Macedonia

Training

20.12.2023

CIR (EU) 2021/808 regulation: PART III Implementation testimonies illustrations on how CIR (EU) 2021/808 is currently being implemented – Testimonies from Poland, Belgium and Morocco (SARAF), on-line

08.12.2022

EU regulation 2021/808: PART II First testimonies towards practical cases, School for Advanced Residue Analysis in Food TRAINING PROGRAMME (SARAF), on-line

05-09.09.2022

10th BfR Summer academy for Risk assessment, Berlin, Germany, on-line

22-25.09.2022

Certificate for participation at the workshops, 9th International Scientific Meeting, Days of veterinary medicine 2022, 22-25 September 2022, Ohrid, R. N. Macedonia

13-17.01.2020

Training of MassLynx-LC-MS/MS method development, Skopje, R. Macedonia

25-26.11.2019

Training for “Basic requirements for competence of testing and calibration laboratories”, Skopje

18-20.11.2019

EURL training course for ergot alkaloids, Wageningen University, The Nederland

31.10.2019

Basic operational training and customer familiarization for Waters Acquity H-class UPLC coupled with XEVO TQ-S Micro, Skopje

12-14.11.2018

EURL training course for plant toxins, Rikilt, Wageningen University, The Nederland

04.2018

Workshop of chromatography Merck, Skopje

PERSONAL SKILLS

Mother tongue(s)

Macedonian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Serbian	C1	C1	C1	C1	C1
French	B1	B1	B1	B1	B1

Communication skills

- good communication skills, written and oral communication, team work, interpersonal skills, active listening

Computer skills

Full computer literacy - Word, Excel, Power Point, Internet, Outlook

Other skills Social skills and competences ▪ Highly motivated, positive attitude, professional with strong skills for building relationships, honesty, empathy, confidence

Driving licence Driving licence category: B

ADDITIONAL INFORMATION

Publications

Presentations

Projects

Food contamination with acrylamide as a reaction product and evaluation of certain procedures for its reduction in thermally processed potato products (funded by the UKIM, Skopje (decision 03-417/55 of March 26, 2018)

Antimicrobial resistance in isolates of commensal Escherichia coli in the Republic of North Macedonia, (project financed by FVMS, decision of NNS 0202-2090/3 from 03.12.2019, for period 2019-2020)

Biomonitoring of antimicrobial resistance and typification of pathogens and commensal bacteria in wastewater from food production facilities. University „Ss. Cyril and Methodius“ Skopje, Macedonia, (project financed by UKIM, decision 02-613/6 from 18.05.2021, for period 2021-2022)

Development and validation of multi-residual and multi-class analytical methods for determination of veterinary drug residues and contaminants in food of animal origin using isotopically marked internal standards and application of the LC-Q / TOF technique. 10.2021-10.2023. Ministry of education and science. (project financed by Ministry of education and science, decision 0201-1654/4 from 26.11.2021)

Evaluation of feed safety in the Republic of North Macedonia in terms of the potential for contribution to antimicrobial resistance in the food chain, 30.03.2023-30.03.2025, Faculty of Veterinary Medicine Skopje (decision 0202-359/14 of 31.03.2023)

Conferences 5th International Vet-Istanbul Group Congress and 8th International Scientific Meeting “DAYS OF VETERINARY MEDICINE 2018”, 23-27.09.2018, Ohrid, R. Macedonia

Days of Veterinary Medicine 2022, 9th International Scientific Meeting, 22-25 September 2022, Ohrid, R. North Macedonia

Memberships - Member of Local Organizing Committee of 5th International Vet-Istanbul Group Congress and 8th International Scientific Meeting “DAYS OF VETERINARY MEDICINE 2018”, 23-27.09.2018, Ohrid, R. Macedonia

- Member of Local Organizing Committee of 9th International Scientific Meeting Days of Veterinary Medicine 2022, 22-25.09.2022, Ohrid, R. N. Macedonia

- Member of the International scientific board of the 7th International Scientific Meeting on Mycology, Mycotoxicology and Mycoses (Novi Sad, Serbia, 2022) (No. 0108/423 from 28.04.2022)

References **Full articles:**

1. Risto Uzunov, Zehra Hajrulai-Musliu, Velimir Stojkovski, Elizabeta Dimitrieska-Stojkovic, **Biljana Stojanovska-Dimzoska**, Pavle Sekulovski, Dean Jankuloski. Development and Validation of LC-MS/MS Method for Determination of Ten Beta Agonists in Bovine Urine. *Kafkas Univ Vet Fak Derg*, 25 (1): 55-60, 2019. DOI: 10.9775/kvfd.2018.20324
2. E. Dimitrieska-Stojkovic, A. Angeleska, **B. Stojanovska-Dimzoska**, Z. Hajrulai-Musliu, D. Koceva, R. Uzunov, G. Ilievska 1, G. Stojković, D. Jankuloski. Acrylamide Content in Food Commodities Consumed in North Macedonia and Its Risk Assessment in the Population. *Journal of Food Quality and Hazards Control* 6 (2019) 101-108. DOI: 10.18502/jfqhc.6.3.1383
3. Aleksandra Angeleska, Elizabeta Dimitrieska-Stojkovic, Radmila Crceva-Nikolovska, Zehra Hajrulai-Musliu, **Biljana S. Dimzoska**, Gordana Ilievska (2019) Natural radionuclides in poultry feed and assessment of radiation risk. *Proceedings of the X International Scientific Agriculture Symposium "AgroSym 2019"*, p. 1514-1518; Jahorina, Serbia, October 03-06.
4. Aleksandra Angeleska, Elizabeta Dimitrieska-Stojkovic, Radmila Crceva-Nikolovska, Zehra Hajrulai-Musliu, **Biljana S. Dimzoska**, Slobodan Bogoevski, Bosko Boskovski (2020) Distribution of some radionuclides in corn and soil from different locations in the surrounding of Skopje. *Mechanical Engineering – Scientific Journal*, Vol 38, No. 1, p. 37-42. ISSN 1857-5293
5. **Stojanovska-Dimzoska Biljana**, Dimitrieska-Stojkovic Elizabeta, Hajrulai-Musliu Zehra, Uzunov Risto, Angeleska Aleksandra, Jankuloski Dean, Blagojevska Katerina (2021) Determination of aflatoxins and ochratoxin A in animal liver using HPLC-FD method with immunoaffinity clean-up. *Macedonian Veterinary Review*, 44 (2): 119-127
<https://doi.org/10.2478/macvetrev-2021-0017>
6. Aleksandra Angeleska, Risto Uzunov, Radmila Crceva Nikolovska, Elizabeta Dimitrieska Stojkovic, Katerina Blagojevska, **Biljana Dimzoska Stojanovska** (2021) Analysis of wheat production in the Republic of North Macedonia from 2016-2019. *Economics of Agriculture*, Year 68, No.3, p. 675 - 686; DOI:10.5937/ekoPolj2103675A
7. Angeleska Aleksandra, Crceva Nikolovska Radmila, Dimitrieska Stojkovic Elizabeta, Poposka Treneska Vasilka, Blagojevska Katerina, Uzunov Risto, **Dimzoska Biljana** (2021) Natural radioactivity levels in some vegetables commonly used in the city of Skopje (Macedonia). *Agriculture and Food (Journal of International Publications)* ISSN 134-8591, Vol.9, p. 206-210.
8. Angeleska Aleksandra, Radmila Crceva Nikolovska, Katerina Blagojevska, Elizabeta Dimitrieska Stojkovic, **Biljana Dimzoska Stojanovska**, Risto Uzunov (2021) Radiation levels in samples of dicalcium phosphate (DCP) with a gamma spectrometry method. *Book of Proceedings*, p. 484-489; XII International Scientific Agricultural Symposium "Agrosym 2021", October 2021, Jahorina, Serbia
9. K Blagojevska, G Ilievska, D Jankuloski, **B Stojanovska Dimzoska**, R Crceva Nikolovska and A Angeleska (2021) The controversies of genetically modified food. *IOP Conf. Series: Earth and Environmental Science* 854 (2021) 012009 doi: 10.1088/1755-1315/854/1/012009
10. **Biljana Stojanovska-Dimzoska**, Zehra Hajrulai-Musliu, Risto Uzunov, Aleksandra Angeleska, Katerina Blagojevska, Radmila Crceva-Nikolovska, Gordana Ilievska, Elizabeta Dimitrieska-Stojkovic (2022) Study of the effectiveness of a multi-toxin immunoaffinity clean-up for reliable cost-effective HPLC-FLD analysis of mycotoxins in corn-based foods. *Macedonian Journal of Chemistry and Chemical Engineering*, Vol. 42, NO. 1 p. 77-88. DOI: 10.20450/mjce.2022.2422
11. G. Ilievska, **B. Stojanovska-Dimzoska**, D. Koceva, G. Stojkovic, A. Angeleska, E. Dimitrieska-Stojkovic (2022) Dietary exposure and health risk assessment of aflatoxin M1 in dairy products consumed by population of North Macedonia. *Journal of food quality and hazards control* 9, 14-22. DOI: 10.18502/jfqhc.9.1.9686
12. Aleksandra Angeleska, Radmila Crceva Nikolovska, Elizabeta Dimitrieska Stojkovic, **Biljana Stojanovska Dimzoska**, Risto Uzunov, Ana Angelovska (2022). Determination of radionuclide concentration in milk samples consumed on Republic of North Macedonia and dose rate estimates. *Journal of Agriculture and Plant Sciences, JAPS*, Vol. 20, No.1, p. 9-16. Doi: <https://doi.org/10.46763/JAPS22201009a>
13. Aleksandra Angeleska, Elizabeta Dimitrieska Stojkovic, Zehra Hajrulai Musliu, **Biljana Stojanovska Dimzoska**, Radmila Crceva Nikolovska, Igor Esmerov, Ana Angelovska (2022). Assessment of radiological hazard for various food commonly used in Republic of North Macedonia. *Journal of Agriculture and Plant Sciences, JAPS*, Vol. 20, No.2, p. 9-14. Doi: <https://doi.org/10.46763/JAPS22202009a>
14. Katerina Blagojevska, Marija Ratkova Manovska, Snezana Dimitrovska, **Biljana Stojanovska Dimzoska**, Dean Jankuloski (2022) Screening of antimicrobial resistance of commensal *Escherichia coli* with the use of microbroth dilution plates. 27th Annual counselling of doctors of veterinary medicine of Republic of Srpska (Bosnia and Hercegovina). *Proceedings and short content*, p. 330-333, Trebinje, Grad Sunce, June, 15-18, 2022.

15. Aleksandra Angeleska, Radmila Crceva Nikolovska, Elizabeta Dimitrieska Stojkovik, Katerina Blagoevska, **Biljana Dimzoska Stojanovska**, Risto Uzunov, Ljupco Angelovski (2022) Activity concentration of natural radionuclides in chicken feeds in the Republic of North Macedonia. *Krmiva* 63: 19-23
16. Aleksandra Angeleska, Radmila Crceva Nikolovska, Elizabeta Dimitrieska Stojkovik, **Biljana Stojanovska Dimzoska**, Ana Angelovska, Dusica Koceva (2022) Occurrence of radionuclides and toxic elements in feed stuff from North Macedonia. Book of Proceedings, p. 615-621; XIII International Scientific Agricultural Symposium "Agrosym 2022", October 2022, Jahorina, Serbia
17. Aleksandra Angeleska, Radmila Crceva Nikolovska, Elizabeta Dimitrieska Stojkovik, Igor Esmerov, **Biljana Stojanovska Dimzoska**, Blagica Sekovska (2022) The influence of the war in Ukraine on the import of wheat, corn and sunflower oil in the Republic of North Macedonia. Book of Proceedings, p. 622-629; XIII International Scientific Agricultural Symposium "Agrosym 2022", October 2022, Jahorina, Serbia
18. Maksud Kerluku, Marija Ratkova Manovska, Mirko Prodanov, **Biljana Stojanovska-Dimzoska**, Zehra Hajrulai-Musliu, Dean Jankuloski and Katerina Blagoevska (2023) Phenotypic and genotypic analysis of antimicrobial resistance of commensal *Escherichia coli* from dairy cows' feces. *Processes* 11 (7), 1929; <https://doi.org/10.3390/pr11071929>
19. Zehra Hajrulai-Musliu, Risto Uzunov, Stefan Jovanov, Dea Musliu, Elizabeta Dimitrieska-Stojkovikj, **Biljana Stojanovska-Dimzoska**, Aleksandra Angeleska, Velimir Stojkovski and James Jacob Sasanya (2023) Multi-class/residue method for determination of veterinary drug residues, mycotoxins and pesticide in urine using LC-MS/MS technique. *BMC Veterinary Research* 19:156 <https://doi.org/10.1186/s12917-023-03720-2>
20. Maksud Kerluku, Dean Jankuloski, Marija Ratkova Manovska, Mirko Prodanov, **Biljana Stojanovska Dimzoska**, Aleksandar Dodovski, Katerina Blagoevska (2023) β -Lactamase genes (*bla*CTX-M, *bla*SHV, *bla*TEM, *bla*OXA1 and *bla*OXA2) and phylogenetic groups in ESBL producing commensal *Escherichia Coli* isolated from faecal samples from dairy farm in the municipality of Debar. *Macedonian Veterinary Review*, 46 (1): 89-97 <https://doi.org/10.2478/macvetrev-2023-0017>
21. Aleksandra Angeleska, Radmila Crceva Nikolovska, Elizabeta Dimitrieska Stojkovik, **Biljana Dimzoska Stojanovska**, Risto Uzunov, Srecko Georgievski (2023) Assessment of natural radioactivity levels and radiation hazards in agricultural soil and transfer in wheat in the region of North Macedonia. *AGROFOR International Journal*, Vol. 8, Issue No. 3, p. 96-105

Abstracts:

1. Angeleska Aleksandra, Crceva Nikolovska Radmila, Dimitrieska Stojkovik Elizabeta, Hajrulai Musliu Zehra, Angelovski Ljupco, **Dimzovska Biljana**, Jankuloski Dean (2019). Radiation levels in samples of dicalcium phosphate (DCP) with a gamma spectrometry method. International conference KRMIVA 2019. Book of abstracts p.118, 5-7 june, 2019, Opatija, Croatia
2. Zehra Hajrulai-Musliu, Risto Uzunov, Stefan Jovanov, Elizabeta Dimitrieska Stojkovik, **Biljana Stojanovska Dimzoska**, Velimir Stojkovski (2019) Development, Validation and Application of Isotope Based Chromatographic/Spectrometric Techniques for Mixed Contaminants Including Some Veterinary Drug Residues in Bovine Meat. Book of Abstracts. 8. National / 2. International Veterinary Food Hygiene Congress 24-27th October 2019 Antalya, p.108
3. Angeleska Aleksandra, Crceva Nikolovska Radmila, Dimitrieska Stojkovik Elizabeta, Katerina Blagoevska, Risto Uzunov, **Biljana Stojanovska Dimzoska** (2021). Measurement of the ^{226}Ra , ^{232}Th and ^{40}K activities in corn in the Republic of North Macedonia and resulting annual radiation dose by ingestion. X International symposium on agricultural sciences AgroReS 2021, Book of abstract, p.101.
4. Angeleska Aleksandra, Crceva Nikolovska Radmila, Dimitrieska Stojkovik Elizabeta, Uzunov Riste, **Dimzovska Biljana**, Blagoevska Katerina (2022) Accumulation of radioactive cesium in marine fish used in North Macedonia. Second International Congress on biological and Health Sciences, Abstract book, p. 407, 24-27 February 2022, Turkey
5. Aleksandra Angeleska, Radmila crceva Nikolovska, Elizabeta Stojkovik Dimitrieska, Katerina Blagoevska, **Biljana Stojanovska Dimzoska** (2022) Natural radioactivity in soil samples taken in the surrounding of the Zelezara factory, Republic of North Macedonia, and the estimation of radiation exposure from soils. RAD International conference on radiation in various fields of research, Book of abstracts p. 47. June 13-17, 2022, Herceg Novi, Montenegro
6. Marija Ratkova Manovska, Gordana Ilievska, Snezana Dimitrovska, Ena Dobrik, Miroslav Kjosevski, **Biljana Stojanovska Dimzoska**, Katerina Blagoevska (2022) Biomonitoring of waste waters from slaughterhouses in Macedonia. Book of Abstracts. 9th International Scientific Meeting Days of veterinary medicine 22-25th September, 2022 Ohrid, R. of North Macedonia, p.33

7. Dean Jankuloski, Marija Ratkova Manovska, Katerina Blagoevska, Gordana Ilievska, **Biljana Stojanovska Dimzoska**, Mirko Prodanov, Ljupco Angelovski, Sandra Mojsova, Snezana Dimitrovska (2022) Antimicrobial resistance in commensal *Escherichia coli* isolated from pigs' cecal samples at slaughter. Book of Abstracts. 9th International Scientific Meeting Days of veterinary medicine 22-25th September, 2022 Ohrid, R. of North Macedonia, p. 51
8. Ida Kucinoska, **Biljana Stojanovska-Dimzoska**, Aleksandra Angeleska, Katerina Blagoevska, Gordana Ilievska, Dushica Koceva, Elizabeta Dimitrieska-Stojkovic (2022) Occurrence of aflatoxins, ochratoxin A and zearalenone in poultry feed. Book of Abstracts. 9th International Scientific Meeting Days of veterinary medicine 22-25th September, 2022 Ohrid, R. of North Macedonia, p. 90
9. **Biljana Stojanovska-Dimzoska**, Aleksandra Angeleska (2022) Presence of heavy metals in animal feeds of plant origin. Book of Abstracts. 9th International Scientific Meeting Days of veterinary medicine 22-25th September, 2022 Ohrid, R. of North Macedonia, p. 91
10. Gordana Ilievska, Katerina Blagoevska, **Biljana Stojanovska-Dimzoska**, Elena Rafailovska, Biljana Miova (2022) Evaluation of antioxidative enzymes in rats treated with *Origanum vulgare* essential oil during acute intoxication with Deoxinivalenol and Fumonisin B1. Book of Abstracts. 9th International Scientific Meeting Days of veterinary medicine 22-25th September, 2022 Ohrid, R. of North Macedonia, p. 113
11. Risto Uzunov, Zehra Hajrulai-Musliu, Stefan Jovanov, Elizabeta Dimitrieska-Stojkovic, Aleksandra Angeleska, **Biljana Stojanovska-Dimzoska**, Velimir Stojkovski (2022) Validation of the rapid Elisa method for determination of methyltestosterone in urine and muscle based on the new regulation (EU) 2021/808. Book of Abstracts. 9th International Scientific Meeting Days of veterinary medicine 22-25th September, 2022 Ohrid, R. of North Macedonia, p. 160
12. Elizabeta Dimitrieska-Stojkovic, Aleksandra Angeleska, Dushica Koceva, **Biljana Stojanovska-Dimzoska**, Goran Stojkovic, Gordana Ilievska, Risto Uzunov, Zehra Hajrulai-Musliu (2022) Validation of UHPLC-MS/MS method after modified quechers sample preparation for monitoring of pesticide residues in bovine milk according to EC/2018/555. Book of Abstracts. 9th International Scientific Meeting Days of veterinary medicine 22-25th September, 2022 Ohrid, R. of North Macedonia, p. 161
13. **Biljana Stojanovska Dimzoska**, Elizabeta Dimitrieska Stojkovic, Zehra Hajrulai-Musliu, Risto Uzunov, Katerina Blagoevska, Aleksandra Angeleska (2022) Validation protocol for determination of fumonisins in corn. Book of Abstracts. 9th International Scientific Meeting Days of veterinary medicine 22-25th September, 2022 Ohrid, R. of North Macedonia, p. 163