

PERSONAL INFORMATION



Prof. Slavcho MRENOSHKI, DVM, MSc, PhD

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- Sex Male | Date of birth 20 / 03 / 1966 | Nationality Macedonian

WORK EXPERIENCE

20 Nov 2006 - Present day Assistant Professor Associate Professor Full Professor

University Lecturer, Head of the Microbiology and Immunology Department Head of the Microbiology Lab (2006-2016)

Faculty of Veterinary Medicine, Ss. Cyril and Methodius University in Skopje, Macedonia

- In undergraduate studies, elected University Lecturer in courses of Microbiology and Immunology (2006-present day), and designated Lecturer in courses of Infectious Diseases and Veterinary Epidemiology (Sep 2010 – Sep 2015). In postgraduate (PhD) studies, Lecturer in two programs offered by FVMS: (I) VETERINARY MEDICINE (courses: Advanced Methodologies in Veterinary Epidemiology, Serological Methods in Veterinary Diagnostic, Molecular Methods in Veterinary Diagnostic, Virology Methods in Veterinary Diagnostic, and Bacteriology and Advanced Diagnostics of Significant Bacterial Diseases) and (II) FOOD SAFETY (Molecular and Genetic Methods and Epidemiology in Food Poisoning, and Practical Application of Molecular Methods in Detection and Epidemiology of Pathogenic Microorganisms)
 - Head of the Microbiology and Immunology Department, and Microbiology laboratory (Bacteriology/Micology and Virology units), where the routine diagnostic of animal disease is performed (mainly bacterial, such as Brucellosis, Enterotoxaemia in sheep, Black Leg, E.coli infections, Staphylococcal/Streptococcal diseases, Anthrax, Bovine Tuberculosis, Salmonellosis, Mastitis etc).

25 June 2012 Member of the University Senate

- 26 June 2016 Faculty of Veterinary Medicine, Ss. Cyril and Methodius University in Skopje, Macedonia

 University Senate is the supreme academic body made up of members of the Faculties and Institutes members of the University. The Senate creates university academic policy including adoption of study programs, verification of scientific and art fields at the Faculties, promulgation of programs for development and activities at University, as well as other matters appointed by the national low.

30 Sep 2011 Head of the Rabies Lab

- April 2016 Faculty of Veterinary Medicine, Ss. Cyril and Methodius University in Skopje, Macedonia

 Head of the Rabies lab which performed diagnosis of disease (FAT, RTCIT, PCR), postvaccinal monitoring of oral vaccination in foxes (Biomarker detection, ELISA) and determining the levels of anti-rabies antibodies in pet sera (FAVN test; the lab was authorised laboratory by the European Commission for this test in 2013 and 2014).

06 May 2011 Head of the Veterinary Institute

- 24 Feb 2015 Faculty of Veterinary Medicine, Ss. Cyril and Methodius University in Skopje, Macedonia

Veterinary Institute (VI) is part of the Faculty of Veterinary Medicine in Skopje (FVMS) and it consists of 5 laboratories (for Microbiology, Parasitology, Serology and Molecular Diagnostic, Rabies, and Transmissible Spongiform Encephalophaties), as well as University Veterinary Hospital (for small animals). The Institute is National Reference Laboratory (NRL) for Animal Health which includes national monitoring of the significant, notifable diseases designated by the Food and Veterinary Agency, FVA (e.g. Brucellosis, Classical Swine fever, Rabies, Bovine Tuberculosis, Avian Influenza, Q-fever, Chlamydiosis, Toxoplasmosis, Echinococcosis etc.), as well as other animal and zoonotic diseases, and control of quarantined animals during thei import in the country. My duties as a Head of VI includes coordination of the work in the laboratories, assistance in introduction/development of new tests/procedures for actual and/or new diseases of interest, as well as assistance to the FVA in creation of strategies for control of the diseases of interest. The Faculty is ISO17025 certified, and the Institute had 9 accredited methods for diagnosis of Brucellosis, Rabies and TSE. As a member of the Faculty Management Team, I participate in creation and implementation of general Faculty's policy and strategies, which includes another two Institutes (Food and Biomedicine & Reproduction).



23 Nov 2009	Vice Dean for Education and Students		
- 05 May 2011	Faculty of Veterinary Medicine, Ss. Cyril and Methodius University in Skopje, Macedonia		
29 Sep 2008 - 22 Nov 2009	 European Credit Transfer and Accumulation System (ECTS) Coordinator Faculty of Veterinary Medicine, Ss. Cyril and Methodius University in Skopje, Macedonia ECTS Coordinator synchronize the activities related to the implementation of the European Credit Transfer System in the teaching program at the Faculty 		
04 July 1995 - 19 Nov 2006 Junior Assistant Assistant	Teaching assistant at the Microbiology and Immunology Department, Researcher in the Microbiology Lab, Researcher in the Swine Diseases Department Faculty of Veterinary Medicine, Ss. Cyril and Methodius University in Skopje, Macedonia		
	 In undergraduate studies, course of Microbiology and Immunology, performing the exercises with the students as well as practical part of the course exam In the Microbiology (Bacteriology/Micology) laboratory, working on the routine diagnostic of animal bacterial disease (Brucellosis, Anthrax, Salmonellosis, Enterotoxaemia in sheep, Black Leg, E. coli/Staphylococcal/Streptococcal infections, Mastitis etc). In Swine Diseases Department involved in health management of 11 pig farms in Macedonia which includes on site visit of the farm, design of prophylactic (vaccination) program and therapy according to the farm pathology, as well as performing the necropsy of dead pigs found on site or sent for laboratory investigation to the Veterinary Faculty/Institute. 		
	os of work periods. Since my graduation I work at the FVMS (Ss. Cyril and Methodius University in Skopje, Macedonia)		

* Expl and the system of promotion in a higher position (from assistant to associate and full professor, as you can read from my employment history) is practically new job position in the same institution. There is an open competition (concourse) where the candidate/s is/are evaluated according teaching, scientific and applicative activities. The existing overlaps (Vice Dean and Head of VI) with my titles Assistant and Associate Professor are consequence of my parallel engagement in these positions. So they are not new job positions for new employment, but extra (as I mentioned parallel) job positions that somebody of the academic staff at the Faculty performs.

EDUCATION AND TRAINING

PERSONAL SKILLS

29 June 2004 – 10 July 2006	PhD Degree in Veterinary Sciences (diploma issued on <u>14</u> March 2 <u>007</u>) Faculty of Veterinary Medicine, Ss. Cyril and Methodius University in Skopje, Macedonia Species, prevalence and antimicrobial resistance of the thermotolerant campylobacters in pig population in Republic of Macedonia [Thesis]
01 Jan 1996 – 03 Oct 2001	MSc Degree in <u>Veterinary Sciences in the field of</u> Microbiology, Immunology and Epizootiology (diploma issued on <u>25</u> November 2001) Faculty of Veterinary Medicine, Ss. Cyril and Methodius University in Skopje, Macedonia Actinobacillus pleuropneumoniae: isolation, identification, serotyping and antimicrobial resistance [Thesis]
1 Sep 1985 – 29 Apr 1993	Doctor of Veterinary Medicine (diploma issued on <u>12</u> October <u>1993</u>) Faculty of Veterinary Medicine - University of Belgrade, Serbia

Mother tongue(s)	Macedonian				
Other language(s)	UNDERSTAN	UNDERSTANDING		SPEAKING	
0 0 ()	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
Serbian/Croatian	C2	C2	C2	C2	C2
Bulgarian	B2	B1	C1	C1	A1
Italian	A1	A1	A1	A1	A1
	Levels: A1/2: Basic user - B1/2: Inde	pendent user - C1/2 Proficien	t user. Common European Fra	mework of Reference for Langu	lages



Communication skills	Good communication skills gained through the 20 years of practice as university assistant and teacher			
Organizational / managerial skills	Leadership proven by the responsibility in organization and coordination of different number of people (as a Head of the Veterinary Institute coordination of 32 people engaged in 5 diagnostic/research laboratories; as a Vice dean and ECTS coordinator - teaching process at the Faculty; as Head of the Microbiology and Rabies laboratories - diagnostic activities which involves 7 people)			
Computer skills	 Proficient - Word processing, Presentation/Desktop publishing, Corel Photo Paint & Draw, Internet, E-mail/Communication Working knowledge - Spreadsheets, Databases 			
Driving license	В			
ADDITIONAL INFORMA	ATION			

Journal articles 1. Cvetkovikj I, <u>Mrenoshki S</u>, Krstevski K, Djadjovski I, Angjelovski B, Popova Z, Janevski A, Dodovski A, Cvetkovikj A, (2017). Bovine tuberculosis in the Republic of Macedonia: postmortem, microbiological and molecular study in slaughtered reactor cattle. Macedonian Veterinary Review 2017; 40 (1):43-52

- Angjelovski, B., Cvetkovikj, A., <u>Mrenoshki, S.</u>, Radeski, M., Cvetkovikj, I., Ratkova, M. and Dovenski, T. (2016). Bacteria associated with clinical postpartum dysgalactia syndrome in farmed sows in the Republic of Macedonia. Turkish Journal of Veterinary & Animal Sciences 40, Dec 2016, 776-781.
- Wasniewski, M., Almeida, I., Baur, A., Bedekovic, T., Boncea, D., Chaves, L., David, D., De Benedictis, P., Dobrostana, M., Giraud, P., Hostnik, P., Jaceviciene, I., Kenklies, S., König, M., Mähar, K., Mojzis, M., Moore, S., Mrenoski, S., Müller, T., Ngoepe, E., Nishimura, M., Nokireki, T., Pejovic, N., Smreczak, M., Strandbygaard, B., Wodak, E., Cliquet, F. (2016). First international collaborative study to evaluate rabies antibody detection method for use in monitoring the effectiveness of oral vaccination programmes in fox and raccoon dog. Journal of Virological Methods, Vol 238, Dec 2016, pp 77–85.
- Schuster, I., Mertens, M., <u>Mrenoshki, S.</u>, Staubach, C., Mertens, C., Brüning, F., Wernike, K., Hechinger, S., Berxholi, K., Mitrov, D. and Groschup, M. (2015). Sheep and Goats as Indicator Animals for Circulation of CCHFV in the Environment. Experimental and Applied Acarology, March 2016, Vol. 68, Issue 3, pp 337-346, doi: 10.1007/s10493-015-9996-y. Epub 2015 Dec 24.
- Krstevski, K., Naletoski, I., Mitrov, D., <u>Mrenoshki, S.,</u> Cvetkovikj, I., Janevski, A., Dodovski, A. and Djadjovski, I. (2015) <u>Application of fluorescence based molecular assays for improved detection and typing of</u> Brucella <u>strains in clinical</u> <u>samples. Macedonian Veterinary Review 38(2):i-x. DOI:10.14432/j.macvetrev.2015.09.055</u>
- Mertens M, Vatansever Z, <u>Mrenoshki S</u>, Krstevski K, Stefanovska J, Djadjovski I, Cvetkovikj I, Farkas R, Schuster I, Donnet F, Comtet L, Tordo N, Mechlia B.M, Balkema-Buschmann A, Mitrov D, Groschup M.. (2015) Circulation of Crimean-Congo Hemorrhagic Fever Virus in the Former Yugoslav Republic of Macedonia Revealed by Screening of Cattle Sera Using a Novel Enzyme-linked Immunosorbent Assay. PLOS Neglected Tropical Diseases 9(3): e0003519. doi:10.1371/journal.pntd.0003519.
- 7. Angjelovski, B., <u>Mrenoshki, S.</u>, Djurovski, I., Dejanoski, T. and Dovenski, T. (2014) Sow productivity on commercial pig farms in the Republic of Macedonia. Macedonian Veterinary Review 2014; 37 (2): 135-140
- 8. Žutić J, Radosavljević V, Radanović O, <u>Mrenoski S,</u> Bacić D, and Žutić, M. (2013) Antimicrobial resistance observed in Escherichia coli isolates from pigs. Archiva Zootechnica, Vol.16, Issue 2, p75-82. 8p.
- Picard-Meyer, E., <u>Mrenoshki, S.,</u> Milicevic, V., Ilieva, D., Cvetkovikj, I., Cvetkovikj, A., Krstevski, K., Dzhadzhovski, I., Robardet, E., Gagnev, E., Iliev, E., Plavsic, B., Kirandjiski, T. and Cliquet, F. (2013). Molecular characterisation of rabies virus strains in the Republic of Macedonia. Archives of Virology, Volume 158, Issue 1, pp 237-240 (doi: 10.1007/s00705-012-1466-9. Epub 2012 Sep 23)
- Prodanov, M., Ratkova, M., Angelovski, L., Jankuloski, D., Sekulovski, P. and <u>Mrenoshki, S.</u> (2012). Serotyping and antimicrobial resistance of Salmonella spp. isolated from commercial flocks of laying hens in R. Macedonia. Macedonian Veterinary Review 35(1): 29-33
- Cvetkovikj, I., Dodovski, A., Naletoski, I., <u>Mrenoshki, S.,</u> Mitrov, D., Krstevski, K., Dzadzovski, I. and Cvetkovikj, A. (2012). No evidence of Avian Influenza viruses in backyard poultry from risk areas in R. Macedonia (Virological and molecular surveillance 2009). Slovenian Veterinary Research, Number 49, Vol. 1, pp 5 -12.
- Kirandjiski, T., <u>Mrenoski, S.</u>, Celms, I., Mitrov, D., Dzadzovski, I., Cvetkovikj, I., Krstevski, K., Picard-Meyer, E., Viviani, P., Malinovski, D., Demerson, J. M., Cvetkovikj, A. Davcheva, K., Nakova, E., Tomeska Mickova, S. and Cliquet F. (2012). First reported cases of rabies in the Republic of Macedonia. Veterinary Record 170 (12) 312.
- Cvetkovik, I., Dodovski, A., Naletoski, I., <u>Mrenoski, S.</u>, Mitrov, D., Krstevski, K., Dzadzovski, I. and Cvetkovik, A. (2010). Surveillance of avian influenca viruses in farmed poultry in 2009 in Republic of Macedonia. Macedonian Veterinary Review Vol. 33, No.1, pp 19-24, Skopje, Macedonia.
- 14. Cvetkovic, A., Hristovski, M., Stojanovski, S., <u>Mrenoski, S.</u> and Cvetkovic, I. (2009). Autogenous vaccination for control of yersiniosis (yersiniosis salmonis) in the salmonid aquaculture in Republic of Macedonia. Macedonian Veterinary



Review, Vol.32, No.1, pp 29-35, Skopje, Macedonia.

- 15. Cvetkovic, A., Hristovski, M., <u>Mrenoski, S.</u> and Cvetkovic, I. (2007). Survey of Saprolegnia sp. in cage cultured common carp in Tikves lake in 2005 and 2006. Macedonian Veterinary Review, vol.30, No.1, pp 29-32, Skopje, Macedonia.
- Mrenoski, S., Markic, Z., Prodanov, R. and Sekulovski, P. (2007). Isolation of thermotolerant campylobacters and C. hyointestinalis from rectal swabs in healthy pigs. Macedonian Veterinary Review, Vol.30, No.1, p.5-16, Skopje, Macedonia
- 17. Sekulovski, P., <u>Mrenoski, S.</u> and Mitrov, D. (1999). Survey of meat market hygiene in Macedonia. Macedonian Veterinary Review 28, 1/2, p.65-69, Skopje, Macedonia.
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- 19. Zutic, M., Ivetic, V., Drezga, J., Markic, Z. and <u>Mrenoski, S.</u> (1999). Pleuropneumonia in pigs in farm conditions. Macedonian Veterinary Review 28, 1/2, p.51-56, Skopje, Macedonia.
- 20. <u>Mrenoski, S.</u>, Rapoport, E., Banai, M., Petrovska, L. and Markic, Z. (1998). Allergic skin test as a method for diagnosis of brucella infections in small ruminants. Macedonian Veterinary Review 27, 1/2, p.55-58, Skopje, Macedonia.
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- Conference 22. Djadjovski, I., Krstevski, K., Mitrov, D., <u>Mrenoshki, S.</u>, Acevski, S., Cvetkovikj, I., Celeska, I., Kirandjiski, T. and Naletoski, I. (2012) Evaluation of Vaccination Coverage against Classical Swine Fever in Farm Pigs in Macedonia and Possible Reasons for the Poor Results. Book of Proceedings of the 3rd International Scientific Meeting "Days of Veterinary Medicine 2012", pp.28-29, 2012 Sep 02-04, Ohrid, Macedonia
 - Cvetkovikj, A., Radeski, M., <u>Mrenoshki, S.</u>, Kirandjiski, T., Krstevski, K., Dzhadzhovski, I., Gjurovski, I., Angjelovski, B., Cvetkovikj, I. and Cliquet, F. (2012) Monitoring Bait Uptake through Tetracycline Presence and Age Structure of Foxes in Oral Vaccination against Rabies Campaigns in R. Macedonia. Book of Proceedings of the 3rd International Scientific Meeting "Days of Veterinary Medicine 2012", pp 30-32, 2012 Sept 02-04, Ohrid, Macedonia
 - Stefanovska, J., Kochevski, Z., Cvetkovikj, I., Farkas, R., Naletoski, I., and <u>Mrenoshki, S.</u> (2012) Serological Evidence of Ehrlichia Canis and Leishmania Infantum Co-Infection in Naturally Exposed Dogs on The Territory of Republic of Macedonia. Book of Proceedings of the 3rd International Scientific Meeting "Days of Veterinary Medicine 2012", pp 38-39, 2012 Sept 02-04, Ohrid, Macedonia
 - Krstevski, K., Dzadzovski, I., Mitrov, D., <u>Mrenoshki, S.</u>, Acevski, S., Cvetkovikj, I. and Naletoski, I. (2012) Comparison of Results Obtained With two Different Elisa Kits for Detection of Antibodies against Classical Swine Fever Virus. Book of Proceedings of the 3rd International Scientific Meeting "Days of Veterinary Medicine 2012", pp 59-61, 2012 Sept 02-04, Ohrid, Macedonia
 - Djadjovski, I., Krstevski, K., Mitrov, D., <u>Mrenoski, S.</u>, Acevski, S., Cvetkovikj, I., Celeska, I., Kirandjiski, T., Nakova, E. and O'Flaherty, R. (2012) Epidemilogical situation, legal framework and laboratory diagnostic of classical swine fever in Republic of Macedonia. Proceedings of International scientific conference "Prevention of Classical Swine Fever in the border region Croatia–Serbia (STOP-CSF)", pp 137-147, 2012 Jun 07-08, Novi Sad, Republic of Serbia
 - Krstevski, K., Dzhadzhovski, I., Naletoski, I., Mitrov, D., Acevski, S., <u>Mrenoski, S.</u>, Cvetkovikj, I. and Janevski, A. (2011) Implementation of Molecular Assay for Detection of Bluetongue Virus. Proceedings of Days of Veterinary Medicine 2011, pp 91-92, 2011 Sep 09-11, Ohrid, Macedonia
 - Dzadzovski, I., Acevski, S., Krstevski, K., Naletoski, I., Mitrov, D., <u>Mrenoski, S.</u>, Cvetkovikj, I. and Janevski, A. (2011) First results on the situation with classical swine fever (CSF) in wild boars in R. of Macedonia. Proceedings of Days of Veterinary Medicine 2011, p.84-85, 2011 Sep 09-11, Ohrid, Macedonia
 - Mrenoski, S., Naletoski, I., Mitrov, D., Cvetkovic, I., Krstevski, K., Dzadzovski, I. and Markic, Z. (2011) Classical Swine Fever in Republic of Macedonia - Present State and Challenges (invited paper). Proceedings of IX Symposium for Health Care, Selection and Reproduction of Pigs, pp 41-51, 2011 May 26-28, Silver Lake (Veliko Gradiste), Serbia
 - Mitrov, D., Naletoski, I., Dovenski, T., <u>Mrenoški, S.</u>, Srbinovska, J. and Lazarova, I. (2006) Q-fever: application of serological (classical and immunoenzyme assays) and molecular methods (PCR) in the diagnosis and control of the disease in cattle. Proceedings of VIII Symposium in Veterinary Clinical Pathology With Therapy (Clinica Veterinaria 2006), 2006 Jun 26-30, Neum, Bosnia and Herzegovina
- Conference abstracts and scientific presentations
- <u>Mrenoshki, S.</u> (2019). The significance of microbiota and microbiome in veterinary reproduction. Main Lecture Società Italiana di Riproduzione Animale - SIRA, 73° Convegno SISVET | 19-22 June 2019, Olbia, Italy
- Cvetkovikj I, Angjelovski B, <u>Mrenoshki S</u>, Stefanovska J, Cvetkovikj A. (2018). Antimicrobial susceptibility of Escherichia coli isolated from farmed sows with postpartum dysgalactia syndrome. Book of abstracts of the Joint meeting 5th International Vet-Istanbul Group Congress & 8th International Scientific Meeting "Days of Veterinary Medicine 2018", p.167, Sep. 23-27 2018, Ohrid, Macedonia
- Dzimrevska, I., Kiprijanovska, H., <u>Mrenoshki, S.</u> (2017). Antimicrobial Activity of Honey Samples from the Republic of Macedonia. Abstract book of the 45th APIMONDIA International Apicultural Congress, p.25, Sep 29th - Oct 4th 2017, Istanbul, Turkey
- 34. Cvetkovikj I, Mrenoshki S, Krstevski K, Djadjovski I, Angjelovski B, Popova Z, Janevski A, Dodovski A, Cvetkovikj A.

(2016). Isolation and Molecular Identification of Mycobacterium bovis and Mycobacterium caprae from Slaughtered Reactor Cattle. Proceedings of the 7th International Scientific Meeting "Days of Veterinary Medicine 2016", Struga, Macedonia

- 35. Popova, Z., Krstevski, K., Djadjovski, I., Janevski, A., Mitrov, D., <u>Mrenoshki, S.</u>, Cvetkovikj, I. and Dodovski, A. (2015) Partial sequencing reveals the existence of one BTV-4 strain on whole territory of Macedonia during 2014 outbreak. Macedonian Veterinary Review 2015; 38 (Suppl. 1): 17-67, http://dx.doi.org/10.14432/j.macvetrev.2015.09.056 (*Proceedings of the 6th International Scientific Meeting "Days of veterinary medicine 2015", Sep 24-26 Struga, Macedonia*)
- Cvetkovikj, I., <u>Mrenoshki, S.,</u> Ratkova, M., Popova, Z., Djadjovski, I. and Krstevski, K. (2015) Outbreaks of listeriosis in small ruminants with different clinical manifestations in the Republic of Macedonia. Macedonian Veterinary Review 2015; 38 (Suppl. 1): 17-67, http://dx.doi.org/10.14432/j.macvetrev.2015.09.056 (*Proceedings of the 6th International Scientific Meeting "Days of veterinary medicine 2015", Sep 24-26 Struga, Macedonia*)
- Cvetkovikj, I., <u>Mrenoshki, S.</u>, Krstevski, K., Djadjovski, I., Angjelovski, B. and Cvetkovikj, A. (2014). Serology testing of rabies vaccination efficacy in pet animals in R. Macedonia in the framework of non-commercial movement of pet animals in the EU. Macedonian Veterinary Review Vol 37; Suppl.1 2014, p.22-23 (Abstracts from 5th International Scientific Meeting - Days of Veterinary Medicine 2014, 5-7 Sept., Ohrid, Republic of Macedonia)
- Dodovski, A., Krstevski, K., Cvetkovikj, I., Dzadzovski, I. and <u>Mrenoshki, S.</u> (2014) Molecular Survey of Infectious Bronchitis Virus in Commercial Flocks in Macedonia. Abstracts of 8TH International Symposium on Avian Corona- and Pneumoviruses and Complicating Pathogens & 2ND Annual Meeting of the COST Action FA1207, Rauischholzhausen, Germany, 2014 Jun 17-20.
- Krstevski, K., Djadjovski, I., Cvetkovikj, I., Janevski, A., <u>Mrenoshki, S.</u>, Mitrov, D., Naletoski, I. (2014) Situation with brucellosis in Macedonia since introduction of Rev-1 vaccination (epidemiological update). Book of Abstracts P.67, VET Istanbul group Congress 2014, Apr 28-30, Istanbul, Turkey.
- Kirandjiski, T., Nikolovska, G., Smilenovska-Mihajlovic, Biljana., Krstevski, K., Djadjovski, I., Cvetkovikj, I., Janevski, A., <u>Mrenoshki, S.</u> and Mitrov, D. (2013) Progress of Sheep and Goat Brucellosis Control in Republic of Macedonia. Proceedings and abstracts of Symposium "Brucellosis in Southeast Europe", p.45, Oct 16 – 19, Nis, Serbia.
- Krstevski, K., Djadjovski, I., Cvetkovikj, I., Janevski, A., <u>Mrenoshki, S.</u>, Kirandjiski, T., Naletoski, I. and Mitrov, D. (2013) Rev 1 Vaccination in Sheep and Goats – Diagnostic Challenges. Proceedings and abstracts of Symposium "Brucellosis in Southeast Europe", p.182, Oct 16 – 19, Nis, Serbia
- Cvetkovikj, I., <u>Mrenoshki, S.</u>, Krstevski, K., Djadjovski, I., Angjelovski, B., Gjurovski, I., Mitrov, D. and Cvetkovikj, A. (2013) Serology Testing of Rabies Vaccination Efficacy in Pet Animals: first year of experience in R. Macedonia. Abstract Book of the Rabies serology meeting 2013, Oct 1-2, Nancy, France.
- 43. Angjelovski, B., <u>Mrenoshki, S.</u>, Djurovski, I., Dejanoski, T. and Dovenski, T. (2013) An Analysis of Sow's (Re)Productive Performances Associated with Management Practices in Commercial Swine Farms in R. Macedonia. Proceedings of the 4th International Scientific Meeting "Days of veterinary medicine 2013", p.54, Sep 06-08, Struga, Macedonia
- Taleski, V., Zdravkovska, M., Markovski, V., Bosnjakovski, D. and <u>Mrenoski, S.</u> (2013) Control of Human Brucellosis in Endemic Area - Challenge for Veterinary and Human Medicine. Knjiga apstrakata - IX Kongres mikrobiologa Srbije, 30 May - 01 June, Beograd, Srbija.
- 45. Taleski, V., Zdravkovska, M., <u>Mrenoski, S.</u>, Markovski, V. and Bosnjakovski, D. (2013) Human Brucellosis in Macedonia: Past and Present. In: The 5th Eurasia Congress of Infectious Diseases, 15-18 May, Tirana, Albania.
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- 47. <u>Mrenoshki, S.</u>, Cvetkovikj, I., Cvetkovikj, A., Krstevski, K., Radeski, M., Djadjovski, I., Gjurovski, I., Kirandziski, T. and Mitrov, D. (2012) Rabies Diagnosis and Vaccination Monitoring in Republic of Macedonia in 2011 and 2012. Abstract Book of the 5th Workshop of the European Union Reference Laboratory for Rabies, Sep 26, Nancy, France
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- 49. <u>Mrenoski, S.</u>, Mitrov, D., Cvetkovikj, I., Cvetkovikj, A., Krstevski, K. and Dzadzovski, I. (2011) Update of rabies situation in Republic of Macedonia. Rabies scientific presentations of the 4th Workshop for Rabies, p 18, 2011 Sep 21, Nancy, France
- <u>Mrenoski S.</u>, Cvetkovikj, I., Krstevski, K., Dzadzovski, I., Naletoski, I. and Mitrov D. (2011) Epidemiology of clostridial infection of small rumminants and cattle in R. Macedonia in period 1992-2010. Proceedings of Days of Veterinary Medicine 2011, p 93, 2011 Sep 09-11, Ohrid, Macedonia
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- 52. Ristoski, T., <u>Mrenoski, S.</u> and Cvetkovic, I. (2007) First report of Circoviral infection in pigs in Republic of Macedonia. Proceedings of 25th Annual Meeting of the European society of Veterinary Pathology, p.173, 2007 Aug 29 - Sep 01,



Ludwig-Maximilians-University, Munich, Germany

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- 54. Mitrov, D., Naletoski, T., Stefanovska, J., Mrenoski, S., and Lazarova, I. (2006) Pleriminary serological investigation of Chlamydophila spp. by indirect ELISA in two diary farms in Macedonia. Proceedings of the Fourth Annual Workshop of COST Action 855 Animal Chlamydioses and Zoonotic Implications - Diagnosis, Pathogenesis and Control of Animal Chlamydioses, 2006 Sept 3-5, Moredun Research Institute, Edinburgh, Midlothian, Scotland, UK
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- 59. Olsen, J.E. and Mrenoski, S. Bacterial resistance to antimicrobials in a practical perspective (Review article, 2003). Improvement of Veterinary Education in R. Macedonia - Seminar in the field of Veterinary Microbiology, May 9-10, 2003. Ohrid. Macedonia.
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- 62. Markic, Z., Hristovski, M., Pejkoski, C., Mrenoski, S. and Davceva, O. (1999) First isolation and identification of Yersinia ruckeri in Salmo gairdneri Richardson in Republic of Macedonia. Proceedings of Microbiologia Balkanica '99 - First Balkan Conference of Microbiology, p.185, 1999 Oct 5-9, Plovdiv, Bulgaria
- 63. Sekulovski, P., Mrenoski, S. and Mitrov, D. (1999) Comparison of different cultural methods for enumeration of aerobic plate count in milk. Proceedings of 7th International Conference for Ovine and Caprine Production & 7th Symposium on Animal Reproduction, 1999, p.48, Sep 8-10, Ohrid, Macedonia
- 64. Prodanov, R., Dodovski, M., Mitevski, D., Dodovska, K. and Mrenoski, S. (1998) Salmonella infections in poultry in Republic of Macedonia from 1994 to 1997. Proceedings of VI Macedonian Poultry Days, pp 30-31, 1998 May 6-9, Ohrid, Macedonia
- 65. Sekulovski, P., Danev, M., Mitrov, D. and Mrenoski, S. (1997) Survey of surface and equipment hygiene at butcher's shops in Macedonia. Proceedings of the World Congress on Food Hygiene, 1997 Aug 24-29, Hague, Netherlands
- 66. Sekulovski, P., Markic, Z. and Mrenoski, S. (1997) Isolation of brucellas from the seropositive sheep. Proceedings of 1st Congresses of the Macedonian Microbiologists, p 38, 1997 May 14-17, Ohrid, Macedonia
- 67. Mrenoski, S., Markic, Z., Sekulovski, P. and Prodanov, R. (1997) Influence of the different test-mediums and different concentrations of inoculum on the zone of inhibition in antibiogram susceptibility testing. Proceedings of 1st Congresses of the Macedonian Microbiologists, p 22, 1997 May 14-17, Ohrid, Macedonia
- 68. Sekulovski, P., Buncic, O., Danev, M., Katic, V., Mrenoski, S. and Mitrov, D. (1997) Occurrence of Brucella mellitensis in sheep lymph nodes. Proceedings of XVth International Symposium of W.A.V.M.I.: Salmonellosis and Brucellosis as World Health Problems in Humans and Animals, 1997 Feb 16-21, Nicosia, Cyprus
- 69. Micevski, C., Markic, Z., Tosevski, J., Ristovski, T., Mrenoski, S. and Nikolovski, G. (1996) Dictiocaulosis in sheep with special notes at pathoanatomic and pathohistologic disorders. Proceedings of 4th International Conference for Ovine and Caprine Production & 2nd Symposium on Animal Reproduction, p 88, 1996 Sep 4-7, Ohrid, Macedonia

Projects participation

and international

- networks
- European Network for Optimization of Veterinary Antimicrobial Treatment (ENOVAT), COST Action CA18217, 15/11/2019 - 14/11/2023 (Management Committee Member)
- European Network of Vaccine Adjuvants (ENOVA), COST Action CA16231, 13/11/2017 12/11/2021 (Management . Committee Member)
- MediLabSecure, European project aiming to improve the surveillance of emerging viral diseases (respiratory viruses and member arboviruses) and the training of public health experts in the Mediterranean and Black Sea regions, 2014-2017 (Participant)
 - Towards Control of Avian Coronaviruses: Strategies for Diagnosis, Surveillance and Vaccination, COST Action FA1207,



29/04/2013 - 28/04/2017 (Management Committee Member; Vice Chair of the Action 03/12/2015-13/07/2016)

- Supporting Coordinated Control of Transboundary Animal Diseases with Socioeconomic Impact and that Affect Human Health, IAEA TC project RER/5/016, 2012-2013. Project Management Officer - Alessia Maria Rodriguez Y Baena [IAEA, TCEU], Technical Officer - Ivancho Naletoski [IAEA, NAFA]
- Molecular Epidemiology of Bovine Tuberculosis in Republic of Macedonia. Research Project funded by University Ss. Cyril and Methodius in Skopje, 01/10/2012 – 01/10/2013 (Principal Researcher - Project Manager)
- EDENext, Biology and control of vector-borne infections in Europe, FP7 research project, 01/01/2011-31/12/2014
- Capacity building of the veterinary service for implementation of EU Acquis, IPA-Project, Aug 2010 Dec 2012. The
 project Component 3 focuses its activities on Rabies and Classical Swine Fever having as medium/long term objective to
 eradicate the diseases from the country. The Faculty of Veterinary Medicine in Skopje, and Veterinary Institute as
 National Reference Laboratory (NRL) for Animal health, was in charge for all analyses related to the implementation of
 the programme. Project team leader: Ingus Celms (inguscelms@yahoo.co.uk) (Member of the Steering Committee)
- Supporting Early Warning and Surveillance of Avian Influenza Infection in Wild and Domestic Birds and Assessing Genetic Markers for Bird Resistance, IAEA RER/5/015, 2009-2012
- Synthesis of novel coumarin derivatives with potential biological activity and determination of their structures, bilateral
 project financed by the Ministries of Education and Science of the Republic of Macedonia and Republic of Bulgaria, 20072009
- Upgrading and Introduction of Sustainable Diagnostic Tools For The Major Transboundary Diseases of Animals in F.Y.R. of Macedonia (TRANSB_DIS_ANIM_MK), FP6 Project No. 043653, 01 May 2007 – 31 Jan 2010. Project coordinator Prof. d-r Ivancho Naletoski
- Porcine Circovirus Disease: towards improved food quality and safety within new member states and associated candidate countries, FP6 Project, Priority SSP/5.4.6. Specific Support Action (SSA), 01.01.2006 – 31.12.2009, Coordinator - University Road, Belfast, UK; Administrative contact - Gordon Allan
- Joint European Project (JEP), Tempus project CD_15017-2000. Improvement of Veterinary Education in the Former Yugoslav Republic of Macedonia, with the objectives to revise the curriculum for undergraduate studies at the Faculty of Veterinary Medicine in Skopje and engagement of the Faculty in the process of improvement of knowledge of veterinary surgeons (Lifelong learning). 01.04.2000 - 31.03 2003
- EU Phare project "Support to the Ministry of Agriculture, Forestry and Water Economy" include strengthening the policy development capability of MAFWE, and strengthening veterinary controls in the Republic of Macedonia, in line with EU standards. 1997 – 2000
- Training supervisor and trainer
- UN/IAEA funded training course on Diagnosis of infectious diseases that cause abortion and affect reproduction in animals (Brucellosis, Chlamydiosis, Q-Fever, Listeriosis and Salmonellosis). (Fellow: Maggie Tjimbidzani Bagali, BOTSWANA, Code No. BOT/14008; IAEA TC project: Using Nuclear and Molecular Techniques for Early and Rapid Diagnosis and Control of Transboundary Animal Diseases, BOT5011), 11/01/2014 – 09/04/2015, Skopje, Macedonia
- UN/IAEA funded training course on Pathohistological, pathological, biochemical and molecular assessment of pathological conditions and diseases in animals (Fellow: Tserenjav Jargalsaikhan, MONGOLIA, Code No. MON/13010; IAEA TC project: Enhancing Analytical Equipment for Animal Disease Prevention, Diagnosis and Surveillance), 02/11/2014 – 30/01/2015, Skopje, Macedonia
- UN/IAEA funded training course of Practical classes on detection and differentiation of Brucellosis, FVM, Bovine tuberculosis, Salmonellosis, Newcastle disease and Avian influenza (Fellow: Ms. Mandishukusha Gloria Patsanza, ZIMBABWE, Code No. ZIM/14001; IAEA TC project: Strengthening Food Security and Safety by Advancing Technologies for the rapid Diagnosis of Diseases of major Economic and Zoonotic Importance and for Residue/Pesticide Control in Animals and Animal Products, Oracle project Number 2061162, ZIM5016), 08/03 -29/03/2014, Skopje, Macedonia
- UN/IAEA funded training course on Applying of diagnostic techniques for better assessment of bacterial diseases and control measures, including Bovine Tuberculosis (Fellow: Ms. Julie Ravaomanana, MADAGASCAR, Code No. MAG/09007; IAEA TC project: Applying Nuclear Techniques to Optimize Animal Production, MAG/5/016), 05/11/2013 – 27/01/2014, Faculty of veterinary Medicine, Skopje, Macedonia
- Practical training in Laboratory Diagnostic Techniques for Rabies of Laboratory Staff from The Food Safety and Veterinary Institute, Tirana, ALBANIA, in Laboratory for Rabies at Veterinary Institute of Faculty of Veterinary medicine (Ss. Cyril and Methodius in Skopje, Republic of Macedonia), in accordance with the proposal approved by the European Union Delegation to Albania (SERVICE CONTRACT No EuropeAid/128304/C/SER/AL, EU contract No.: 2009/223-812, Administrative Order No. 93 of 23 October 2013), 28/10/ – 22/11/2013, Skopje, Macedonia
- UN/IAEA funded training course on Upgrade of Diagnostic knowledge for Brucellosis (Fellow: Ms. Nancy Wambugu, KENYA, Code No. KEN/10016; IAEA TC project: Applying Nuclear Techniques to Optimize Animal Production, KEN/5/028), 08/05/ – 07/07/2013, Faculty of Veterinary Medicine, Skopje, Macedonia
- UN/IAEA funded training course on Upgrade of Diagnostic knowledge for Brucellosis (Fellow: Mr. Salah Mohammed Ali, SUDAN, Code No. SUD/10003; IAEA TC project: Human Resource Development and Nuclear Technology Support [Oracle Project No. 6060044], RAF/0/029), 07/02/ – 06/04/2013), Faculty of Veterinary Medicine, Skopje, Macedonia
- UN/IAEA funded training course on Advanced Molecular Diagnostics in the field of Animal Diseases with emphasis on Brucellosis (Fellow: Mr. Abd Elnassir Taha, SUDAN, Code No. SUD/10004; IAEA TC project: Human Resource Development



attended

and Nuclear Technology Support [Oracle Project No. 6060044], RAF/0/029), 11/06/ – 10/08/2012, Faculty of Veterinary Medicine, Skopje, Macedonia

Trainings • Human and Veterinary Vaccinology Course, 19 - 23 Nov 2018, University of Oxford, UK

- Biosafety Officer Training, organized by EuFMD, 2015 Jan 20-22, Skopje, Macedonia
 - Workshop/training on molecular diagnosis of relevant zoonotic arboviruses, 2015 Jun 15-19, INIA-CISA, Valedeolmos -Madrid, Spain,
 - European Regional Training Course on The Rapid and Confirmatory Diagnosis of Avian Influenza H7N9, 2013 Aug 19-30, IAEA Laboratories in Seibersdorf, Austria (UN/IAEA TC Project RER/5/016 – Supporting Coordinated Control of Transboundary Animal Diseases with Socioeconomic Impact and that Affect Human Health)
 - UN/IAEA Regional Training Course: Advanced Bioinformatic and Genomic Tools for Enhanced Quality Assurance and Quality Control in Diagnostic Laboratory Practice, 2011 Jul 11-22, IAEA Laboratories in Seibersdorf, Austria (UN/IAEA project Supporting Early Warning and Surveillance of Avian Influenza Infection in Wild and Domestic Birds and Assessing Genetic Markers for Bird Resistance, Ref.: C7-RER-5.015-004, IAEA).
 - Full laboratory training for diagnostics and eradication of Classical Swine Fever virus (CSFV) at the Institute of Diagnostic Virology. 2007 Nov 1-29, Friedrich-Loeffler-Institut (FLI), Insel Riems, Germany (FP6 Project No. 043653 - Upgrading and Introduction of Sustainable Diagnostic Tools for the Major Transboundary Diseases of Animals in F.Y.R. of Macedonia, TRANSB_DIS_ANIM_MK)
 - Basic laboratory methods for detection of viruses with particular accent on carnivore and ruminant viruses, 2000 May 03
 Jun 09, Department of Health and Animal Welfare Infection Diseases Section, Faculty of Veterinary Medicine Valenzano, University of Bari, Italia
 - Training of Laboratory scientists in diagnostic techniques for the MCVP Phare programme: Classical and African Swine Fever, 1999 Feb 15-26, CISA, Valdeolmos (Madrid), Spain
 - Introductory HACCP Course and Meat and Diary Microbiology Training, 1998 December, Minnesota, USA

Workshops
attendedFirst International regenerative medicine workshop - Introduction to cell-based-and platelet rich plasma (PRP) therapies:
Clinical-translational approach, 12 September 2019, Skopje, North Macedonia

- TAIEX Workshop on Action Plan on Communicable Diseases, 17-19 September 2018, Skopje, Macedonia
- TAIEX Workshop on Control of Campylobacter Infections in Poultry, in cooperation with Food and Veterinary Agency of Republic of Macedonia and Faculty of Veterinary Medicine in Skopje, 2017 Mar 14-15, Skopje, Macedonia
- Gli effetti negativi dell'estate sulle bovine da latte si ripercuotono fino all'inverno: misure pratiche di prevenzione e controllo (*The negative effects of summer on dairy cows affect the winter: practical prevention and control measures*), 2016 July 06, Universita degli studi Aldo Moro Valenzano (BA), Italy
- 7th EURL workshop of the EU Rabies National Reference Laboratories, 2015 May 27-28, Zagreb, Croatia
- Workshop on Animal Health Prevention and control of emerging animal diseases, organized by TAIEX & Food and Veterinary Agency of Republic of Macedonia, 2015 Mar 16-17, Skopje, Macedonia
- Workshop on Animal Health Prevention Vector borne and parasitological diseases, organized by TAIEX in co-operation with Food and Veterinary Agency of Republic of Macedonia, 2014 Nov 24-26, Skopje, Macedonia
- Workshop on Vector born Diseases and Antivectorial Fight, organised by TAIEX in co-operation with State Sanitary and Health Inspectorate of Ministry of Health of Republic of Macedonia, 2014 Jun 30 Jul 01, Skopje, Macedonia
- 18th Annual Workshop of the National Reference Laboratories for Fish Diseases, 2014 June 3-4, National Veterinary Institute, Technical University of Denmark, Copenhagen, Denmark
- Workshop on FMD contingency planning for National Reference Laboratories, organized by EuFMD, 2014 Apr 8 10, Kraljevo, Serbia
- 6th EURL Workshop of the EU Rabies National Reference Laboratories, 2013 Nov 13-14, Athens, Greece
- RER/5/016/9002/01 Joint IAEA/FAO/OIE Regional Stakeholder Workshop on Awareness Raising for Veterinarians Involved in the Control of Transboundary Animal Diseases (TADs), as a part of TC Project RER/5/016 – Supporting Coordinated Control of Transboundary Animal Diseases with Socioeconomic Impact and that Affect Human Health, 2013 Oct 16-18, VIC Vienna, Austria
- RER/5/016/9003/01 Regional Workshop on Coordinated Control of Emerging and re-Emerging Transboundary Animal Diseases, 2013 Jun 18-20, Athens, Greece
- 5th EURL Workshop of the EU Rabies National Reference Laboratories, 2012 Sep 26-27, Malzéville, Nancy, France
- Regional Classical Swine Fever simulation exercise for decision-makers, organized by the IPA Multi-beneficiary Project supporting the control and eradication of animal diseases in the Western Balkans. IPA Multibeneficiary Project - Western Balkans (EuropeAid/129988/C/SER/MULTI), 2012 Jun 11-13, Ohrid, Macedonia
- IAEA RER5016, Regional Workshop on exchange of SOPs and Harmonized Methods for targeted TADs, as a part of the project Supporting Coordinated Control of Transboundary Animal Diseases with Socioeconomic Impact and that Affect Human Health, 2012 Apr 3-5, VIC Vienna, Austria
- Final workshop of the FP6 Project "Upgrading and introduction of sustainable diagnostic tools for the major transboundary diseases of animals in F.Y.R. of Macedonia" (TRANSB_DIS_ANIM_MK; 043653). 2010 Jan 27-29, Ohrid, R. of Macedonia

Curriculum Vitae



- FP6, Priority SSP/5.4.6. Specific Support Action (SSA) Project "Porcine Circovirus Disease: towards improved food quality and safety within new member states and associated candidate countries" Workshop No.2, 2007 May 15-16, Solaris, Croatia
- FP6, Priority SSP/5.4.6. Specific Support Action (SSA) Project "Porcine Circovirus Disease: towards improved food quality and safety within new member states and associated candidate countries" Workshop No.1, 2006 Mar 22-23, Veterinary Research Institute, Brno, Czech Republic
- World Health Organisation for Animal Health (OIE), EU Commission DG SANCO with support of the Government of Macedonia. Seminar on the Dialogue and Common Activities between the OIE Member Countries of the EU and other OIE Member Countries of the OIE Regional Commission for Europe. 2006 Apr 04-05, Skopje, Macedonia
- Ministry of Agriculture, Forestry and Water Economy of R. of Macedonia (MAFW), Veterinary Directorate & Agriconsalting Europe S.A. Project "MAFW Structural and Low Reform". Control point 8.5.b: "Workshop for the laboratory staff (topics: National reference laboratory function, conditions and obligations; Introduction to good laboratory practice, and Quality system ISO 17025 Directions for implementation)". 2006 Mar 29, Skopje, Macedonia
- FAO Regional Project TCP/RER/0066 Workshop: "Emergency Control of Transboundary Diseases of Livestock in Southern and Eastern Europe", Final National Project Coordinators Meeting, 2002 Jul 08-11, Skopje, Macedonia
- First Macedonian Immunology School organized by the Immunology department of the Medical Faculty in Skopje, 1998 Feb 09-13, Skopje, Macedonia

Expert group for implementation of measurements and eradication of bluetongue disease in Republic of Macedonia,

- Balkan Animal Health Workshop, organized by US Department of Agriculture, 1997 Apr 09-12, Ohrid, Macedonia
- Expert's Activities (Member of)
- Established by the Food and Veterinary Agency in August 2014.
 Commission for estimation of epidemiological situation with brucellosis in cattle, sheep and goats, designated by Minister of Aprila Iburg Security (2007).
 - Ministry of Agriculture, Forestry and Water Economy of Republic of Macedonia (MAFW) Veterinary Directorate (2007)
 Working Group which create the long-term programme for monitoring and eradication of brucellosis in sheep and goats, designated by Ministry of Agriculture, Forestry and Water Economy of R. of Macedonia (MAFW) Veterinary Directorate (2006)
 - Workgroup that design Quality Manual and implement ISO17025 standard at FVMS (2007-2008)
 - Workgroup which developed Laboratory Information System (LABIS), designed for collection of epidemiological data about infectious/parasitological diseases in Republic of Macedonia, as a part of National Epidemiological Information System (NEIS) (2002)
 - Expert team for preparing of Book of rules for measurements for prevention, control, suppression and eradication of classical swine fever in pigs, and Plan for emerged intervention for suppression of classical swine fever in pigs, designated by Ministry of Agriculture, Forestry and Water Economy of R. of Macedonia (MAFW) (2001)

Membership • Veterinary Chamber of Republic of Macedonia

- Macedonian Microbiological Society
- Local Editorial Board of 'Macedonian Veterinary Review'
- Editorial Board of 'Jacobs Journal of Veterinary Science and Research'
- National Committee for Rabies Control in Republic of Macedonia, Established by the national FVA
- Secretariat of the XVII Epizootiologists and Epidemiologists Symposium (XVII Epizootiological days), 23-24 April 2015, Niš, Serbia
- Scientific Committee of V Congress of Macedonian Microbiologists with international participation, 2014 May 28-31, Ohrid, Macedonia
- Scientific Committee of the International Congress "Veterinary Science and Profession 2013", Oct 3-4, Faculty of Veterinary Medicine, University of Zagreb, Croatia
- Organizing and Scientific Committees of the Scientific Symposium "Days of Veterinary Medicine" 2010, 2011, 2012, 2013, 2014 2015, 2016, 2017 and 2018, Macedonia
- Scientific Committee of the X and XI Symposium for Animal Health, Selection and Reproduction of Pigs, 2012 and 2013, Silver lake (Veliko Gradiste), Serbia
- Scientific Committee of VI Balkan Congress of Microbiology (Microbiologia Balkanica 2009) and IV Congress of Macedonian Microbiologists with international participation, 2009 Oct 28-31, Ohrid, Macedonia
- Peer Reviewer Macedonian Veterinary Review, Macedonia
 - Open Access Macedonian Journal of Medical Sciences (OAMJMS) [formerly known as Macedonian Journal of Medical Sciences], Macedonia
 - Shota Rustaveli National Science Foundation (SRNSF), Georgia

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