







PERSONAL INFORMATION

Vladimir Petkov

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Sex male | Date of birth 11/01/1964 | Nationality Macedonian

WORK EXPERIENCE

- (1989-2004) **Doctor of Veterinary Medicine**  
Veterinary Institute, Skopje Institute for Reproduction  
**University Professor**
- (2004-) Ss. Cyril and Methodius University in Skopje, Faculty of Veterinary Medicine – Skopje, Functional morphology department - Animal physiology

EDUCATION AND TRAINING

- (1983-1990) **Doctor of Veterinary Medicine (DVM)** EQF7  
Veterinary Faculty, Zagreb, Croatia
- (1990-1992) **Master of Sciences (MSc)** EQF8  
Department for reproduction, parturition and AI, Veterinary Faculty, Zagreb, Croatia
- (1995-2000) **Doctor of Sciences (PhD)** EQF8  
Ss. Cyril and Methodius University in Skopje, Faculty of Veterinary Medicine – Skopje
- Veterinary Medicine

PERSONAL SKILLS

Mother tongue(s) Macedonian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B1	B1	B1	B2
	NA				

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user  
Common European Framework of Reference for Languages

Communication skills ▪ Good communication skills with within academic workplace

Organisational / managerial skills ▪ Good organizational skills within academic workplace  
Job-related skills ▪ Educational skills at university level;  
▪ Laboratory skills

Computer skills Good skills for the following software packages:  
▪ Microsoft Office™ tools

Other skills NA

▪

Driving licence

- AM category;
- B;
- F;
- G.

## ADDITIONAL INFORMATION

### Publications

- Nikolovski, M., Petkov, V., Percinic, Popovska, F., Pendovski, L., Dovenska, M., Atanasov, B., & Dovenski, T. (2018). Utilizing homologous ram seminal plasma in semen extenders for increasing the spermatozoa viability and motility assets following cryopreservation. *Reproduction in Domestic Animals* 53, 173-173.
- Nikolovski, M., Dovenska, M., Ilievska, K., Adamov, N., Atanasov, B., Radeski, M., Kirovski, D., Petkov, V., & Dovenski, T. (2019). Homologous seminal plasma and glutathione promote pre-capacitation motility and structural stability of cryopreserved ram spermatozoa. *Mac Vet Rev* 42(2), 169-179
- Adamov, N., Atanasov, B., Ilievska, K., Nikolovski, M., Dovenska, M., Petkov, V., & Dovenski, T. (2020). Allele and genotype frequencies of the kappa-casein (CSN3) locus in Macedonian Holstein-Friesian cattle. *Mac Vet Rev* 43(1), 45-54.
- Dovenski, T., Nikolovski, M., Atanasov, B., Percinic, P. F., Dovenska, M., Adamov, N., Mickov, Lj., Petkov, V. (2021). Ram sperm quality and fertility in intensive breeding systems. In Lazarevic, M. (Eds.), XII Scientific Symposium "Reproduction in Domestic Animals" Proceedings (pp. 67-74). Faculty of Veterinary Medicine, Belgrade
- Nikolovski, M., Bozhinovski, D., Mickov, Lj., Dovenska, M., Adamov, N., Atanasov, B., Petkov, V., Dovenski, T. (2021). Post-thaw extending of ram spermatozoa with soybean-lecithin extender triggers higher viability and non-progressive motility. *Reproduction in Domestic Animals* 57 (S1), 113
- Dovenski T., Trojacanec P., Atanasov B., Nikolovski M., Petkov V., Popovska-Percinic F., Dovenska M., Grizelj J., Vince S. (2022). Novelties in ovine assisted reproductive technologies – a review. *Mac Vet Rev* 45(2): 109-125. <https://doi.org/10.2478/macvetrev-2022-0018>
- Nikolovski, M., Dovenska, M., Bozhinovski, D., Mickov, Lj., Atanasov, B., Adamov, N., Dovenski, T., & Petkov, V. (2022, September 22-25). The effect of homologous seminal plasma and reduced glutathione on thawed ram sperm viability and motility [conference presentation abstract]. 9th International Scientific Meeting Days of Veterinary Medicine 2022, Ohrid, N. Macedonia
- Dovenska, M., Mickov, Lj., Atanasov, B., Petkov, V., Nikolovski, M., Dovenski, T., & Popovska-Perchinikj, F. (2022, September 22-25). Assessment of in vitro maturation rate of porcine oocytes selected by brilliant cresyl blue staining [conference presentation abstract]. 9th International Scientific Meeting Days of Veterinary Medicine 2022, Ohrid, N. Macedonia
- Mickov, Lj., Atanasov, B., Nikolovski, M., Dovenska, M., Esmerov, I., Adamov, N., Petkov, V., & Dovenski, T. (2022, September 22-25). Kinetic parameters of chilled boar spermatozoa from different porcine breeds [conference presentation abstract]. 9th International Scientific Meeting Days of Veterinary Medicine 2022, Ohrid, N. Macedonia
- Mickov, L., Atanasov, B., Esmerov, I., Dovenska, M., Nikolovski, M., Petkov, V., Dovenski, T. (2022, September 28 – October 2). The effect of centrifugation on kinetic parameters of cryopreserved boar spermatozoa [poster session abstract]. Proceedings of the 25th Annual Conference of the European Society for Domestic Animal Reproduction (ESDAR), Thessaloniki, Greece
- Dovenska, M., Mickov, L., Nikolovski, M., Atanasov, B., Petkov, V., Pendovski, L., Dovenski, T., Popovska-Perchinikj, F. (2022, September 28 – October 2). Assessment of Brilliant Cresyl Blue (BCB) staining as a quality indicator for developmental ability of porcine oocytes [poster session abstract]. Proceedings of the 25th Annual Conference of the European Society for Domestic Animal Reproduction (ESDAR), Thessaloniki, Greece
- Dovenski, T., Nikolovski, M., Atanasov, B., Popovska-Percinic, F., Petkov, V., Dovenska, M., Mickov, Lj., Kocoski, Lj., Vince, S., Juraj, G. (2022). Recent advances in sheep and goat reproduction. In Gvozdic, D. (Ed.), XIII Scientific symposium "Reproduction of domestic animals" Proceedings (pp. 117-128). Faculty of Veterinary Medicine, Belgrade
- Nikolovski, M., Dovenska, M., Bozhinovski, D., Mickov, Lj., Atanasov, B., Dzabirski, V., Porchu, K., Petkov, V., Dovenski, T. (2022, 12-14 October). The effect of extending ram sperm before and after cryopreservation on their viability and velocity [conference presentation abstract]. Book of abstract of the IV International Symposium for Agriculture and Food, Ohrid, N. Macedonia

- Presentations**
- Nikolovski, M., Dovenska, M., Bozhinovski, D., Mickov, Lj., Atanasov, B., Adamov, N., Dovenski, T., & Petkov, V. (2022, September 22-25). The effect of homologous seminal plasma and reduced glutathione on thawed ram sperm viability and motility [conference presentation]. 9th International Scientific Meeting Days of Veterinary Medicine 2022, Ohrid, N. Macedonia
  - Nikolovski, M., Bozhinovski, D., Mickov, Lj., Dovenska, M., Adamov, N., Atanasov, B., Petkov, V., Dovenski, T. (2021). Post-thaw extending of ram spermatozoa with soybean-lecithin extender triggers higher viability and non-progressive motility. *Reproduction in Domestic Animals* 57 (S1), 113.
  - Nikolovski, M., Dovenska, M., Bozhinovski, D., Mickov, Lj., Atanasov, B., Adamov, N., Dovenski, T., & Petkov, V. (2022, September 22-25). The effect of homologous seminal plasma and reduced glutathione on thawed ram sperm viability and motility [conference presentation abstract]. 9th International Scientific Meeting Days of Veterinary Medicine 2022, Ohrid, N. Macedonia
  - Nikolovski, M., Dovenska, M., Bozhinovski, D., Mickov, Lj., Atanasov, B., Dzabirski, V., Porchu, K., Petkov, V., Dovenski, T. (2022, 12-14 October). The effect of extending ram sperm before and after cryopreservation on their viability and velocity [conference presentation abstract]. Book of abstract of the IV International Symposium for Agriculture and Food, Ohrid, N. Macedonia
  - Nikolovski, M., Dovenska, M., Bozhinovski, D., Jovanov, S., Atanasov, B., Petkov, V., Dovenski, T. (2023, 21-23 September). Separate and combined supplementation of tris and seminal plasma during equilibration of ram ejaculates yields different sperm viability and motility patterns [poster session abstract]. *Reproduction in Domestic Animals* 58(S2) 250, Nantes, France <https://doi.org/10.1111/rda.14442>
- Projects (National)**
- (2017-2018) - Influence of seminal plasma and reduced glutathione on preservation of spermatozoa biological integrity in cryopreserved ejaculates of ovchepolska pramenka – Ss. Cyril and Methodius University in Skopje
  - (2021-2022) - Validation of 19 microsatellite DNA markers for individuality identification and parental testing in dogs (*Canis lupus familiaris*) – Ss. Cyril and Methodius University in Skopje
  - (2023) - Cryopreservation of dog semen, endoscopic examination of the reproductive tract and transcervical endoscopic insemination – Ss. Cyril and Methodius University in Skopje
  - (2023) – Prevalence and incidence of *Neospora canicum* in dairy cattle farms
- Projects (International)**
- (2020-2022) - Molecular study of the oocytes with different developmental competence – Faculty of veterinary medicine – Skopje, Ss. Cyril and Methodius University in Skopje
- COST actions Programs**
- (2017-2021) - Maternal interaction with gametes and embryos, FA COST Action CA16119
  - (2018-2023) - Program for preservation of animal livestock diversity - Ministry of agriculture, forestry and water economy of N. Macedonia
  - (2023-2028) – Strategies for improvement of the genetic potential in small dairy cow farms with use of sexed semen and embryo transfer
- Conferences**
- (23-27 September 2018) - Joint meeting 5-th International Vet-Istanbul group congress and 8-th International Scientific Meeting; Days of Veterinary Medicine 2018, Ohrid, R. Macedonia
  - (22-25 September 2022) - 9th International Scientific Meeting Days of Veterinary Medicine 2022, Ohrid, N. Macedonia
  - (12-14 October, 2022) – IV International symposium for agriculture and food, Ohrid, N. Macedonia
- Workshops**
- (23-27 September 2018) - Joint meeting 5-th International Vet-Istanbul group congress and 8-th International Scientific Meeting; Days of Veterinary Medicine 2018, Ohrid, R. Macedonia
  - (22-25 September 2022) - 9th International Scientific Meeting Days of Veterinary Medicine 2022, Ohrid, N. Macedonia
- Memberships**
- European Society for Domestic Animal Reproduction (ESDAR)