

PERSONAL INFORMATION

Toni Dovenski



 38 Varazdinska, 1300 Kumanovo, R. Macedonia

 +389 2 3240712  +389 71 369303

 dovenski@fvm.ukim.edu.mk

 <https://www.researchgate.net/profile/Toni-Dovenski>

 Skype toni.dovenski

Sex male | Date of birth 06/09/1962 | Nationality Macedonian

WORK EXPERIENCE

2004 – present

Professor in Animal Reproduction, Institute of Reproduction and biomedicine, Faculty of Veterinary Medicine Skopje, Ss Cyril and Methodius University

1999 – 2004

Department of Reproduction, Veterinary Institute Skopje, Researcher

1988 – 1999

Department of Reproduction, Veterinary Institute Skopje, Research Assistant

1987 - 1988

Veterinary Clinic “Kumanovo”, field Veterinarian

Faculty of Veterinary Medicine, Ss. Cyril and Methodius University, Lazar Pop Trajkov 5-7. 1000 Skopje, R. Macedonia, tel. +38923240700 www.fvm.ukim.edu.mk

- Education of DVM students in Animal reproduction, Ambulatory Clinic and Heard Health Management. Research in the field of Animal reproduction (biotechnology MOET, IVF, OPU in ruminants, gametes cryopreservation, ovarian diseases, bovine infertility
- At the present: Acting Dean of the Faculty of Veterinary Medicine Skopje

Business or sector Education and research

EDUCATION AND TRAINING

1994 – 1998

- Doctor of Biomedical Sciences (in the field of Veterinary Medicine)
PhD thesis title “Comparison of ultrasound images of ovaries and blood level of Progesterone and Estradiol during estrous cycle, in postpartum period and in infertile cows “ at the Veterinary Faculty in Zagreb, Croatia, Head and Supervisor: Prof dr. Miroslav Herak

1990 – 1993

- Master of Science (MSc) Postgraduate studies in Cattle Reproduction
Veterinary Faculty in Zagreb, Croatia, in duration of 4 semesters.

1981 – 1987

- Veterinary Faculty in Belgrade, Yugoslavia, (10 semesters)

PERSONAL SKILLS

Mother tongue(s) Macedonian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C1	C1	C1
Replace with name of language certificate. Enter level if known.					
French	B1	B1	A2	A1	A1

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 in Herd health and production management in Dairy Farm Animals
- Skills Ultrasonography of reproductive organs in domestics animals, as well as in Assited reproductice technologies
- Good contact skills with postgraduate and PhD students during mentorships

Official positions

- From 2023 to present Acting Dean of the Faculty of Veterinary Medicine Skopje, Ss Cyril and Methodius University

- From 2021 to 2023 Head of the Institute of Reproduction and Biomedicine
- From 2018-2021 Vice-Dean for finance at the Faculty of Veterinary Medicine Skopje (FVMS)
- From 2016 to 2018 Head of the Institute of Reproduction and Biomedicine
- From 2004 to 2009, Vice-dean for science at the Faculty of Veterinary Medicine Skopje (FVMS), Ss. Cyril and Methodius University
- From 2004 to 2009, Coordinator of the Postgraduate study curriculum of FVMS
- Scientific Committee Member: "Scientific-expert meeting 'Veterinary Science and Profession" October, 2009 Zagreb, Croatia

Organisational / managerial skills

- From 1997 to 2003: Secretary of the Scientific Committee of the International Conference for Ovine and Caprine Production & Symposium of Animal Reproduction
- From 1998 to present: Country representative of European Society of Domestic Animal Reproduction (ESDAR)
- From 2002 to 2008: Member of Int. Organizing committee of the Symposium on Veterinary Clinical Pathology and Therapy "Clinica Veterinaria" (President in 2005)

Job-related skills

- 1995-1997 Editor in chief of the scientific journal „Macedonian Journal of Reproduction“
- 1996 – 2004 Vice president of the "Macedonian Veterinary Chamber"
- 20012 – present President of "Macedonian Association for Buiatics"
- 2013 Member of Statutory Body of "Veterinary Chamber of Macedonia"
- Member of International Editorial Board of The Macedonian Veterinary Review (Mac Vet Rev) p-ISSN1409-7621; e-ISSN 1857-7415

Computer skills

- Word, Excel, Power Point, Access, Statistical programs, Internet

ADDITIONAL INFORMATION

Publications

- Atanasov B., De Koster J., Bommelé L., Dovenski T., Opsomer G., Pathways of the dominant follicle after exposure to sub-luteal circulating progesterone concentrations are different in lactating dairy cows versus non-lactating heifers, *Anim Reprod Sci.* 2015 Mar;154:8-15
- Pérez-Pardal, L., Grizelj, J., Traoré, A., Cubric-Curik, V., Arsenos, G., Dovenski, T., Marković, B., Fernández, I., Cuervo, M., Álvarez, I., Beja-Pereira, A., Curik, I. and Goyache, F. (2014), Lack of mitochondrial DNA structure in Balkan donkey is consistent with a quick spread of the species after domestication. *Animal Genetics*, 45: 144–147. doi: 10.1111/age.12086
- Tarek Khalifa, Constantinos Rekkas, Foteini Samartzi, Aristotelis Lymberopoulos, Kostas Kousenidis, Toni Dovenski, 2014, Highlights on artificial insemination (ai) technology in the pigs, *macvetrev* 2014; 37(1): 5-34.
- Arbanasić, H., Galov, A., Ambriović-Ristov, A., Grizelj, J., Arsenos, G., Marković, B., Dovenski, T., Vince, S. and Čurik, I. (2013), Extensive polymorphism of the major histocompatibility complex *DRA* gene in Balkan donkeys: perspectives on selection and genealogy. *Animal Genetics*. 44: 711–716. doi: 10.1111/age.12054
- Grizelj J., Vince S., Samardžija M., Gonzalez de Bulnes A., Dovenski T., Turmalaj L., Ževrnja B., Use of ultrasonography to detect ovarian response in goats submitted to multiple ovulation and embryo transfer program, *Vet. arhiv* 83, 125-134, 2013

Projects

- ASO project 04_01_2008 (Austrian Science and Research Liaison): Balkan Network of Biotechnology in Animal Reproduction for the Protection and Restoration of Animal Genetic Resources in the Region June 1st, 2008 - April 2009 (coordinator)
- Macedonian-Croatian Joint Research project: Optimization of the superovulation procedure, cryopreservation and transfer of goat embryos 2009-2010
- SEE-ERA.NET PLUS project ERA 083, Sustainable production of traditional cheeses from local sheep milk in the Balkans“ 2010-2012 (Macedonian coordinator)
- Protocoles non-hormonales de la reproduction des chèvres et l'amélioration de la production laitière, AUF project (Agence universitaire de la Francophonie) 2012-2013
- L'optimisation des paramètres de reproduction, de génétique et de santé pour l'amélioration de la production des troupeaux de chèvres. AUF project 2017-2018

Conferences

- 4th General Meeting of GEMINI (Maternal communication with Gametes and Embryo), GEMINI COST Action FA0702, 30th September – 2nd October 2011, Gijon, Spain
- 10th National Congress of SIRA (Italian Society of Animal Reproduction) & 1st Balkan Conference on Biology and Reproduction in Farm Animals and in Aquaculture, May 2012, Tirana Albania
- Scientific Meeting "Sustainable production of traditional cheeses from local sheep milk, in the Balkans" December 2012, Thessaloniki, Greece
- 13. Middle European Buiatric Congress, June 2013, Belgrade, Serbia

- Influence of seminal plasma and reduced glutathione in the preservation of sperm biological integrity in cryopreserved ejaculates from Ovchepolska Pramenka, National project UKIM 2016-17
- Program for the protection of biological diversity in livestock farming, Ministry of agriculture, forestry and water economy 2012-2023
- Molecular investigations of the oocytes with different developmental competence, Bilatera; Project with Constantine the Philosopher University in Nitra, Slovakia 2020-2021

Memberships

- ESDAR (Board member 2017-2023), MC COST Actions

List of articles (published in the last 5 years):

1. Atanaskova Petrov E., Ulcar I., Celeska I., Ilievska K., Spasovska Trenkovska P., Novakov T., Krstevski K., Dovenski T., Stefanovska J., Effects of Doxycycline treatment on hematological and blood biochemical parameters in dogs naturally infected with Ehrlichia Canis, Mac Vet Rev 2018; 41 (1): 99-105; doi: [2478/macvetrev-2018-0011](https://doi.org/10.2478/macvetrev-2018-0011)
2. Nikolovski M., V. Petkov, F. Popovska Percinic, L. Pendovski, M. Dovenska, Atanasov B., Dovenski T. Utilizing homologous ram seminal plasma in semen extenders for increasing the spermatozoa viability and motility assets following cryopreservation, 2018, Reproduction in Domestic Animals 53(suppl. 2):173
3. Stojanov B., Atanasov B., Grizelj, J., Vince S., Nikolovski M., Radeski M., Dovenski T., Samardzija M, Treatment with GnRH on day 5 after AI may increase the conception rate in lactating dairy cows during the hot season, 2018, Reproduction in Domestic Animals, 53(S2):214
4. Jasari B., Atanasov B., Celeska I., Radeski M., Nikolovski M., Dovenski T., Metabolic profile and hormonal status comparison between primiparous and multiparous non-cyclic cows, Mac Vet Rev 2018; 41 (2): 195-201 <https://doi.org/10.2478/macvetrev-2018-0022>
5. Dovenska Monika, Martin Nikolovski, Florina Popovska-Perchinic, Toni Dovenski, Monika Nommm, Ulla Jaakma, IVF blastocyst development rate assessment using oocytes with different quality, Days of veterinary medicine 2018, p.131
6. Nikolovski M. Dovenska M., Adamov M., Atanasov B., Pendovski L., Popovska Percinic F., Petkov V., Dovenski T., Utilization of reduced glutathione and autologous seminal plasma as semen extender additives in preventing cryodamage on structural and morphological assets of ram spermatozoa, Days of veterinary medicine 2018, p. 36-37.
7. Angelovski B., Bojkovski J., Radeski M., Cvetkovikj A., Cvetkovikj I., Dovenski T., Prevalence and clinical signs of postpartum dysgalactiae syndrome in farmed sows in the Republic of Macedonia, Days of veterinary medicine 2018, p. 65
8. Dovenski T., Branko Atanasov, Igor Esmerov, Boris Stojanov, Besir Jašari, Milan Maletić, Induction and synchronization of the bovine estrous cycle - practical application in the management of reproduction in dairy farms, 29. Savetovanje veterinarara Srbije, Zlatibor, 2018, 179-187
9. Atanasov B. Opsomer G., Dovenski T., A better insight into estrus synchronization programs implemented to increase the reproductive efficiency in dairy herds, 9. Scientific symposium „Reproduction of domestic animals” p. 87-104, Divcibare 2018
10. Angelovski Branko, Miroslav Radeski, Igor Djadjovski, Dine Mitrov, Jovan Bojkovski, Nikola Adamov, Toni Dovenski Prevalence and clinical signs of Postpartum Dysgalactia Syndrome at the first day after farrowing in farmed sows in the Republic of Macedonia, Mac Vet Rev 2019; 42 (1): 79-86
11. Ilievska Ksenija, Branko Atanasov, Toni Dovenski, Ozren Smolac, Boris Stojanov, Plamen Trojachanec, Acute phase proteins – as indicators of claw diseases in dairy cattle, Mac Vet Rev 2019; 42 (1): 95-100
12. Dovenski Toni, Branko Atanasov, Vladimir Petkov, Lazo Pendovski, Marko Samardzija, Juraj Grizelj, Besir Jasari, Boris Stojanov, Diagnosis of the reproductive disorders in dairy cows by ultrasound, 24th Annual Counselling of DVM of Republic of Srpska, Proceedings, 189-190, Bijeljina 2019
13. Nikolovski Martin, Monika Dovenska, Ksenija Ilievska, Nikola Adamov, Branko Atanasov, Miroslav Radeski, Daniela Kirovski, Vladimir Petkov, Toni Dovenski, Homologous seminal plasma and glutathione promote pre-capacitation motility and structural stability of cryopreserved ram spermatozoa, Mac Vet Rev 2019; 42 (2): 169 - 179
14. Nikolovski M., Dovenska M; Petkov V., Popovska Percinic F., Dovenski T., Glutathione and seminal plasma supplemented prior cryopreservation increase viable ram spermatozoa population with nonhyperactivated motility, Reproduction in Domestic Animals Vol. 54 • Supplement 3 • September 2019, 76-77
15. Atanasov B., Adamov ., Josevski I., Dimovski A., Dimovski D., Mitrevski A., Davkov F., Trbogazov S., Dovenski T., Injecting the cows with prostaglandin (PGF2α) on day 8 instead on day 7 in an Ovsynch protocol did not increase the luteolysis rate–preliminary study, Reproduction in Domestic Animals Vol. 54 • Supplement 3 • September 2019, 148.
16. Dovenski Toni, Grizelj Juraj, Ilievska Ksenija, Atanasov Branko, Vince Silvijo, Nikolovski Martin, Dovenska Monika, Janevski Aleksandar, Nektarios D. Giadinis Mastitis in small ruminants, etiology, prevalence and management, X Scientific symposium „reproduction of domestic animals and mammary gland diseases, Proceedings, 143-152; Divcibare 2019
17. Stojanov Boris, Branko Atanasov, Juraj Grizelj, Silvio Vince, Martin Nikolovski, Miroslav Kjosevski, Toni Dovenski, Nikola Adamov, Ksenija Ilievska, Marko Samardzija; Induction and formation of accessory corpus luteum after artificial insemination (AI) might increase pregnancy rate per ai in heat stressed dairy cows, Mac Vet Rev 2020; 43(1):37-43
18. Adamov Nikola, Branko Atanasov, Ksenija Ilievska, Martin Nikolovski, Monika Dovenska, Vladimir Petkov, Toni Dovenski, Allele and genotype frequencies of the kappa-casein (CSN3) locus in Macedonian Holstein-Friesian cattle, Mac Vet Rev 2020; 43(1):45-54
19. Ciani Elena, Salvatore Mastrangelo, Anne Da Silva, Fabio Marroni, Maja Ferenčaković, Paolo Ajmone-Marsan, Hayley Baird, Mario Barbato, Licia Colli, Chiara Delvento, Toni Dovenski, Gregor Gorjanc, Stephen J. G. Hall, Anila Hoda, Meng-Hua Li, Božidarka Marković, John McEwan, Mohammad H. Moradi, Otsanda Ruiz-Larrañaga, Dragana Ružič-Muslić, Dragica Šalamon, Mojca Simčič, Ondrej Stepanek, Econogene Consortium, Sheephapmap Consortium, Ino Curik, Vlatka

- Cubic-Curik and Johannes A. Lenstra, On the origin of European sheep as revealed by the diversity of the Balkan breeds and by optimizing population-genetic analysis tools, *Genet Sel Evol* (2020) 52:25
20. Atanasov Branko, Adamov Nikola, Celeska Irena, Ilievska Ksenija, Angjelovski Branko, Trbogazov Zvonko, Davkov Filip, Dovenski Toni, Opsomer Geert, Stevenson Jeffrey, Modification of the standard 7-day OVSYNCH protocol to increase the luteolytic and synchronization risks in dairy cows, *Mac Vet Rev* 2020; 43 (2): 161-167
 21. Atanasov B, Dovenski T, Celeska I, Stevenson JS. Luteolysis, progesterone, and pregnancy per insemination after modifying the standard 7-day Ovsynch program in Holstein-Friesian and Holstein cows. *J Dairy Sci.* 2021 Jun;104(6):7272-7282. doi: 10.3168/jds.2020-19922. Epub 2021 Mar 25. PMID: 33773782.
 22. Vladimir Dzabirski, Koco Porchu, Gjoko Bunevski, Dragoslav Kocevski, Vlado Vukovic, Hrisula Kiprijanovska, Aleksandar Uzunov, Vladimir Petkov, Toni Dovenski, Plamen Trojancanec, Livestock biodiversity protection in the Republic of North Macedonia, Proceedings: Protection of agrobiodiversity and preservation of autochthonous domestic animal breeds, 21-36, Dimitrovgrad, 25–27. jun 2021
 23. Dovenski Toni, Martin Nikolovski, Branko Atanasov, Florina Popovska Perčinić, Monika Dovenska, Nikola Adamov, Ljupčo Mickov, Petkov Vladimir; Ram sperm quality and fertility in intensive breeding systems, XII Scientific symposium „reproduction of domestic animals and mammary gland diseases, Proceedings, 67-81, Divcibare 2021
 24. Atanasov Branko, Adamov Nikola, Celeska Irena, Ilievska Ksenija, Mickov Ljupcho, Dovenski Toni, Comparison of two ovulation synchronization protocols to evaluate luteolysis, progesterone concentration and fertility rate in dairy cows XII Scientific symposium „reproduction of domestic animals and mammary gland diseases, Proceedings, 91-99; Divcibare 2021
 25. Nikolovski M.; Bozhinovski D.; Mickov L.; Dovenska M.; Adamov N.; Atanasov B.; Petkov V.; Dovenski T., Post-thaw extending of ram spermatozoa with soybean-lecithin extender triggers higher viability and non-progressive motility *Reproduction in Domestic Animals*, Volume 57 · Supplement 1 · January 2022 · p. 113
 26. Dovenski T., Atanasov B.; Stojanov B.; Grizelj J.; Mickov Lj.; Nikolovski M.; Esmerov I. Samardzija M., Treatment with exogenous progesterone (P4) during the Ovsynch protocol increases the luteal regression in heat-stressed dairy cows, *Reproduction in Domestic Animals*, Vol. 57, Supplement 4, p. 75-76; September 2022
 27. Dovenska M.; Mickov L.; Nikolovski M.; Atanasov B.; Petkov V.; Pendovski L.; Dovenski T.; Popovska-Perčinić F., Assessment of Brilliant Cresyl Blue (BCB) staining as a quality indicator for developmental ability of porcine oocytes, *Reproduction in Domestic Animals*, Vol. 57, Supplement 4, p. 95-96; September 2022;
 28. Dovenski Toni, Nikolovski Martin, Atanasov Branko, Popovska Perčinić Florina, Petkov Vladimir, Dovenska Monika, Mickov Ljupčo, Kočoski Ljupce, Vince Silvijo, Juraj Grizelj, Recent advances in sheep and goat reproduction, 13. Scientific symposium „Reproduction of domestic animals“ p. 117-128, Divcibare 2022
 29. Dovenski Toni, Trojancanec Plamen, Atanasov Branko, Nikolovski Martin, Petkov Vladimir, Popovska-Percinic Florina, Dovenska Monika, Grizelj Juraj, Vince Silvijo, Novelities in ovine assisted reproductive technologies – a review, *Mac Vet Rev* 2022, 45 (2) 109-125
 30. Dovenski Toni, Petkov Vladimir, Trojancanec Plamen, Nikolovski Martin, Atanasov Branko, Popovska Perčinić Florina, Dovenska Monika, Dimitrievski Zoran, Dzabirski Vladimir. (2023) Our experiences in the ex-situ conservation process of indigenous breeds of domestic animals using assisted reproduction technologies (ART), Proceedings, 4. Symposium Protection of agrobiodiversity and preservation of autochthonous breeds of domestic animals, Dimitrovgrad, Serbia, 85-97
 31. Atanasov Branko, Murdjeva Emilija, Nikolovski Martin, Mickov Ljupco, Ilievska Ksenija, Esmerov Igor, Dovenski Toni, Implementation of the short synch protocol to increase the conception rate in small-scale cow dairy farms, 14. Scientific symposium „Reproduction of domestic animals“ p.53-69, Divcibare 2023
 32. Nikolovski M.; Dovenska M.; Bozhinovski D.; Jovanov S.; Atanasov B.; Petkov V.; Dovenski T., Separate and combined supplementation of tris and seminal plasma during equilibration of ram ejaculates yields different sperm viability and motility patterns, *Reproduction in Domestic Animals* Volume 58, Issue S2, Special Issue:1st European Symposium on Animal Reproduction, 21st – 23rd September 2023, Nantes, France, p.250
 33. M. Dovenska; M. Nikolovski; B. Atanasov; V. Petkov; T. Dovenski; F. Popovska-Perčinić, Ex-situ conservation of caprine embryos from indigenous Balkan goat breed, *Reproduction in Domestic Animals* Volume 58, Issue S2, Special Issue:1st European Symposium on Animal Reproduction, 21st – 23rd September 2023, Nantes, France, p.260
 34. Dovenska Monika, Atanasov Branko, Benc Michal, Nikolovski Martin, Pendovski Lazo, Laurincik Jozef, Dovenski Toni, Adamov Nikola, Popovska-Percinic Florina. Brilliant cresyl blue staining enhances the morphological quality evaluation of porcine oocytes-a preliminary study, *Macedonian Veterinary Review*, vol.46, no.2, 2023, pp.137-145