



# Dr. Aleksandar Milovanović

Date of Birth: 14<sup>th</sup> June 1974  
Married

Languages: English, Italian, Russian

## Introduction

Scientific field: biotechnical sciences; Veterinary Medicine; animal (re)production, general farm management in ruminants: cows, sheep, goats.

professional specialization, in the field of Animal Reproduction, at the Department of Obstetrics, Sterility, and Artificial Insemination.

co-author of two patents, three technical solutions, and one manual. I actively publish the obtained results at foreign and domestic conferences and domestic and foreign scientific and professional journals. As part of my work engagement, I participated in training in the USA, France, Japan and Australia.

## Education

**Graduated (University of Belgrade Faculty of Veterinary Medicine) in 1999**, with an average grade of 9.06.

**Master's Degree (University of Belgrade Faculty of Veterinary Medicine) 2005**

"Determination of antibodies against sperm antigens in the blood serum and cervical mucus of heifers and cows by the method of indirect immunofluorescence"

**PHD (University of Belgrade Faculty of Veterinary Medicine) 2014**

"Investigation of the influence of the functional activity of neutrophils and progesterone profile on the development of disorders in the reproduction of cows"

**Professional specialization, in the field of Animal Reproduction (University of Belgrade Faculty of Veterinary Medicine)**

**2017**

Acquired the title of Specialist in the field of Animal Reproduction



Republic of Serbia,  
town of Novi Sad



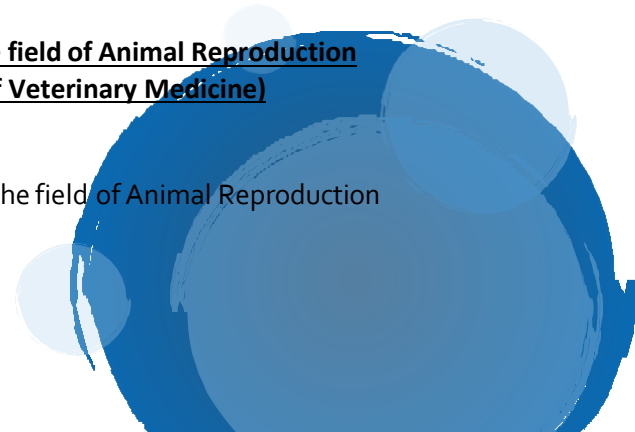
+38163236260



[acanivns@gmail.com](mailto:acanivns@gmail.com)  
[office@ramge.rs](mailto:office@ramge.rs)

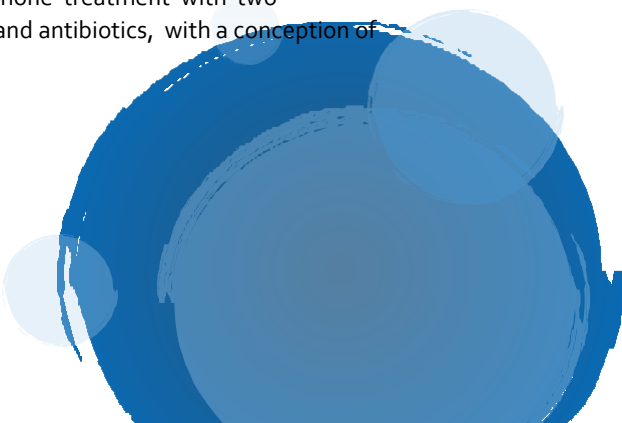


[www.ramgen.rs](http://www.ramgen.rs)






## BIBLIOGRAPHY

- As an author or co-author, I have published a total of 159 bibliographic items. The subject of many years of research is focused on semen quality control by classical and modern laboratory methods, field and laboratory control of reproduction of female animals (cytological, bacteriological, and hormonal tests, control of specific and nonspecific immunity in reproduction), and introduction of computerized health monitoring and analysis system and reproduction as the basis of modern management of dairy cows.
  - Introduced a test to determine the concentration of progesterone by the indirect EIA method from whole milk on dairy farms. The test was created in cooperation with associates from Japan and most of the components are now produced in our country. I also made efforts to introduce and activate the first software program for keeping records of production, health, and reproductive characteristics of cows, created in cooperation with the American company Profit Source (Dairy Quest), to monitor and improve business on 15 dairy farms, with the possibility of online data exchange between farms and the database at the Institute, which provides insight into the current state of each head whose milk sample was submitted for analysis.
  - Participated in the development of a digital colposcope for determining the optimal moment of insemination of cows, and I supplemented it with specific catheters for taking uterine exfoliates, which are protected by a patent. The specific design of the catheter and the method of sampling (biopsy and exfoliation, at the same time as the insemination procedure) facilitate the diagnosis of clinical and subclinical endometritis of cows. The catheter also enables testing of new preparations and techniques for the treatment of subclinical endometritis, which he published in his papers and a specialist paper, in which he participates as a commentator.
  - Trained in ultrasound diagnostics of pregnancy and disorders of the reproductive tract of cows, goats and sheep. I described the frequency of hydro/pyometra on a sample of 3,355 ultrasonographically examined goats, as well as the success of therapy after double hormone treatment with two prostaglandin injections and antibiotics, with a conception of 64% (16/25)
- 

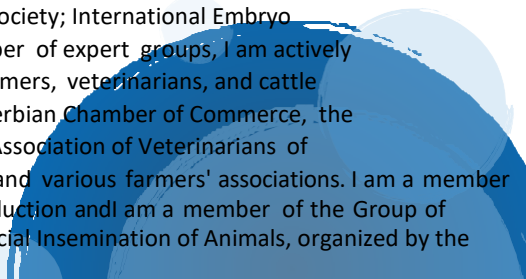


## BIBLIOGRAPHY II

- Procurement of the first flow cytometer in veterinary practice in R. In Serbia and its establishment in the analysis of semen, I introduced a test to determine the respiratory burst and phagocytic ability of neutrophilic granulocytes from the blood and the uterus as an indicator of the general resistance of the organism. As a result of the work, a new type of therapy for subclinical endometritis in cows with a combination of autologous plasma and glycogen oysters was developed, as well as the use of alternative, non-antibiotic therapies for endometritis in cows. "NovaVive." Other preparations used in the works are chlorhexidine, EDTA-Tris, A rmenicum (cooperation with the National Research Center of Armenia) as well as various essential oils.
  - Highlight the results of research with *Mycobacter phlei* which proved to be a reliable component in a statistically highly significant increase in the number of piglets in the litter in sows (770 farrowing under control), conception, as well as an increase in body weight of piglets at birth.
  - Participate in activities related to the production and control of semen of domestic centers (bull, boar, buck, rams) as well as control of imported semen in external trade, through cooperation with centers for the production and distribution of semen. From that opus, several works have emerged that speak in favor of the influence of semen quality, sperm count, the share of pathological forms on reproductive parameters and conception.
  - Engaged in a large project of repopulation of the Caucasian region with intensive producing breeds (from Europe, America, and Africa) through laparoscopic insemination, embryo transfers, and total farm management to ensure work of a slaughter-house for 1,5 million heads/year of prime meat quality („Damate" company). Also, I am periodically engaged in management on one of the largest sheep farm systems ("Miratorg" with 30.000 mothers, projected to 100.000) as a consultant.
- 




## BIBLIOGRAPHY III

- published works, I used many years of experience in semen quality control of domestic animals with standard tests (cyto-morphological examination) and modern methods (CASA-computer analysis of semen) and flow cytometry (chromosome damage test, membrane and acrosome damage, mitochondrial polarization). Tests supplemented by bacteriological control testify to a systematic approach in the analysis of male infertility problems and technological errors in boars, ie in bulls, and the possibility of solving the problem with appropriate therapy and technology change.
  - In the field of fertility control of small ruminants, I emphasize papers on various hormonal protocols in fertility control in sheep and goats, the importance of management at all points of the production cycle to achieve profitable and self-sustainable production, as well as the importance of health care. I was the first to introduce laparoscopic insemination and embryo transfer in sheep in R. Serbia, semen collection by electro ejaculator in small ruminants and diagnosis of phytoestrogens by uterotrophic assay in juvenile rats in plant feed.
  - over 20 years of experience in reproduction control and sterility control on farms of cows, pigs, goats and sheep, the introduction of new technologies in laboratory and field conditions, education of veterinarians through the Veterinary Chamber of Serbia, scientific gatherings in the country, as well as in the education of farmers. TV reports. Also, I participated in columns of educational, popular or technical character in editions (Dnevnik's Agricultural Calendar, magazine Dobro jutro, Ovčar, etc.). As a lecturer, I participated in the world, scientific and technical gatherings as a lecturer by invitation (organized by "Magapor", Zaragoza, Spain; "Genox" Buenos Aries, Argentina; Yamaguchi-Japan Faculty; Dairy Expo, Cheng Du, China).
  - underwent intensive training in the reproduction of small ruminants in Australia (production and freezing of semen and embryos and embryo transfer in sheep) for 10 days. I run my own sheep breeding center (RAMGEN [www.ramgen.rs](http://www.ramgen.rs)) with 6 breeds and with up to 6000 inseminations per year; 300 per day).
  - a representative of R. Serbia in the European Society for Domestic Animal Reproduction (ESDAR) and the national coordinator for IETS (International Embryo Technology Society; International Embryo Technology Association). As a member of expert groups, I am actively participating in the education of farmers, veterinarians, and cattle breeders in cooperation with the Serbian Chamber of Commerce, the Serbian Veterinary Chamber, the Association of Veterinarians of Great Practice of Serbia (UVVPS), and various farmers' associations. I am a member of the Group of Centers for Reproduction and I am a member of the Group of Centers for Reproduction and Artificial Insemination of Animals, organized by the Serbian Chamber of Commerce.
- 



## BIBLIOGRAPHY IV

- Intensively on the production of bio stimulators in the organic production of fruits, vegetables and animal feed without the need to use chemical agents. Our product is in the final stage of registration. It is possible to enhance herb yield in both organic and conventional agriculture production. In conventional production, our product helps the faster revival of herbs following herbicide treatment and reduces the number of inorganic fertilizers needed. In organic agriculture, a complete production can be based solely on this product (the "ECO-LAME") with the same or even significantly higher yield in comparison to conventional treatments. In this way, the lower yields, as a major disadvantage of organic production are not a problem anymore.
  - run our family farm of 200 Ile de France sheep under intensive production. Best goat, sheep, and cow farms in R. of Serbia work with our team. In Romanov sheep probably we have the best meat production in the World. Several You-tube films can be used as a reference made with our farmers.
- 

## ACTIVITIES RELATED TO THE SHEEP FARM

### FULL REPRODUCTIVE MANAGEMENT (20 years of experience)

The first niche of my profession is reproduction. I am providing consultation, management, and operational work in the field of ruminant reproduction (cows, goats, sheep) from small flocks (like a 200-sheep farm) to large farms (up to 30.000 mothers), from regular to high-intensity levels of production. Some references are below:

- 200, 500 to 1000 sheep mother (as Romanov breed, declared as the most productive sheep, where one sheep gives 4-6 lambs per year and up to 6 per one lambing (on average 3,6 lambs)  
<https://www.youtube.com/watch?v=oUDxVQy7gk4>, <https://www.youtube.com/watch?v=VyABc6KyUZ8>,
- 2.000 mothers Ile de France farm (<https://www.youtube.com/watch?v=o-2QHanj10>)
- up to 30.000 like Miratorg (<https://miratorg.ru/en/press/news/miratorg-launches-russia-first-industrial-sheep-breeding-farm-/>) and Damate company (Russia) (<https://youtu.be/OB4HD2dpAbk>) (Dorper and Merinos farm) for 2 and 3 years each:

Main reproductive activities:

- male breeding scoring control from basic (on field, just with microscope, by electroejaculation) to scientific (sophisticated-laboratory control, with flow-cytometry, CASA-computer analyses, cyto-morphology scoring, bacterial load and antibiotic sensitivity, with treatment experience for fertility recovery);
- female reproduction control by early ultrasound scanning (up to several hundred scans per day);
- Improvement of female fertility (number of offspring; hormonal and non-hormonal approach);-
- pre-lambing, lambing, and post-lambing management for intensive farm production;
- Ram breeding center establishment according to EU proposition and adapted to the quantity of needed semen production - genetic demands (from construction, equipping, semen production technique, freezing, and semen storage).
- Experience in laparoscopic and cervical insemination (up to 300 or 1000 inseminations per day, respectively).
- In vivo embryo production in sheep (for in vitro, we need a small investment to finish equipping and to start).
- We own our breeding center ([www.ramgen.rs](http://www.ramgen.rs)) with work in the following breeds: Ile de France, Merinoland, Charrolaise, Texel (Dutch and British strain), British Milk Sheep, Romanov, Dorper, Suffolk, Lacaune meat type, Assafe, Racka, and other breeds... Our breeding center could serve as a connection for the export of semen and embryos from European breeds for trials, such as crossing. Rams have genes for fertility and meat traits in IDF and Lacaune breeds.
- We have experience in semen sexing technique after a cooperation with a producer of a recent patent that can be used with no special additional equipment.

Currently, we work in the most productive breed of improved Romanov sheep (rams over 110 kg, females over 80 kg) - the target is production of at least 5 lambs and 200 kg of lamb meat per year (45kg a final body weight at 6 months). This concept could be of interest in KSA to some extent if a good climate is provided.

### GENERAL FARM MANAGEMENT

I support the maximum adoption of modern technologies/equipment for accuracy and consistency in work.

I am fond of "computerized system" that is used properly and intensively on all levels. I am involved in the adjustment of one of the most used dairy programs ("Dairy Quest from Wisconsin, USA) that is also adapted for sheep/goats, for 15 years already - perfect for total management. In Serbia was used on 15 dairy farms;

- Managing protocols for all activities that are controlled and governed by computers;
- Importance of automation of processes whenever is possible (like RFID readers on boxes/drinkers for animal location, sorting gates governed by specific needs, dozers for automatic application of medicine/vitamins/enzymes/probiotics, automatic scales for body weight gain, autonomous machines for cleaning of feeding alley and pushing/controlling of food distribution, resuscitating boxes, efficient automatic manure removal machines, etc.). All this could be considered at the interview, and partly could be produced here.

Our company specially designed our lamb milk feeders with several attachments to favor early growth of surplus lambs from prolific breeds for intensive farming (like Ile de France with Booroola genes for fertility, meat Lacaune, British milk sheep, East Frisian, Romanov – breeds that often lamb more than 2 lambs – up to 6). It is a fully automatic intelligent machine for the preparation and feeding of milk or milk replacer. It is designed to give maximum effect in weight gain. It possesses the automatic washing and disinfection of the entire system, ready to

work in all climatic conditions, thanks to the milk recirculation system. Automatic notification of the disappearance of water, milk powder, chemical detergent, and disinfectant gives great comfort. It is the machine with the lowest maintenance requirements, 15 minutes per week.

**ADDITIONAL OPTIONS:** installation of electronic lamb identification and milk flow readings (control of daily milk consumption per lamb, with electronic notification daily) as well as a milk medicine dispenser (adding drugs/probiotics using a dispenser), both at the individual and group level, with software monitoring (report on the phone). There is also the option of daily body gain and installing an anti-freeze system for frigid regions and with water filtration, where the water is loaded with limescale or other minerals (e.g., iron, sulfur).

### FEEDING MANAGEMENT

I do have basic knowledge on ration formulation and needs for different sheep categories, but mostly I was using the help of my colleagues' specialists because new additives are often appearing on the market. However, I am versed with the main health disorders, body condition scoring, control of the reasons for production failure through metabolic values from the blood and liver (biochemical-metabolic profile, blood parameters, detection of the level of microelements (analyses from mass atomic spectrophotometry). The aim is to detect limiting growth factors. We also analyzed the rumen content for the presence and activity of protozoa and their glycogen content.

### HEALTH MANAGEMENT

Versed in technology pathologies, farm organization, regular veterinarian actions (like lambing, surgery), newborn to adult animal diseases...

Basic on-farm parasite control (coccidiosis, round and tapeworms).

Prevention: We developed several vaccines in Serbia according to the field isolates from our sheep farms, completely closing or controlling diseases that we faced as detrimental (like Pasteurellosis, Clostridiosis, Contagious Ecthyma, Listeriosis, Respiratory syncytial virus, Parainfluenza type 3 (PI3), Tetanus, footrot, etc). Production of the strains directly isolated on a farm level and used on the same farms proved to be the best model for disease prevention/control, up to disease eradication. This could be a model of cooperation as well.



Contact, mob.: + 381-63-236-260;

e-mail: [acnivns@gmail.com](mailto:acnivns@gmail.com)

Milana Savića 53/7

Novi Sad, 21000

R. of Serbia

A list of all references (published papers) could be sent on request.

### Papers published in scientific journals of international importance (M20):

1. Stojanović J., Stojanović M., Milovanović A.: **Influence of detergent and some components of detergent on bioproduction of organic acids and enzymatic activity of fungi** = Uticaj deterdženta i nekih komponenti deterdženta na reprodukciju organskih kiselina i enzimsku aktivnost gljiva. Acta Veterinaria, ISSN 0567-8315, 51, 2/3, str.171-175, 2001 (eng), M23 3,0
2. Lazarević M., Milanović S., Kirovski D., Milovanović A.: **Antisperm antibodies of the Ig A class in the cervical mucus and sera of artificially inseminated cows** = Ig A antitela protiv spermatozoida u cervikalnoj sluzi i serumu krava koje se veštački osemenjavaju. Acta Veterinaria, ISSN 0567-8315, 53, 5-6, str.311-319, 2003 (eng), M23 3,0
3. Lazarević M., Milovanović A., Milanović S., Kirovski D., Ilić V.: **Cutaneous basophil hypersensitivity reaction to phytohemagglutinin in repeat breeder cows** = Test kožne preosetljivosti na fitohemagglutinin (PHA) kod krava koje povadaju. Acta Veterinaria, ISSN 0567-8315, 54, 5-6, str.337-346, 2004 (eng), M23 3,0
4. Milovanović A., Lazarević M., Milanović S., Kirovski D., Jovičin M.: **Open days period and antispermatozoal antibodies in artificially inseminated cows** = Servis period i antitela protiv spermatozoida kod veštački osemenjavanih krava. Acta Veterinaria, ISSN 0567-8315, 55, 5-6, str.183-191, 2005 (eng), M23 3,0
5. Lazarević M., Milovanović A., Barna T., Miljaš N., Milanov D.: **Endometritis therapy in sows by intra uterine instillation of yeast cell wall solution**. Acta Veterinaria, ISSN 0567-8315 Str. 627-639, 2012 (eng), M23 3,0
6. Milovanović A., Barna T., Maksimović N., Vasiljević T., Milanov D., Bošković N.: **Import of boars - semen quality control and possibility of complaints**. Biotechnology in animal husbandry, ISSN 1450-9156, str. 759-769, 2012 (eng), M24 3,0
7. Sekulić S., Božić A., Zarkov (Jovanović) M., Keković G., Podrogac J., Novakov Mikić A., Martac L., Barna T., Milovanović A., Pušić I., Stojanović D., Pepelčević N.: **Changes in the Anterior Presentation in Sheep Fetuses Due to Their Ventro-Sacral Position in the Second Half of Gestation**. Philippine Journal of Veterinary Medicine, ISSN 0031-7705, pp. 51-56, 2012 (eng) M23 3,0

### Proceedings of International Scientific Conferences (M30):

9. Jovičin M., Milovanović A., Petrujkić T., Lazarević M.: Praćenje zdravstvenih, proizvodnih i reproduktivnih parametara softverskim programima kao osnova savremenog menadžmenta sa akcentom na reprodukciju = **Followup of health, productive and reproductive data by software as a base for modern management of reproduction in cattle breeding**. Zbornik radova, 6. Savetovanja iz kliničke patologije i terapije životinja, Budva, 14 -18 jun 2004. godine, urednik Miodrag I. Lazarević, Beograd, Fakultet veterinarske medicine, 2004, Str.211-219 (srp), M33 1,0
10. Jovičin M., Šamanc H., Lazić S., Milovanović A., Petrović T., Dimitrijević V.: Ispitivanje uticaja dvokratnog vakcinisanja latentno inficiranih krava protiv virusa IBR/IPV na steonost i nivo specifičnih antitela protiv ovog virus = **Investigating the influence of two vaccinations of latentla infected cows against IBR/IPV virus on pregnanci and level of specific antibodies against this virus**. Zbornik kratkih sadržaja, Međunarodni simpozijum o infekciji goveda izazvanoj herpesvirusom tip 1 (IBR/IPV), Novi Sad, 24-26 maj 2004, urednik Sava Lazić, Novi Sad, Naučni institut za veterinarstvo 'Novi Sad', 2004, str.65-66, ISBN 82-82301-52-0 (srp), M34 0,5
11. Vidić B., Ašanin R., Milovanović A., Matović K.: **Investigation of sensitivity and specificity of some serological methods in brucellosis diagnostics. Brucellosis in animals and man**, International research conference on brucellosis in small ruminants, Skopje 28<sup>th</sup>-30<sup>th</sup> November 2005, editor Jovan

Bosnakovski, Skopje, Faculty of veterinary medicine, 2005, str. 39, ISBN 9989-774-10-2 (eng), M34 0,5

12. Petrović T., Lazić S., Bugarski D., Milovanović A., Šamanc H.: Patogeneza, patologija i klinička slika BVDV infekcije = **Pathogenesis, pathology and clinical picture of BVDV infection**. Poremećaji zdravlja krava u puerperijumu i zdravstveni status teladi, 5. simpozijum Ishrana, reprodukcija i zaštita zdravlja goveda, Banja Kanjiža, 4.-7. jul 2007. godine, urednik Horea Šamanc, Beograd, Veterinarska komora Srbije, 2007, str. 245-260, ISBN 86-82301-66-0 (srp), M31 1,0
13. Šamanc H., Vujanac I., Dimitrijević B., Kirovski D., Pudlo P., Milovanović A., Jovičin M., Džmura G.: Telesna kondicija krava holštajn rase u različitim fazama proizvodno-reproduktivnog ciklusa = **Body condition of holstein cows in various stages of production-reproduction cycle**. Poremećaji zdravlja krava u puerperijumu i zdravstveni status teladi, 5. simpozijum Ishrana, reprodukcija i zaštita zdravlja goveda, Banja Kanjiža, 4.-7. jul 2007. godine, urednik Horea Šamanc, Beograd, Veterinarska komora Srbije, 2007, str. 137-148, ISBN 86-82301-66-0 (srp), M33 1,0
14. Bugarski D., Kovačević M., Milovanović A.: Metabolički profil u dijagnostici zdravstvenog stanja zapata mlečnih goveda = **Metabolic profile in diagnosing health status of dairy cow herds**. Poremećaji zdravlja krava u puerperijumu i zdravstveni status teladi, 5. simpozijum Ishrana, reprodukcija i zaštita zdravlja goveda, Banja Kanjiža, 4.-7. jul 2007. godine, urednik Horea Šamanc, Beograd, Veterinarska komora Srbije, 2007, str.157-164, ISBN 86-82301-66-0 (srp), M33 1,0
15. Milovanović A., Lazarević M., Kirovski D., Jovičin M., Barna T.: Antispermalna antitela u cervikalnoj sluzi junica i krava i njihov uticaj na reproduktivne pokazatelje = **Antisperm antibodies in cervical mucosa of heifers and cows and their effect on reproductive parameters**. Poremećaji zdravlja krava u puerperijumu i zdravstveni status teladi, 5. simpozijum Ishrana, reprodukcija i zaštita zdravlja goveda, Banja Kanjiža, 4.-7. jul 2007. godine, urednik Horea Šamanc, Beograd, Veterinarska komora Srbije, 2007, str.189-195, ISBN 86-82301-66-0 (srp), M33 1,0
16. Jovičin M., Kovačević M., Milovanović A., Barna T., Košarčić S., Šamanc H.: Grafički prikaz rezultata metaboličkog profila u odnosu na reproduktivne pokazatelje muznih krava = **Graphical presentation of metabolic profile in relationship to reproductive parameters in dairy cows**. Poremećaji zdravlja krava u puerperijumu i zdravstveni status teladi, 5. simpozijum Ishrana, reprodukcija i zaštita zdravlja goveda, Banja Kanjiža, 4.-7. jul 2007. godine, urednik Horea Šamanc, Beograd, Veterinarska komora Srbije, 2007, str.201-211, ISBN 86-82301-66-0 (srp), M33 1,0
17. Kovačević M., Jovičin M., Vujanac I., Milovanović A., Barna T., Košarčić S.: **Influence of Energy Plus on Productive Performances of Dairy Cows**. Abstract, The Second Joint PSU-UNS International Conference on BioScience: Food, Agriculture and the Rnvironment, June 22-24, 2008, Novi Sad, Serbia, Novi Sad, Naučni institut za ratarstvo i povrtarstvo, 2008, Str.38 (eng), M34 0,5
18. Bugarski D., Milovanović A., Pušić I., Milanov D., Grgić Ž.: **Health Condition and Pathology of Sheep in the Autonomous Province of Vojvodina**. Abstract, The Second Joint PSU-UNS International Conference on BioScience: Food, Agriculture and the Rnvironment, June 22-24, 2008, Novi Sad, Serbia, Novi Sad, Naučni institut za ratarstvo i povrtarstvo, 2008, Str.40 (eng), M34 0,5
19. Jovičin M., Milovanović A., Žikić D., Kovačević M., Košarčić S., Dražić M., Barna T.: **Evaluation of rumen Protozoal Ecosystem stability Determined by Lugol's Iodine Index of Chromaticity in Dairy Cows**. 6th International Symposium on Biocides in Public Health and Environment, October 06-07.2009, Belgrade, editor Veselin B. Radonjić, Proceedings, Str. 209-211, Beograd, Institute for Disinfection and Vector Control, 2009 (eng), M33 1,0
20. Milovanović A., Barna T., Jovičin M., Lazarević M., Nakao T.: **Influence of beta-carotene and human chorionic gonadotropin on milk progesterone level and pregnancy rate in Holstein cows**. 14th Annual Conference of the European Society for Domestic Animal Reproduction and 22th Annual meeting of EU-AI-Vets 15-18 September 2010, Eger, Hungary, Abstracts, Str. 99, Eger, ESDAR, 2010 (eng), M34 0,5
21. Milovanović A., Barna T., Jovičin M., Petrujković T., Lazarević M.: **Development and use of ELISA kit for the determination of progesterone from non-skimmed milk in dairy cows**. Simpozijum Stočarstvo, veterinarska medicina i ekonomika u ruralnom razvoju i proizvodnji zdravstveno bezbedne hrane sa međunarodnim učešćem, Divčibare, 20-27 jun, 2010, urednik Blagoje Stančić, Zbornik kratkih sadržaja, Str. 101, Novi Sad, Poljoprivredni fakultet, 2010 (srp), M34 0,5

22. Milovanović A., Jovičin M., Barna T.: **Monitoring of reproductive parameters by software programs as the basis of modern management of reproduction on dairy cow farms.** Simpozijum Stočarstvo, veterinarska medicina i ekonomika u ruralnom razvoju i proizvodnji zdravstveno bezbedne hrane sa međunarodnim učesćem, Divčibare, 20-27 jun, 2010, urednik Blagoje Stančić, Zbornik kratkih sadržaja, Str. 102, Novi Sad, Poljoprivredni fakultet, 2010 (srp), M34 0,5
23. Bugarski D., Savić S., Grgić Ž., Vidić B., Milovanović A., Barna T.: **Seroepidemiological Examination of Contagious Diseases in Breeding Rams - Preliminary Examinations.** 19th International Congress of Mediterranean Federation of Health and Production of Ruminants, May 25-28, 2011, Belgrade, Chief Editors Biljana Radojičić, Stanko Boboš, Congress Proceedings, str. 107-110, 2011 (eng), M33 1,0
24. Milovanović A., Barna T., Bugarski D., Savić S., Grgić Ž., Stojanov I., Novaković Z.: **Results of Ram Fertility Control in Northern Serbia.** 19th International Congress of Mediterranean Federation of Health and Production of Ruminants, May 25-28, 2011, Belgrade, Chief Editors Biljana Radojičić, Stanko Boboš, Congress Proceedings, str. 433-441, 2011 (eng), M33 1,0
25. Milovanović A., Barna T.: **The modified thermoresistance test is not suitable for fertility prediction of frozen-thawed bull semen.** The 15th Annual Conference of the European Society for Domestic Animal Reproduction (ESDAR), Antalya, Turkey 15-17 September 2011, Guest Editor Detlef Rath, Reproduction in Domestic Animals, Str. 130-130, Berlin, Wiley-Blackwell, 2011 (eng), M34 0,5
26. Bugarski D., Milanov D., Milovanović A.: **Control of small ruminant parasitoses in Serbia - from the practitioners point of view.** 3rd CAPARA WGs Workshop and MC Meeting, 10 to 12 November 2011, Limassol, Cyprus, Abstract book, Str. 37, Limassol, COST, 2011 (eng), M34 0,5
27. Grgić Ž., Đuričić B., Vidić B., Savić S., Milovanović A.: **Experimental infection of rabbits with L. interrogans Serovar hardjo.** European meeting of leptospirosis Eurolept 2012, Dubrovnik, Croatia, 31 May - 2 June 2012, editors in chief Nanad Turk, Josipa Habuš, Abstracts, Str. 98-99, Zagreb, Faculty of Veterinary Medicine, 2012 (eng), M34 0,5
28. Milovanović A., Barna T., Vasiljević T., Milanov D., Uzelac Z., Lazarević M.: **Quality of boars semen and number of bacteria in ejaculates.** organizer Faculty of Agriculture, [editor in chief Slavča Hristov], Proceedings of the First International Symposium on Animal Science, November 8-10th 2012, Belgrade, Serbia, 1, Str. 71-79, Beograd, Faculty of Agriculture, 2012 (eng), M33 1,0
29. Maksimović N., Petrović M., Delić N., Milovanović A., Barna T., Caro-Petrović V., Ružić-Muslić D.: **Assisted reproductive technologies in sheep.** organizer Faculty of Agriculture, [editor in chief Slavča Hristov], Proceedings of the First International Symposium on Animal Science, November 8-10th 2012, Belgrade, Serbia, 2, Str. 827-837, Beograd, Faculty of Agriculture, 2012 (eng), M33 1,0

#### National monographs (M40):

30. Milovanović A., Jovičin M., Šamanc H.: **Assessment of the body condition of cows of the Holstein-Friesian breed.** Beograd, Veterinarska komora Srbije, 2005, M45 1,5
31. Jovičin M., Šamanc H., Milovanović A., Kovačević M.: **Određivanje telesne kondicije životinja = Body condition scoring of animals.** Etiopatogeneza i dijagnostika poremećaja metabolizma i reprodukcije goveda, urednik Horea Šamanc, Beograd, Veterinarska komora Srbije, 2005, str.217-231, ISBN 86-82301-58-x (srp), M45 1,5

#### Journals of national importance (M50):

1. Jovičin M., Adamović M., Bugarski D., Božović V., Milovanović A.: **Uticao rađanja mrtvorodne teladi na međutelidbeni period i proizvodnju mleka krava mlečnih rasa (Influence of still-born offspring on calving interval and milk production in dairy cows).** Zbornik naučnih radova, Agroekonomik 2000, XV Savetovanje agronoma, veterinara i tehnologa u Aranđelovcu, 2000, 6, 6, str.381-390 (srp), M51 2,0
2. Jovičin M., Suvajdžić L., Petrujkić T., Milanov D., Lazić S., Jakovljević G., Stojičević-Pantelić V., Velhner M., Milovanović A.: **Uzimanje, postupak i transport u laboratoriju brisa genitalne regije priplodnih životinja = Sampling and transportation of genital tract swabs of breeding animals.** Zbornik naučnih radova, Agroekonomik 2002, ISSN 0354-1320, 8, 1, str.299-305, 2002 (srp), M51 2,0

3. Jovičin M., Petrujkić T., Milovanović A., Dujaković M., Žikić D.: Analiza faktora koji utiču na tok estralnog ciklusa visokomlečnih krava = **Analysis of factors influencing estrus cycle in dairy cows**. Veterinarski glasnik, ISSN 0350-2457, 57, 3-4, str.209-223, 2003 (srp), M51 2,0
4. Jovičin M., Milovanović A., Beskorovajni R., Ušćebrka G., Žikić D., Vuković M., Nikolić R., Radivojević M.: Ispitivanje uticaja estrogene aktivnosti sena lucerke na proizvodne i reproduktivne pokazatelje muznih krava na farmama PKB korporacije = **Investigation of the alfalfa hay estrogenic influence on production and reproductive performance on dairy farms of PKB corporation**. Zbornik naučnih radova, Agroekonomik , ISSN 0354-1320, 10, 2, str.17-23, 2004 (srp), M51 2,0
5. Žikić D., Ušćebrka G., Jovičin M., Kanački Z., Dimitrijević V., Milovanović A.: **The effect of herbs extract with propolis and St.John's worth (Hypericum Perforatum L.) on morphological characteristics of cow's endometrium**. Veterinary medicine, ISSN 0321-0502, 84, str.15-18, 2004 (srp), M51 2,0
6. Savić-Jevđenić S., Vidić B., Grgić Ž., Milovanović A.: Brza dijagnostika dirofilarioze pasa u regionu Novog Sada = **Fast diagnostic method for canine dirofilariosis in region of Novi Sad**. Veterinarski glasnik, ISSN 0350-2457, 58, 5/6, str.693-698, 2004 (srp), M51 2,0
7. Jovičin M., Milovanović A., Masnikosa R., Dujaković M., Nikolić R., Vuković M.: Mogućnosti primene progesteronskog EIA testa u ranoj dijagnostici steonosti = **Possibilities in progesterone EIA test use in early pregnancy diagnostics in cows**. Zbornik naučnih radova, Agroekonomik , ISSN 0354-1320, 11, 3-4, str.25-34, 2005 (srp), M51 2,0
8. Jovičin M., Milovanović A.: **Control and improvement of fertility of rams and sheep**. Poljoprivrednikov poljoprivredni kalendar, nova znanja, dostignuća, iskustva, ISSN 1450-5436, str.387-391, 2004 (srp), M52 1,5
9. Lazarević M., Milovanović A., Jovičin M., Šabanović M., Suljkanović A.: **Cutaneous basophil hypersensitivity reaction to phytohemagglutinin in heifers and cows with different reproductive results**. Lucrari stiintifice Medicina veterinara, ISSN 1221-5295, 39, str.109-121, 2006 (eng), M51 2,0
10. Kovačević M., Košarčić S., Jovičin M., Vujanac I., Milovanović A., Bugarski D., Barna T.: Aktivnost alkoholdehidrogenaze u jetri krava muzara = **Alcohol hydrogenase activity in the liver of dairy cows**. Arhiv veterinarske medicine, ISSN 1820-9955, 1, 1, str.57-63, 2008 (srp), M53 1,0
11. Jovičin M., Milovanović A., Stančić B., Došen R., Barna T.: Uticaj aklimatizacije i životnog doba na kvalitet sperme uvoznih nerastova = **The influence of acclimatization and age of imported boars on the quality of their sperm**. Arhiv veterinarske medicine, ISSN 1820-9955, 1, 1, str.69-83, 2008 (srp), M53 1,0
12. Pavlović R., Jovičin M., Milovanović A., Lazić S., Barna T.: BHV-1 infekcije goveda u Vojvodini - očuvanje negativnih zapata i sprečavanje daljeg širenja ovih infekcija je obaveza i izazov za veterinarsku struku = **BHV-1 infection of cattle in vojvodina: it is obligation and challenge for the veterinarians to prevent negative influence and further spreading of new infections**. Veterinarski žurnal Republike Srpske, ISSN 1840-2887, Str.53-67, 2007 (srp), M51 2,0
13. Kovačević M., Košarčić S., Jovičin M., Vujanac I., Milovanović A., Bugarski D., Barna T.: **Alcohol dehydrogenase activity in the liver of dairy cows**. Arhiv veterinarske medicine, ISSN 1820-9955 str. 57-63, 2008 (srp), M53 1,0
14. Jovičin M., Milovanović A., Stančić B., Došen R., Barna T.: **The Effect of Acclimatization and Age on Sperm Quality of Imported Boars**. Arhiv veterinarske medicine, ISSN 1820-9955, 1,1, str. 69-83, 2008 (srp), M53 1,0
15. Milovanović A., Lazarević M., Kirovski D., Jovičin M., Barna T.: **Antibody titer against bull sperm antigen in the blood serum of cows and heifers with different numbers of insemination**. Arhiv veterinarske medicine, ISSN 1820-9955, 1, 2, str. 51-61, 2008 (srp), M53 1,0
16. Milovanović A., Jovičin M., Barna T., Golubović S., Resanović V., Rodić V., Kitanović S., Lazarević M.: **Application of enzyme immunoassay for determination of progesterone concentration in whole cow's milk**. Veterinarski glasnik, ISSN 0350-2457, str. 45-59, 2009 (srp), M52 1,5

17. Grgić Ž., Vidić B., Savić S., Milovanović A.: **Investigation of the presence of infection with *Brucella ovis* (Ovine epididymitis) in sheep.** Arhiv veterinarske medicine, ISSN 1820-9955, Str. 17-25, 2009 (srp), M53 1,0
18. Gvozdić D., Vuković D., Fratrić N., Stančić B., Božić A., Jovanović I., Milanović S., Barna T., Milovanović A.: **Milk progesterone profile in dairy cows after estrus synchronization using synthetic prostaglandin (Dinolytic).** Veterinarska stanica, str. 362-368, 2011 (eng), M53 1,0
19. Urošević M., Stojanović D., Milovanović A., Pušić I., Stojanac N.: **The use of cytological smears in the diagnosis of endometritis of mares.** Arhiv veterinarske medicine, ISSN 1820-9955 str. 39-48, 2011 (srp), M53 1,0
20. Gvozdić D., Barna T., Milovanović A., Stančić B., Božić A., Jovanović I., Milanović S., Vuković D., Šuluburić A.: **Human Chorionic Gonadotrophin (HCG) in the repeat-breeding dairy cows reproduction.** XIII Middle European Buiatrics Congress, Belgrade, Serbia, June 5-8, 2013, Congress Proceedings, Str. 192-202, Belgrade, Serbian Buiatrics Association, 2013 (eng), M33 1,0
21. Samardžija D., Barna T., Milovanović A., Gvozdić D.: **Monitoring the reproductive status of dairy cows on farms in R. of Serbia, using the software program and progesterone test.** XIII Middle European Buiatrics Congress, Belgrade, Serbia, June 5-8, 2013, Congress Proceedings, Str. 592-596, Belgrade, Serbian Buiatrics Association, 2013 (eng), M33 1,0
22. Milovanović A., Barna T., Jovičin M., Vasiljević T., Lazarević M.: **Model of cooperation between production centers and reproduction laboratories in the quality control of boar semen.** [urednik Dragan Rogožarski], Zbornik radova 11. Simpozijuma sa međunarodnim učešćem 'Zdravstvena zaštita, selekcija i reprodukcija svinja' (ishrana svinja kao osnova uspešne profilakse), Srebrno jezero, 31. maj - 02. juni 2013. godine, Str. 82-92, Požarevac, Veterinarski specijalistički institut, 2013 (srp), M63 0,5
23. Barna T., Milovanović A., Lazarević M., Gvozdić D.: **Possibilities of implementing progesterone EIA test in the control of reproduction in dairy cows.** Macedonian Veterinary Review, ISSN 1409-7621, Str. 63-71, 2013 (eng), M51 2,0
24. Milovanović A., Maksimović N., Barna T., Lazarević M., Delić N.: **Laparoscopic insemination of sheep in Republic of Serbia.** Biotechnology in animal husbandry, ISSN 1450-9156, str. 449-456, 2013 (eng), M51 2,0

#### **Proceedings of Conferences of National Importance (M60)**

57. Jovičin M., Milovanović A.: Standardizacija mikrometode za pregled semena bikova = **Micromethods standardization in quality tests for bulls semen.**Zbornik radova, Treće Savetovanja iz kliničke patologije i terapije životinja, Budva, 11 -15 jun 2001.godine, Beograd, Fakultet veterinarske medicine, 2001, Str.198-204 (srp), M61 1,5
58. Jovičin M., Petrujković T., Milovanović A., Žikić D.: Značaj kolposkopije u veštačkom osemenjavanju i dijagnostici poremećaja reprodukcije = **Importance of colposcopy in artificial insemination and diagnostic of reproductive disorders.**Zbornik radova, 4.Savetovanja iz kliničke patologije i terapije životinja, Budva, 10 -14 jun 2002.godine, Beograd, Fakultet veterinarske medicine, 2002, Str.42-51 (srp), M61 1,5
59. Jovičin M., Tešić M., Lalić M., Lazić S., Milovanović A., Dimitrijević V., Tajdić N.: Osnove pripreme programa za eradicaciju IBR/IPV na govedarskim farmama = **The basis configuration of IBR/IPV eradication programme on dairy farms.**Zbornik radova, 4.Savetovanja iz kliničke patologije i terapije životinja, Budva, 10 -14 jun 2002.godine, Beograd, Fakultet veterinarske medicine, 2002, Str.97-104 (srp), M61 1,5
60. Milovanović A., Jovičin M.: Tehnika ocenjivanja telesne kondicije mlečnih krava = **Body condition scoring technique of dairy cows.**Zbornik radova, 5.Savetovanja iz kliničke patologije i terapije životinja, Budva, 9 - 13 jun 2003.godine, urednik Miodrag I.Lazarević, Beograd, Fakultet veterinarske medicine, 2003, Str.349-350 (srp), M63 0,5

61. Jovičin M., Stančić B., Đisalov D., Milanov D., Milovanović A., Došen r.: Značaj bakteriološke i citološko-morfološke analize sperme uvoznih i domaćih nerastova (**Importance of bacteriological and cytology-morphological analyses of sperm from the boars in the country and imported**). Zbornik radova i kratkih sadržaja, 15.Savetovanje veterinarara Srbije, Zlatibor 09-13.09.2003, glavni urednik Vera Katić, Beograd, Srpsko veterinarsko društvo, 2003, Str.358 (srp), M64 0,2
62. Bugarski D., Šamanc H., Boboš S., Milovanović A., Pušić I.: Zdravstvena zaštita u uzgoju mlečnih goveda = **Health protection in breeding of dairy cows**.Zbornik kratkih sadržaja radova, 10.godišnje savetovanje veterinarara Republike Srpske, Teslić 2-5.juna 2004.godine, urednik Drago N.Nedić, Banja Luka, Ministarstvo poljoprivrede, šumarstva i vodoprivrede RS, 2004, Str.151, ISBN 99938-626-7-3 (srp), M64 0,2
63. Bugarski D., Šamanc H., Milovanović A., Boboš S., Kovačević M., Jovičin M.: Uticaj zamašćenja jetre na zdravstveno stanje i plodnost mlečnih goveda (**Influence of greasy liver on health status and breeding of dairy cattle**). Zbornik kratkih sadržaja, Simpozijum Veterinarstvo i stočarstvo u proizvodnji zdravstveno bezbedne hrane, Herceg Novi, 21-25.juni 2004, urednik Blagoje Stančić, Novi Sad, Poljoprivredni fakultet, 2004, Str.49 (srp), M64 0,2
64. Pušić I., Ratajac R., Milovanović A.: Usporedno ispitivanje efekta preparata sugonal® i folligon® u vanezonskom pripustu ovaca rase Virtemberg (**Comparative examining of effect of sugonal® and folligon® in out-of-season tugging of Virtemberg breed seeps**). Zbornik kratkih sadržaja, Simpozijum Veterinarstvo i stočarstvo u proizvodnji zdravstveno bezbedne hrane, Herceg Novi, 21-25.juni 2004, urednik Blagoje Stančić, Novi Sad, Poljoprivredni fakultet, 2004, Str.72 (srp), M64 0,2
65. Jovičin M., Lalić M., Pavlović R., Lazić S., Milovanović A., Bugarski D.: Veterinarsko-sanitarne mere u suzbijanju i iskorenjivanju IBR/IPV = **Veterinary and sanitary measures in control and eradication of IBR/IPV**.Zbornik referata i kratkih sadržaja Simpozijuma VII epizootiološki dani sa međunarodnim učešćem, Jagodina, 30.mart - 2.april 2005.godine, urednik Bosiljka Đuričić, str.149-150, 2005, ISBN 86-83115-03-8 (srp), M64 0,2
66. Kojić S., Popov R., Džonlaga S., Pajković D., Milovanović A.: **Occurrence of dirofilariasis in service dogs in the army of Serbia and Montenegro in the territory of Novi Sad and Sombor**. Zbornik kratkih sadržaja radova, 11.godišnje savetovanje veterinarara Republike Srpske, Teslić 1-4.. juna 2005.godine, urednik Ljubomir Kalaba, Banja Luka, Veterinarska komora Republike Srpske, 2005, Str.119, ISBN 99938-729-2-x (srp), M64 0,2
67. Milovanović A., Suljkanović A., Lazarevic M., Jovičin M., Šabanovic M.: Test kožne preosetljivosti na fitohemaglutinin kod krava različite starosti = **Cutaneous basophil hypersensitivity reaction to phytohemagglutinin in cows of different age**.Zbornik, VIII Savjetovanje iz kliničke patologije i terapije životinja sa međunarodnim učešćem, 26-30.06, Neum, [urednici Miodrag Lazarević ...et al.], Sarajevo, Veterinarski fakultet, 2006, br.24, ISBN 9958-599-20-1 (srp), M64 0,2
68. Jovičin M., Milovanović A., Barna T.: Video nadzor u sistemu otkrivanja estrusa krava i junica = **Closed circuit as an aid in heat detection of cows and heifers**.Zbornik radova i kratkih sadržaja, 18.Savetovanje veterinarara Srbije, Zlatibor 21-24.09.2006, glavni urednik Branka Vidić, Beograd, Srpsko veterinarsko društvo, 2006, Str.166-167, ISBN 86-83115-05-4 (srp), M64 0,2
69. Bugarski D., Milovanović A., Pušić I., Stojanović D.: Kritične tačke u uzgoju ovaca u Vojvodini - veterinarsko stanovište = **Critical points in sheep breeding in Vojvodina from veterinary standpoint**.Zbornik kratkih sadržaja, 12.godišnje savetovanje veterinarara Republike Srpske, Teslić 31.05-03.06.2006.godine, urednik Ljubomir Kalaba, Banja Luka, Veterinarska komora Republike Srpske, 2006, Str.80-81, ISBN 99938-729-3-8 (srp), M64 0,2
70. Savić-Jevđenić S., Milovanović A., Grgić Ž., Kojić S.: **The prevalence of dirofilariasis in the region of Novi Sad - six years after**.Zbornik kratkih sadržaja, VIII epizootiološki dani sa međunarodnim učešćem, Banja Vrdnik, 05 - 08.april 2006.godine, urednik Bosiljka Đuričić, str.60, 2006 (srp), M64 0,2
71. Petrović T., Lazić S., Lupulović D., Prodanov J., Bugarski D., Milovanović A.: Molekularna dijagnostika mikoplazmatskih infekcija = **Molecular diagnostics of mycoplasma infections**. Zbornik radova i kratkih sadržaja, IX epizootiološki dani sa međunarodnim učešćem, Požarevac 28-31.mart 2007.godine, urednik Bosiljka Đuričić, Beograd, SVD, Sekcija za zoonoze, 2007, str.9-11, ISBN 978-86-83115-07-5 (srp), M64 0,2

72. Bugarski D., Pušić I., Ialošević D., Grgić Ž., Milovanović A.: Hronična zapaljenja pluća ovaca virusne etiologije = **Chronic virus lung infection in sheep (maedi-visna nad pulmonary adenocarcinoma)**. Zbornik radova i kratkih sadržaja, 20. Savetovanje veterinarara Srbije, Zlatibor 24-27.09.2008. godine, sa međunarodnim učešćem, glavni i odgovorni urednik Bosiljka Đuričić, Beograd, Srpsko veterinarsko društvo, 2008, Str.269-281, ISBN 978-86-83115-10-5 (srp), M63 0,5
73. Jovičin M., Košarčić S., Milovanović A., Barna T.: Development of ELISA Kit for **Progesterone Determination in Whole Milk in Cows**. Treći naučno-stručni skup InterRegionalSCi 2008, april, Novi Sad, Izvodi rezultata istraživanja projekata po javnom pozivu za period 2007-2008, Str. 18, Novi Sad, Pokrajinski sekretarijat za nauku i tehnološki razvoj, 2008 (srp), M64 0,2
74. Urošević M., Lako B., Milovanović A., Milanov D., Stojanović D., Miličić Ž.: **Investigation of the Influence of Various Factors on Mare Reproduction Disorders in Vojvodina**. 2. hrvatski simpozij o lipicanskoj pasmini s međunarodnim sudjelovanjem, Đakovo, 13. prosinca 2008., Zbornik radova, str. 137-145, Zagreb, [s.n.], 2008 (eng), M63 0,5
75. Jovičin M., Milovanović A., Barna T., Petrović T., Milanov D., Jocić A., Prodanov J.: **Veterinary and livestock selection control of breeding boars for artificial insemination from reproduction centers and harmonization of clinical and laboratory practice with the countries of the European Union**. urednik Dragiša Trailović, Zbornik radova 7. Simpozijuma 'Zdravstvena zaštita, selekcija i reprodukcija svinja', Srebrno jezero, 21-23. maja 2009. godine, str. 85-91, Požarevac, Veterinarski specijalistički institut, 2009 (srp), M63 0,5
76. Milovanović A., Jovičin M., Barna T., Lazarević M., Petrujković T., Orlić D.: **Development and use of elisa putty for determining the concentration of progesterone from non-skimmed milk of dairy cows**. XI regionalno savetovanje iz kliničke patologije i terapije životinja, 19-21. jun, Subotica, urednik Miodrag Lazarević, Zbornik radova, Clinica Veterinaria, Str. 104-106, Beograd, Fakultet veterinarske medicine, 2009 (srp), M63 0,5
77. Milovanović A., Barna T.: **Analysis of sperm of a dog with a small number of offspring in a litter - a case report**. 21. Savetovanje veterinarara Srbije, Zlatibor 15-18. septembar 2010. godine, sa međunarodnim učešćem, Zbornik referata i kratkih sadržaja, Str. 361-362, Beograd, Srpsko veterinarsko društvo, 2010 (srp), M64 0,2
78. Milovanović A., Barna T., Milanov D., Gajić D.: **Reproductive results from a high-dairy cow farm controlled by progesterone test, early ultrasound examination of pregnancy and a software program for record keeping**. Naučni simpozijum Reprodukcijska domaćih životinja, Divčibare, 13-16. oktobar 2011, urednik Miodrag Lazarević, Zbornik predavanja, Str. 141-146, Beograd, Naučna KMD, 2011 (srp), M63 0,5
79. Lazarević M., Mijačević Z., Grizelj J., Kozračinski L., Dovenski T., Sekulovski P., Theodosiadou E., Rekkas C., Zdragas A., Samartzi F., Milovanović A.: **Sustainable production of traditional cheeses in the Balkans from the milk of indigenous sheep - SEE-ERA. A more than a project**. Naučni simpozijum Reprodukcijska domaćih životinja, Divčibare, 13-16. oktobar 2011, urednik Miodrag Lazarević, Zbornik predavanja, Str. 175-179, Beograd, Naučna KMD, 2011 (srp), M63 0,5
80. Milovanović A., Barna T., Lazarević M., Šaponjić B., Grgić Ž., Stojanov I.: **Health and reproductive indicators of the Sjenica sheep before the breeding season**. Naučni simpozijum Reprodukcijska domaćih životinja, Divčibare, 13-16. oktobar 2011, urednik Miodrag Lazarević, Zbornik predavanja, Str. 181-185, Beograd, Naučna KMD, 2011 (srp), M63 0,5
81. Milovanović A., Barna T., Milanov D.: **Boar semen quality control by computer analysis and flow cytometry**. Naučni simpozijum Reprodukcijska domaćih životinja, Divčibare, 13-16. oktobar 2011, urednik Miodrag Lazarević, Zbornik predavanja, Str. 191-199, Beograd, Naučna KMD, 2011 (srp), M63 0,5
82. Milovanović A., Barna T., Ristić S.: **Results of insemination of cows and heifers with semen with short survival time in hypoosmotic thermoresist assay**. 22. Savetovanje veterinarara Srbije, Zlatibor 14-17. septembar 2011. godine, sa međunarodnim učešćem, glavni i odgovorni urednik Bosiljka Đuričić, Zbornik referata i kratkih sadržaja, Str. 261-264, Beograd, Srpsko veterinarsko društvo, 2011 (srp), M64 0,2
83. Milovanović A., Barna T., Vasiljević T., Milanov D., Bošković N.: **Import of boars - semen control and the possibility of complaints**. [urednik Dragan Rogožarski], Zbornik radova 10. Simpozijuma 'Zdravstvena zaštita, selekcija i reprodukcija svinja' (načini rešavanja respiratornih problema tovljenika), Srebrno jezero,

31. maj - 02. juni 2012. godine, Str. 79-87, Požarevac, Veterinarski specijalistički institut, 2012 (srp), M63 0,5
84. Milanov D., Stojanović D., Barna T., Milovanović A.: **Isolation of Citrobacter freundii from deep-frozen bull semen - a case report.** Naučni simpozijum Reprodukcijska domaćih životinja i bolesti novorođenčadi, Divčibare, 4-7. oktobar 2012, urednik Miodrag Lazarević, Zbornik predavanja, Str. 125-129, Beograd, Naučna KMD, 2012 (srp), M63 0,5
85. Milovanović A., Barna T., Lazarević M., Savić S., Milanov D., Maksimović N.: **Progesterone profile of the Sjenicka breed sheep and off-season mating.** Naučni simpozijum Reprodukcijska domaćih životinja i bolesti novorođenčadi, Divčibare, 4-7. oktobar 2012, urednik Miodrag Lazarević, Zbornik predavanja, Str. 137-141, Beograd, Naučna KMD, 2012 (srp), M63 0,5
86. Milovanović A., Milovanović B., Barna T., Lazarević M., Aleksijević D.: **The first laparoscopic insemination of sheep with deep-frozen semen in the Republic of Serbia.** Naučni simpozijum Reprodukcijska domaćih životinja i bolesti novorođenčadi, Divčibare, 4-7. oktobar 2012, urednik Miodrag Lazarević, Zbornik predavanja, Str. 143-148, Beograd, Naučna KMD, 2012 (srp), M63 0,5
87. Prokić N., Milovanović A., Barna T., Rogožarski D.: **Quarantine of semen and sperm in domestic animals-epizootiological significance.** Third International epizootiology Days [i] XV Serbian epizootiology days, Nay 8-11, 2013, Niška banja, editor in chief Tamaš Petrović, Proceedings, Str. 195-201, Belgrade, Faculty of veterinary medicine, 2013 (engsrp), M63 0,5
88. Milovanović A., Barna T., Lazarević M., Ćupić V., Milovanović B.: **Hormonal induction of lactation of a heifer genus - a case report.** Naučni simpozijum Reprodukcijska domaćih životinja, Divčibare, 10-13. oktobar 2013, urednik Miodrag Mirilović, Zbornik predavanja, Str. 153-154, Beograd, Naučna KMD, 2013 (srp), M64 0,2
89. Milovanović A., Barna T., Dražić M., Etinski N., Erdeljan M.: **The use of rigid colposcopes in modern diagnostics of reproductive conditions of the sexual organs of cows.** Naučni simpozijum Reprodukcijska domaćih životinja, Divčibare, 10-13. oktobar 2013, urednik Miodrag Mirilović, Zbornik predavanja, Str. 165-165, Beograd, Naučna KMD, 2013 (srp), M64 0,2
90. Vasiljević T., Milovanović A., Barna T., Lazarević M.: **The Effect of Sperm Chromatin Structure on Pollination and Brood Size.** Naučni simpozijum Reprodukcijska domaćih životinja, Divčibare, 10-13. oktobar 2013, urednik Miodrag Mirilović, Zbornik predavanja, Str. 177-178, Beograd, Naučna KMD, 2013 (srp), M64 0,2
91. Milovanović A., Barna T., Apić Jelena, Kujača V., Lazarević M., Gvozdić D., **The Effect of Progesterone Surveillance on Improving the Reproductive Efficiency of High-Milk Cows in the First Lactation.** Naučni simpozijum Reprodukcijska domaćih životinja, Divčibare, 9-12. oktobar 2014, urednik Miodrag Mirilović, Zbornik predavanja, Str. 125-133, Beograd, Naučna KMD, 2014 (srp), M64 0,2
92. Milovanović A., Barna T., Kujača V., Lazarević M., **Change in the body condition of cows of the Holstein breed after calving and its impact on reproductive indicators.** Naučni simpozijum Reprodukcijska domaćih životinja, Divčibare, 9-12. oktobar 2014, urednik Miodrag Mirilović, Zbornik predavanja, Str. 145-150, Beograd, Naučna KMD, 2014 (srp), M64 0,2

#### Master's and Doctoral Theses (M70):

93. Milovanović A.: **Determination of antibodies against sperm antigens in blood serum and cervical mucus of heifers and cows by indirect immunofluorescence** : magistarska teza. Beograd, Fakultet veterinarske medicine, Katedra za fiziologiju i biohemiju, 2005, M72 3,0
94. Milovanović Aleksandar: Ispitivanje uticaja funkcionalne aktivnosti neutrofilnih granulocita i progesteronskog profila na razvoj poremećaja u reprodukciji krava = **Study of functional neutrophil activity and progesterone profile influence on development of disorders in cows reproduction:** Doctoral dissertation. Beograd, Fakultet veterinarske medicine, Katedra za fiziologiju i biohemiju, 2014 M71 6,0

## Patents (M90):

1. Jovičin M., Kovačević M., Milanov D., Milovanović A., Bugarski D., Pušić I., Barna T., Lazov Z., Dražić M.: **COLPOSCOPE for modern diagnostics of the reproductive state of the sexual organs and signs of heat in breeding cows: small patent document: number 1278U.** Beograd, Zavod za intelektualnu svojinu, 2012 M92 8,0

Classification of results **from the Decision of the Scientific Council of the Scientific Veterinary Institute "Novi Sad" on the proposal to acquire the existing title ( period 12/12/2014 - January 2020 )** according to Annex 2 and Annex 3 of the Rulebook (Official Gazette 12/12/2014 - January 2020) Official Gazette no. 24/2016, 21/2017 and 38/2017 correction ).

## Papers published in scientific journals of international importance (M20):

### M22

1. Maksimović N., **Milovanović Aleksandar**, Barna Tomislav, Petrović V.C., Pantelić V., Lazarević M., Stojanov Igor: **Short-term liquid storage of ram semen in various extenders.** South African Journal of Animal Science, ISSN 0375-1589, 48, 4, 717-723, 2018 (eng), M22 5,0, TR3105 **IF = 0,981**
2. Romanowski R., Culbert R., Alkemade S. Medellin-Peña M.J., Bugarski D, **Milovanovic A.**, Nesic S., Masic A.: **Mycobacterium cell wall fraction immunostimulant (amplimune™) efficacy in the reduction of the severity of etec induced diarrhea in neonatal calves.** Acta Veterinaria-Beograd 2017, 67 (2), 222-237; UDK: 636.2.09:[616-022.5:579.842.11 DOI: 10.1515/acve-2017-0019 (eng) M22 IF (2016): **IF = 0,741**

### M23

3. Apić Jelena, Stančić Ivan, Vakanjac Slobodanka, Radović I., **Milovanović Aleksandar**, Barna Tomislav, Maletić M.: **Influence of the protein content of boar seminal plasma on spermatozoa viability, motility and acrosome integrity in diluted semen stored for 3 days.** Animal Reproduction, ISSN 1806-9614, 13, 1, 36-41, 2016 (eng), M23 3,0 **IF = 0.991**
4. Dačić M., Resanović R., Rašić Z., Valčić M., **Milovanović Aleksandar**, Velhner Maja: **Efficacy of recombinant VAXXITEK HVT-IBDv vaccine against very virulent Infectious bursal disease virus (vvIBDv) challenge in layer chicks: A pilot study.** Journal of the Hellenic Veterinary Medical Society, ISSN 1792-2720, 69, 1, 823-830, 2018, M23 3,0, TR 31071, doi.org/10.12681/jhvms.16434 **IF = 0.085**
5. Maksimović Nevena, **Milovanović Aleksandar**, Barna Tomislav, Delić Nikola, Stefanov Rossen, Pantelić Vlada, Taushanova Paulina: **Effects of prostaglandin and HCG on out of season oestrous synchronization and fertility and assessment of progesterone concentration for early pregnancy diagnosis in ewes.** Comptes rendus de l academie Bulgare des sciences, ISSN 1310-1331, 70, 6, pp. 885-894, 2017 (eng), M23 3,0 **IF = 0,321**
6. Ntemka A., Tsakmakidis I.A., Kiossis E., **Milovanović Aleksandar**, Boscós C.M.: **Current status and advances in ram semen cryopreservation.** Journal of the Hellenic Veterinary Medical Society, ISSN 1792-2720, 69, 2, 911-924, 2018 (eng), M23 3,0 **IF = 0.085**
7. Stojanov Igor, **Milovanović Aleksandar**, Ružić-Muslić Dragana, Ratajac Radomir, Živkov-Baloš Milica, Maksimović Nevena, Apić Jelena: **The application of EDTA-Tris and chlorhexidine in the treatment of endometritis as a replacement for antibiotic therapy in cows.** Turkish Journal of Veterinary and Animal Sciences, ISSN 1300-0128, 42, 91-96, 2018 (eng), M23 3,0 **IF = 0,513**
8. Žekić-Stošić Marina, Kanačk Zdenko, Stojanović Dragica, Bugarski Dejan, Lazarević Miodrag, **Milovanović Aleksandar**, Mašić Aleksandar: **Neutrophil phagocytosis and respiratory burst**

**activity of dairy cows during the transition period and early lactation.** Journal of Infection in Developing Countries, ISSN 1972-2680, 12, 10, 894-903, 2018 (eng), M23 3,0 **IF = 1,353**

9. Stojanov Igor, Milovanović Aleksandar, Barna Tomislav, Prodanov Radulović Jasna, Apić Jelena, Stojanović Dragica, Maksimović Nevena: **Antimicrobial resistance as a problem for the quality of boar semen** = Antimikrobna rezistencija kao problem kvaliteta semena nerasta. Acta veterinaria, ISSN 0567-8315, 70, 1, 136-146, 2020, M23 3,0, UDK 636.4.082.2:591.463.1, doi:10.2478/acve-2020-0010, TR31084 **IF = 0,656**

### Proceedings of International Scientific Conferences (M30):

#### M31

10. **Milovanović Aleksandar**, Barna Tomislav, Jovičin Milovan, Apić Jelena, Lazić Sava, Stojanov Igor, Urošević Miroslav: **Sanitary and quality conditions of imported bulls semen in Serbia analysed at 'NIV-NS' (retrospective from 2010-2014).** Proceedings, First International Symposium of Veterinary Medicine 'One Health - New Challenges' (ISVM2015), Vrdnik, May 21-23, 2015, editor in chief Tamaš Petrović, Novi Sad, Scientific Veterinary Institute 'Novi Sad', 2015, 71-79, ISBN 978-86-82871-36-1 (eng), M31 3,5, UDK 636.2:636.01(497.11)'2010-2014'

#### M33

11. Lazarević Miodrag, **Milovanović Aleksandar**, Veljović Ljubiša: **Mannan oligosaccharides - modes of action and possibilities for usage.** Proceedings, Second International Symposium of Veterinary Medicine (ISVM2016), Belgrade, June 22-24, 2016, editor in chief Vladimir Radosavljević, Beograd, Scientific Institute of Veterinary Medicine of Serbia, 2016, 75-82, ISBN 978-86-81761-55-7 (eng), M33 1,0
12. Ratajac Radomir, Žekić-Stošić Marina, **Milovanović Aleksandar**, Stojanov Igor: **Antimicrobial activity of the essential oils from some aromatic medicinal plants cultivated in Serbia.** Proceedings, First International Symposium of Veterinary Medicine 'One Health - New Challenges' (ISVM2015), Vrdnik, May 21-23, 2015, editor in chief Tamaš Petrović, Novi Sad, Scientific Veterinary Institute 'Novi Sad', 2015, 454-461, ISBN 978-86-82871-36-1 (eng), M33 1,0
13. Ratajac Radomir, **Milovanović Aleksandar**, Žekić-Stošić Marina, Barna Tomislav, Mihaljev Željko, Prodanov-Radulović Jasna, Stojanović Dragica: **Ragweed (*Ambrosia artemisiifolia* L.) - determination of phytoestrogen activity, basic nutrient content and its potential as a forage for small ruminant.** Proceedings, XVI International congress Feed technology, Novi Sad, 28-30.10.2014, editor Bojana Kokić, Novi Sad, Institute of food technology, 2014, str.130-136, ISBN 978-86-7994-042-1 (eng), M33 1,0, UDK 632.51:636.086
14. Apić Jelena, **Milovanović Aleksandar**, Barna Tomislav, Jovičin Milovan: **Sperm pathological forms and acrosomal membrane integrity in boar AI dose on pig farms in AP Vojvodina (Serbia).** Proceedings, First International Symposium of Veterinary Medicine 'One Health - New Challenges' (ISVM2015), Vrdnik, May 21-23, 2015, editor in chief Tamaš Petrović, Novi Sad, Scientific Veterinary Institute 'Novi Sad', 2015, 87-91, ISBN 978-86-82871-36-1 (eng), M33 1,0, UDK 619:611.013.1:636.4(497.113)
15. **Milovanović Aleksandar**, Barna Tomislav, Apić Jelena, Kujača V., Lazarević Miodrag, Gvozdić D., Maksimović N.: **The effect of progesterone monitoring in improving reproductive efficiency in first lactating dairy cows.** The International Symposium on Animal Science (ISAS) 2015. 19<sup>th</sup> International Congress on Biotechnology in Animal Reproduction (ICBAR), 09-11.09.2015, Novi Sad, [editor in chief Snežana Trivunović], Novi Sad, Faculty of Agriculture, 2015, Str.31-38, ISBN 978-86-7520-348-3 (eng), M33 1,0, UDK 637.1:636.082.4
16. **Milovanović Aleksandar**, Barna Tomislav, Apić Jelena, Bugarski Dejan, Maksimović N., Jović Ž.: **Results of out-of-season breeding in nulliparous saanen goats.** Proceedings, The International

Symposium on Animal Science (ISAS)2016, 24-25th November, Belgrade, Serbia, [editor in chief Zoran Popović], Zemun, Faculty of Agriculture, 2016, 61-68, ISBN 978-86-7834-261-5 (eng), M33 1,0

17. Stojanov Igor, **Milovanović Aleksandar**, Prodanov-Radulović Jasna, Došen Radoslav, Barna Tomislav, Apić Jelena: **Pseudomonas aeruginosa in semen boars and possible sources of infection = Nalaz Pseudomonas aeruginosa u semenu nerasta i mogući izvori infekcije**. Proceedings, 4<sup>th</sup> International Congress New Perspectives and Challenges of Sustainable Livestock Production, Belgrade, Serbia 7 - 9 October 2015, editor in chief Zdenka Skrbic, Beograd, Institute for Animal Husbandry, 2015, 495-503, ISBN 978-86-82431-71-8 (eng), M33 1,0
18. Urošević Miroslav I., Losinno Luis, **Milovanović Aleksandar**, Trailović Dragiša, Vakanjac Slobodanka, Petrović Jelena, Filipović Nataša: **The health status of breeding stallions for natural breeding and artificial insemination: regulatory compliance in European union and West Balkan**. Proceedings, First International Symposium of Veterinary Medicine 'One Health - New Challenges' (ISVM2015), Vrdnik, May 21-23, 2015, editor in chief Tamaš Petrović, Novi Sad, Scientific Veterinary Institute 'Novi Sad', 2015, 80-86, ISBN 978-86-82871-36-1 (eng), M33 1,0, UDK 636.1.082(4-672EU)(035)
19. Vašalić Z., Jurakić Ž., Dragin S., **Milovanović Aleksandar**: **Cryopreservation in artificial spawning of fish**. Proceedings, The International Symposium on Animal Science (ISAS) 2016, 24-25th November, Belgrade, Serbia, [editor in chief Zoran Popović], Zemun, Faculty of Agriculture, 2016, 422-427, ISBN 978-86-7834-261-5 (eng), M33 1,0
20. Žekić-Stošić Marina, Ratajac Radomir, **Milovanović Aleksandar**, Petrović Jelena, Stojanov Igor, Apić Jelena: **Antimicrobial susceptibility of mastitis pathogens to iodine-lithium complex in vitro**. Proceedings, First International Symposium of Veterinary Medicine 'One Health - New Challenges' (ISVM2015), Vrdnik, May 21-23, 2015, editor in chief Tamaš Petrović, Novi Sad, Scientific Veterinary Institute 'Novi Sad', 2015, 473-478, ISBN 978-86-82871-36-1 (eng), M33 1,0

#### M34

21. Ratajac Radomir, Žekić-Stošić Marina, Stojanov Igor, **Milovanović Aleksandar**, Petrović Jelena, Stojanović Dragica, Jezdimirović Milanka: **Antibacterial activity of essential oil of *Satureja montana* L. and its potential use in the control of reproductive infection of animals**. Book of Abstracts, International Symposium Natural products and drug discovery - future perspectives, 13-14 November 2014, Vienna University of Technology, Vienna, Austria, Vienna, University of Technology, 2014, str. [66](eng), M34 0,5, UDK 615:616.921
22. Miloradović Lazar, **Milovanović Aleksandar**, Savić Mila, Gaspardý Andras, Bojkovski Jovan, Borzan Mihai, Kiskaroly Ferenc, Becskei Zsolt: **The preputial mikrobiome of wurtemberg rams**. Book of abstracts, The 17. Internacional symposium prospects for the 3<sup>rd</sup> millenium agriculture, Cluj-Napoca, Romania, 27-29. 09. 2018., Editor in chief: Assoc. Prof. Dan. C. Vodnar, Cluj-Napoca, University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca, 2018, str.387 (eng), M34 0,5
23. Mašić A., Keunen A., **Milovanović A.**, Bugarski D., Alkemade S.: **Evaluation of mycobacterium cell wall fraction (MCWF) immune stimulant as antimicrobial alternative following administration to a veal calves**, 50<sup>th</sup> Annual Conference of the American Association of Bovine Practitioners, Omaha, Nebraska, American Association of Bovine Practitioners, 14-16 Septembar, 2017. M34 0,5 [http://www.aabp.org/meeting/display\\_research.asp?recnum=189](http://www.aabp.org/meeting/display_research.asp?recnum=189)
24. **Milovanović Aleksandar**, Barna Tomislav, Lazarević Miodrag, Apić Jelena, Milanov Dubravka: **Pararectal treatment of boars with primary semen contamination and astenospermia**. Reproduction in Domestic Animals (Suppl.), ISSN 0936-6768, 67-67, 2015 (eng), M34 0,5
25. **Milovanović Aleksandar**, Bo Gabriel, Chesta Pablo, Barna Tomislav, Bugarski Dejan, Masić Aleksandar: **Efficacy of Mycobacterium Cell Wall Fraction on intrauterine influx of polymorphonuclear cells in dairy cows-dose comparison study**. Abstract Book, The 30<sup>th</sup> World Buiatrics Congress, Sapporo, Japan, August 28-September 1.2018., Sapporo, Organizing Committee for WBC, 2018, str.143 (eng), M34 0,5

26. Ratajac Radomir, Žekić-Stošić Marina, Prodanov-Radulović Jasna, Petrović Jelena, **Milovanović Aleksandar**, Stojanov Igor, Petrović Tamaš: **Potentially cytotoxic side effects of essential oils with good antibacterial activity on animal cell line**. Book of abstracts, Final Conference, Challenges and prospects in PNP metabolic engineering and production, Sorrento, Italy, April 15th-17th, 2015, Sorrento, University of Salerno, Dept of Pharmacy, 2015, 130-131 (eng), M34 0,5
27. Ratajac Radomir, Stojanov Igor, Kapetanov Miloš, Prodanov-Radulović Jasna, **Milovanović Aleksandar**, Žekić-Stošić Marina, Stojanović Dragica, Urošević Miroslav: **Biljni ekstrakti kao moguća alternativa konvencionalnim lekovima u kontroli bolesti genitalnih organa životinja = Herbal extracts as a possible alternative to conventional drugs in control of genital diseases of animal**. Abstrakts Book, International Scientific Conference on Ecological Crisis: Technogenesis and Climate Change, odgovorni urednik Larisa Jovanović, Beograd, Naučno-stručno društvo za zaštitu životne sredine Srbije Ecologica, 2016, str.91-92, ISBN 978-86-89061-09-3 (srp), M34 0,5
28. Urošević Miroslav, Nešić V., Smola J., Vanickova Alena, Roykot M., **Milovanović Aleksandar**, Filipović Nataša: **The health status of breeding boars for natural and artificial insemination, regulatory compliance in Serbia: are we closer or further away European Union?** Book of abstracts, IV International Symposium and XX Scientific-Professional Conference of Agronomists of Republic of Srpska, March 2-6.2015, Bijeljina, Editor in Chief: Gordana Đurić, Banja Luka, Faculty of Agriculture, 2015, 194-194, ISBN 978-99938-93-30-1 (eng), M34 0,5
29. Urošević Miroslav, Nešić V., Smola J., Vanickova Alena, Roykot M., **Milovanović Aleksandar**, Filipović Nataša: **The health status of bulls in artificial insemination centres: harmonization of legislation in Serbia with European Union**. Book of abstracts, IV International Symposium and XX Scientific-Professional Conference of Agronomists of Republic of Srpska, March 2-6.2015, Bijeljina, Editor in Chief Gordana Đurić, Banja Luka, Faculty of Agriculture, 2015, 347-347, ISBN 978-99938-93-30-1 (eng), M34 0,5

#### **Papers published in scientific journals of national importance (M50):**

##### **M51**

30. Apić Jelena, Vakanjac Slobodanka, Radović Ivan, Jotanović Stoja, Živkov-Baloš Milica, **Milovanović Aleksandar**, Barna Tomislav, Stanković Branislav, Jajić Igor, Maletić Milan: **Effect of proteine content in boar seminal plasma on the sperm motility in diluted semen stored for 3 days**. Journal of Microbiology, Biotechnology and Food Sciences, ISSN 1338-5178, 4, 1-3, 2015 (eng), M51 2,0
31. Stefanov Rossen, Chervenkov Mihail, Anev Georgi, Maksimović Nevena, Andreeva Madlena, Ivanova Teodora, **Milovanović Aleksandar**: **Effect of supplementation with inorganic and organic selenium on sperm quality and quantity in north-east bulgarian merino rams** = Uticaj dodavanja neorganskog i organskog selena na kvalitet i količinu sperme ovnova severoistočne bugarske merino rase. Biotechnology in Animal Husbandry, ISSN 1450-9156, 34, 1, Str.69-81, 2018 (eng), M51 2,0, UDK 636.082'63, doi:10.2298/BAH1801069S
32. Barna T., Apić J, Bugarski D., Maksimović N., Mašić A., Novaković Z., **Milovanović A.**: **Incidence of hydrometra in goats and therapeutic effects**. Arhiv veterinarske medicine, ISSN 1820-9955, str. 13-24, 2017 (eng) **M51 2,0**

##### **M52**

33. Mašić Aleksandar, Prunić Bojana, Bugarski Dejan, Petrović Tamaš, Barna Tomislav, Apić Jelena, **Milovanović Aleksandar**: **Immunomodulator-Mycobacterium Cell Wall Fraction as an aid in control of persistent Mycoplasma bovis infection in dairy cows** = Imunomodulator - frakcije celijskog zida mikobakterija kao pomoc u kontroli perzistentne infekcije mlecnih krava sa mycoplasma bovis. Veterinarski glasnik, ISSN 0350-2457, 71, 1, str.58-68, 2017 (eng), M52 1,5, UDK 636.2.09:[616.98:579.887

##### **M53**

34. **Milovanović A., Petrović T., Apić J., Lupulović D., Barna T., Lazić G., Lazić S.: Boar Quality Semen Testing and Presence of Mycoplasma Organism.** J Vet Sci Res, 2(3): 000137, 2017. **M53 1,0** TR31084 i TR31071

#### Proceedings of Conferences of National Importance (M60)

##### M61

35. **Milovanović A., Barna T., Apić J., Stojanov I., Lazarević M.: A practical presentation of the cooperation between the repro center and the laboratory for reproduction in quality control and microbiological contamination of boar semen. Proceedings XV Symposium ~Health Care, Selection and Reproduction of Pigs~** sa međunarodnim učešćem, Srebrno jezero, Veliko Gradište, 25-27. Maj 2017, Urednik: Ivan Dobrosavljević, Požarevac, Veterinarski specijalistički institut "Požarevac" u saradnji sa Veterinarskom komorom, 2017, 85-93, (srp), **M61 1,5**
36. **Milovanović A., Maksimović N., Barna T., Apić J., Delić N., Ružić-Muslić D., Novaković Z.: Possibilities of Application of Assisted Reproductive Technologies in the Development of Particularly Interesting Sheep Breeds in the Republic of Serbia.** Zbornik radova i kratkih sadržaja, 28. Savetovanje veterinara Srbije, 07-10. septembar 2017., Zlatibor, glavni i odgovorni urednik: Prof. dr Milorad Mirilović, Beograd, Srpsko veterinarsko društvo, 2017, 137-144, ISBN 978-86-83115-32-7; **M61 1,5**
37. **Milovanović A.: Control and improvement of fertility of rams and sheep,** Zbornik predavanja Jednodnevnog seminara "Zrenjanin februar 2017.", Zrenjanin 27.02.2017., Izdavač: Udruženje veterinara velike prakse Srbije (UVVPS), Urednik: Bojan Blond, Organizator: Udruženje veterinara velike prakse Srbije (UVVPS), 2017, 5-18, ISBN 978-86-920323-2-5, **M61 1,5**
38. **Milovanović Aleksandar: Control and improvement of fertility of rams and sheep.** Zbornik predavanja, Jednodnevnog seminara "Kragujevac mart 2018", 10.03.2018., Kragujevac, Udruženje veterinara velike prakse Srbije (UVVPS), 2018, 32-46 (srp), **M61 1,5**
39. **Milovanović Aleksandar, Barna Tomislav, Apić Jelena: Basic steps for intensive and profitable sheep production.** Zbornik predavanja, Jednodnevnog seminara "Niš septembar 2018", 29.09.2018., Niš, Udruženje veterinara velike prakse Srbije (UVVPS), 2018, 79-97 (srp), ISBN 978-86-900417-1-8 COBBIS.SR – ID 267778316; **M61 1,5**
40. **Milovanović Aleksandar, Mašić Aleksandar, Barna Tomislav, Apić Jelena, Jovičin Milovan, Lazarević Miodrag: Diagnosis and significance of (sub)clinical endometritis in cows at the time of insemination.** Zbornik predavanja, Zdravstvena zaštita i reprodukcija farmskih životinja, 26.05.2018., Novi Sad, urednik Bojan Blond, Udruženje veterinara velike prakse Srbije (UVVPS), 2018, str.211-233, ISBN 978-86-900417-0-1 (srp), **M61 1,5**
41. **Milovanović Aleksandar, Barna Tomislav, Apić Jelena, Lazarević Miodrag, Gvozdić Dragan: Plodnost mužjaka i kontrola kvaliteta semena = Male fertility and semen quality control.** Zbornik predavanja, 7. naučni simpozijum Reprodukcijska domaćih životinja Divčibare, 06-09. oktobar 2016, odgovorni urednik Miodrag Lazaravić, Beograd, Fakultet veterinarske medicine, 2016, str.31-48, ISBN 978-86-80446-00-4 (srp), **M61 1,5**, UDK 616.699+612.616:636.09+681.5

##### M62

42. **Milovanović Aleksandar, Barna Tomislav, Apić Jelena, Stojanov Igor, Lazarević Miodrag, Vasiljević Teodora, Antić Danko, Mašić Aleksandar: Primena imunostimulatora u korekciji plodnosti krmača i odgoju prasadi u ranoj fazi - preliminarni rezultati.** Zbornik radova, XVII Simpozijum 'Zdravstvena zaštita, selekcija i reprodukcija svinja' sa međunarodnim učešćem, 30.5-1.6.2019., Srebrno jezero, Veliko Gradište, Požarevac, Veterinarski specijalistički institut 'Požarevac' u saradnji sa Veterinarskom komorom, 2019, str.142-143, ISBN 978-86-6419-029-9 (srp), **M62 1,0** TR31071M63
43. **Milovanović Aleksandar, Barna Tomislav, Apić Jelena, Stojanov Igor, Lazarević M.: Boar seed quality parameters depending on the proportion of protoplasmic droplets.** Zbornik radova, XVI Simpozijum 'Zdravstvena zaštita, selekcija i reprodukcija svinja' sa međunarodnim učešćem, 31.5-

### M63

44. Prokić Nataša, **Milovanović Aleksandar**, Barna Tomislav, Vasić Ana, Manić Marija, Blagojević Mirko, Rogožarski Dragan: **Cryopreservation of boar seeds and its importance**. Zbornik radova 12. simpozijuma sa međunarodnim učešćem 'Zdravstvena zaštita, selekcija i reprodukcija svinja', Srebrno jezero, 17-19 oktobar 2014. godine, [urednik Dragan Rogožarski], Požarevac, Veterinarski specijalistički institut, 2014, str.120-125, ISBN 978-86-6419-001-5 (srp), M63 0,5, UDK 619:611.013.1:636.4
45. Dovenski Toni, Trojačanec Plamen, **Milovanović Aleksandar**, Atanasov Branko, Nikolovski Martin, Popovska-Perčinić Fiorina, Dovenska Monika, Barna Tomislav, Petkov Vladimir: Napredak u dubokom zamrzavanju semena ovnova i v.o.ovaca = **Recent progress in ram semen cryoconservation and ovine artificial insemination**. Zbornik predavanja, 6. Naučni simpozijum Reprodukcijska domaćih životinja i bolesti mlečne žlezde, Divčibare, 08-11. oktobar 2015, odgovorni urednik Miodrag Lazarević, Beograd, Fakultet veterinarske medicine, 2015, str.51-64, ISBN 978-86-81043-93-6 (srp), M63 0,5, UDK 636.32/38:612.616
46. Lazarević Miodrag, Mlinar Saša, **Milovanović Aleksandar**: Fiziološki značaj C vitamina kod preživara = **Physiological importance of vitamin C in ruminants**. Zbornik radova i kratkih sadržaja, 30. Savetovanje veterinara Srbije, 12-15. septembar 2019, Zlatibor, urednik Milorad Mirilović, Beograd, Srpsko veterinarsko društvo, 2019, Str.60-72, ISBN 978-86-83115-38-9 (srp), M63 0,5, III46002
47. **Milovanović Aleksandar**, Barna Tomislav, Jovičin Milovan, Apić Jelena, Lazić Sava, Stojanov Igor, Lazarević Miodrag, Urošević Miroslav: Procedure, rezultati i efekti analize uzoraka uvoznog semena bikova pregledanih u 'NIV-NS' = **Procedures, results and effects of imported bulls' semen analysis examined in the 'SVI-NS'**. Zbornik predavanja, 6. naučni simpozijum Reprodukcijska domaćih životinja i bolesti mlečne žlezde, Divčibare, 08-11. oktobar 2015, odgovorni urednik Miodrag Lazarević, Beograd, Fakultet veterinarske medicine, 2015, str. 169-184, ISBN 978-86-81043-93-6 (srp), M63 0,5, UDK 636.2:612.616
48. **Milovanović Aleksandar**, Barna Tomislav, Apić Jelena, Lazarević M.: Štetni efekti visoke koncentracije uree u ishrani mlečnih krava na nivo progesterona i embrionalni razvoj = **Detrimental effects of high urea concentration in dairy cattle on the progesterone level and embryonic development**. Zbornik predavanja, 9. naučni simpozijum 'Reprodukcijska domaćih životinja', 11-14. 11. 2018., Divčibare, editor in chief prof. dr Miodrag Lazarević, Organizator Fakultet veterinarske medicine Univerziteta u Beogradu, 2018, ISBN 978-86-80446-20-2. (srp), M63 0,5
49. **Milovanović Aleksandar**, Barna Tomislav, Apić Jelena, Lazarević Miodrag, Kujača Velibor: Cervicitis, paracervicitis i skleroza grlića - dijagnoze koje se često previde = **Cervicitis, paracervicitis and cervical sclerosis - frequently overlooked diagnoses**. Zbornik predavanja, 10. naučni simpozijum 'Reprodukcijska domaćih životinja i bolesti mlečne žlezde', 10-13.10.2019., Divčibare, editor in chief prof. dr Miodrag Lazarević, Organizator Fakultet veterinarske medicine Univerziteta u Beogradu, 2019, str.245-257, ISBN 978-86-80446-28-8 (srp), M63 0,5, UDK 611.663+618.17-083:616-071+005.934.1, TR31701
50. **Milovanović Aleksandar**, Mašić Aleksandar, Barna Tomislav, Apić Jelena, Jovičin Milovan, Lazarević Miodrag: Dijagnoza supkliničkog endometritisa kod krava u trenutku osemenjavanja – primena novog katetera = **Diagnosis of (sub)clinical endometritis in cows at the moment of insemination - application of new catheter**. Zbornik predavanja, 8. naučni simpozijum 'Reprodukcijska domaćih životinja i bolesti mlečne žlezde', 12-15.10.2019., Divčibare, editor in chief prof. dr Miodrag Lazarević, Organizator Fakultet veterinarske medicine Univerziteta u Beogradu, 2017, str. 251-262, ISBN 978-86-80446-11-0 (srp), M63 0,5, UDK 611.076.5+618.14-002:616-089.11+0615.472.5, TR31701
51. **Milovanović Aleksandar**, Lazarević Miodrag, Milanov Dubravka, Barna Tomislav: Primena manan oligosaharida u terapiji puerperalnih infekcija mlečnih krava = **Mannan oligosacharides in the therapy of dairy cows puerperal infections**. Zbornik predavanja, 8. naučni simpozijum

'Reprodukcija domaćih životinja i bolesti mlečne žlezde', 12-15.10.2019., Divčibare, editor in chief prof. dr Miodrag Lazarević, Organizator Fakultet veterinarske medicine Univerziteta u Beogradu, 2017, str. 209-2015, ISBN 978-86-80446-11-0 (srbenj), M63 0,5, UDK 611.076.5+618.14-002:616-089.11+0615.472.5, TR31701

52. Stojanov Igor, **Milovanović Aleksandar**, Prodanov-Radulović Jasna, Živkov-Baloš Milica, Pušić Ivan, Barna Tomislav, Apić Jelena: **Pseudomonas aeruginosa in native boar semen as a hygiene problem**. Zbornik radova, XVI Simpozijum 'Zdravstvena zaštita, selekcija i reprodukcija svinja' sa međunarodnim učešćem, 31.5-2.6.2018., Srebrno jezero, Veliko Gradište, urednik Ivan Dobrosavljević, Požarevac, Veterinarski specijalistički institut 'Požarevac' u saradnji sa Veterinarskom komorom, 2018, Str.130-135, ISBN 978-86-6419-025-1 (srp), M63 0,5, TR31084
53. Stojanov Igor, **Milovanović Aleksandar**, Prodanov-Radulović Jasna, Petrović Jelena, Pušić Ivan, Barna Tomislav, Apić Jelena: **Bacteriological control of pigs in quarantine - significance**. Zbornik radova, XVII Simpozijum 'Zdravstvena zaštita, selekcija i reprodukcija svinja' sa međunarodnim učešćem, 30.5-1.6.2019., Srebrno jezero, Veliko Gradište, Požarevac, Veterinarski specijalistički institut 'Požarevac' u saradnji sa Veterinarskom komorom, 2019, str. 88-94, ISBN 978-86-6419-029-9 (srp), M63 0,5

## M64

54. Barna Tomislav, **Milovanović Aleksandar**, Apić Jelena, Gvozdić Dragan: Uticaj vakcine Porcilis PRRS na kvalitet sperme nerastova - prikaz slučaja = **Effect of Porcilis PRRS vaccine on boar semen quality - case report**. Zbornik predavanja, 10. naučni simpozijum 'Reprodukcija domaćih životinja i bolesti mlečne žlezde', 10-13.10.2019., Divčibare, editor in chief prof. dr Miodrag Lazarević, Organizator Fakultet veterinarske medicine Univerziteta u Beogradu, 2019, str. 229-230, ISBN 978-86-80446-28-8 (srbenj), M64 0,2, UDK 612.616+111.4+636.4:351.774.7+578.822.9
55. Bugarski Dejan, **Milovanović Aleksandar**, Petrović Tamaš, Savić Sara, Simin S., Milanov Dubravka, Grgić Živoslav: Zdravstvena zaštita koza u farmskom uzgoju u Srbiji = **Dairy goat health management in Serbia**. Zbornik kratkih sadržaja, 22. godišnje savetovanje doktora veterinarske medicine Republike Srpske (Bosna i Hercegovina) sa međunarodnim, Teslić, Banja Vrućica, 07-10. juna 2017, urednik Drago Nedić, Banja Luka, Veterinarska komora Republike Srpske, 2017, 37-38, ISBN 978-99955-770-4-9 (srp), M64 0,2
56. Lazarević Miodrag, **Milovanović Aleksandar**: Imunostimulatori u veterinarskoj medicini = **Immunostimulators in veterinary medicine**. Zbornik kratkih sadržaja = Book of Abstracts, 22. godišnje savetovanje doktora veterinarske medicine Republike Srpske (Bosna i Hercegovina) sa međunarodnim učešćem = 22<sup>nd</sup> Annual Counselling of Doctors of Veterinary Medicine of Republic of Srpska (Bosnia and Herzegovina) With International Participation, Teslić, Banja Vrućica, 07-10. juna 2017, organizatori Veterinarska komora Republike Srpske i društvo veterinara Republike Srpske, glavni i odgovorni urednik Drago Nedić, Banja Luka, Veterinarska komora Republike Srpske, 2017, 117-118, ISBN 978-99955-770-4-9, M64 0,2
57. Lazarević Miodrag, **Milovanović Aleksandar**, Žekić-Stošić Marina: Ekstacelularne mreže neutrofilnih granulocita = **Neutrophil extracellular traps**. Zbornik kratkih sadržaja, 23. godišnje savetovanje doktora veterinarske medicine Republike Srpske (Bosna i Hercegovina) sa međunarodnim učešćem, Teslić, Banja Vrućica, 06-09. juna 2018., urednik Drago Nedić, Banja Luka, Veterinarska komora Republike Srpske, 2018, 155-158, ISBN 978-99955-770-5-6 (srp), M64 0,2
58. Lazarević Miodrag, **Milovanović Aleksandar**, Barna Tomislav: Ekstacelularne vezikule u semenoj plazmi = **Extracellular vesicles in seminal plasma**. Zbornik kratkih sadržaja, 24. godišnje savetovanje doktora veterinarske medicine Republike Srpske (Bosna i Hercegovina) međunarodni naučni skup, Bijeljina, Etno selo Stanišići, 12-15. juna 2019., urednik Drago Nedić, Banja Luka, Veterinarska komora Republike Srpske, 2019, 157-160, ISBN 978-99955-770-6-3 (srp), M64 0,2, III46002
59. Lazarević Miodrag, **Milovanović Aleksandar**, Barna Tomislav: Antivirusno delovanje semene plazme sisara = **Antiviral properties of the mammalian seminal plasma**. Zbornik predavanja, 10. naučni simpozijum 'Reprodukcija domaćih životinja i bolesti mlečne žlezde', 10-13.10.2019., Divčibare, editor in chief prof. dr Miodrag Lazarević, Organizator Fakultet veterinarske medicine Univerziteta u

60. **Milovanović Aleksandar**, Jovičin Milovan, Jeranče Boris, Jeranče Danica, Barna Tomislav, Apić Jelena, Lazarević Miodrag: Panonsperm, komplet za bojenje semena nerasta u jednom koraku (po mortimeru)= **Panonsperm, set for boars' semen staining in one step (according to Mortimer)**. Zbornik predavanja, 7. naučni simpozijum Reprodukcijska domaćih životinja Divčibare, 06-09. oktobar 2016., odgovorni urednik Miodrag Lazaravić, Beograd, Fakultet veterinarske medicine, 2016, str.143-144, ISBN 978-86-80446-00-4 (srp), M64 0,2, UDK 37.091.27+57.086.16:612.616+636.4
61. **Milovanović Aleksandar**, Ognjanović Miloš, Apić Jelena, Barna Tomislav, Lazarević Miodrag, Maksimović Nevena: Upporedno ispitivanje preparata SYNCROPART i FOLLIGON u sinhronizaciji ILE DE FRANCE šilježica prilikom laparoskopskog ili cervikalnog veštačkog osemenjavanja = **Comparative investigation of SYNCHROPART and FOLLIGON in synchronization of ILE DE FRANCE ewe hogget prior to laparoscopic or cervical artificial insemination**. Zbornik kratkih sadržaja, 24. godišnje savetovanje doktora veterinarske medicine Republike Srpske (Bosna i Hercegovina) međunarodni naučni skup, Bijeljina, Etno selo Stanišići, 12-15. juna 2019, urednik Drago Nedić, Banja Luka, Veterinarska komora Republike Srpske, 2019, 165-168, ISBN 978-99955-770-6-3 (srp), M64 0,2, TR31071
62. Urošević Miroslav, Vakanjac Slobodanka, Mirilović Milorad, **Milovanović Aleksandar**, Filipović Nataša, Čengić Benjamin: Značaj uticaja spoljašnje temperature na osnovne parametre nativne sperme bikova i kvalitet semena nakon otapanja = **Ambiental temperature significance for basic native bulls ejaculate parameters and quality of thawed semen**. Zbornik predavanja, 6. Naučni simpozijum Reprodukcijska domaćih životinja i bolesti mlečne žlezde, Divčibare, 08-11. oktobar 2015, odgovorni urednik Miodrag Lazaravić, Beograd, Fakultet veterinarske medicine, 2015, str.167-168, ISBN 978-86-81043-93-6 (srp), M64 0,2, UDK 636.2:612.61
63. Urošević M., Trailović D., **Milovanović A.**, Čengić B., Stojanac N.: **The U.S. Census Bureau: Are We Closer or Further Away From the U.S.?** Zbornik predavanja. Sedmo regionalno savetovanje Uzgoj, reprodukcija i zdravstvena zaštita konja, Požarevac 31.08. - 01.09.2017., Izdavač: Univerzitet u Beogradu, Fakultet veterinarske medicine, Urednik: Prof. dr Dragiša Trailović, Organizatori: Univerzitet u Beogradu, Fakultet veterinarske medicine u saradnji sa Veterinarskim specijalističkim institutom Požarevac, Srpskim veterinarskim društvom, Veterinarskom komorom Srbije, Savezom za konjički sport, olimpijske i FEI discipline Srbije, Konjičkim savezom Srbije i Ergelom „Ljubičevo“, 2017, 24, M64 0,2
64. Žekić-Stošić Marina, Ratajac Radomir, Barna Tomislav, Apić Jelena, Savić Sara, **Milovanović Aleksandar**, Lazarević Miodrag: Uticaj etarskog ulja Thymus vulgaris na funkcionalnu aktivnost neutrofilnih granulocita krvi krava u peripartalnom periodu u uslovima in vitro = **In vitro influence of Thymus vulgaris essential oil on the functional activity of bovine neutrophil granulocytes during peripartal period**. Zbornik predavanja, 10. naučni simpozijum 'Reprodukcija domaćih životinja i bolesti mlečne žlezde', 10-13.10.2019., Divčibare, editor in chief prof. dr Miodrag Lazarević, Organizator Fakultet veterinarske medicine Univerziteta u Beogradu, 2019, str. 263-265, ISBN 978-86-80446-28-8 (srbeng), M64 0,2, UDK 612.017+57.085+547.913+635.71:005.642.6+591.111.1+599.735.5+618.6, TR31071

## Technical solutions (M80)

### M82

65. Stojanov I., **Milovanović A.**, Ružić-Muslić D., Ratajac R., Živkov Baloš M., Maksimović N., Apić J.: **A new technological procedure for the treatment of infections of the reproductive tract of cows using EDTA-tris and chlorhexidine**. Institut za stočarstvo – Zemun, 2016; M82 6,0; TR31084

### M84

66. Ratajac Radomir, **Milovanović Aleksandar**, Stojanov Igor, Petrović Jelena, Živkov-Baloš Milica, Žekić-Stošić Marina: **Herbavet - genital a.s., (gynoherbavet) medicinal substance for intrauterine preparations** ad us.vet.(Satureja montana L.- Aetheroleum Saturejae). Novi Sad, Naučni institut za veterinarstvo, 2014. M84 3,0

## M85

67. Petrović Tamaš, Lazić Sava, Lupulović Diana, Bugarski Dejan, Lazić Gospava, Savić Sara, **Milovanović Aleksandar: Molecular diagnostic method: reverse transcription polymerase chain reaction (RT-PCR technique) for the detection of the genome of bovine viral diarrhoea virus.** Novi Sad, Naučni institut za veterinarstvo, 2014. M85 2,0

## Patents (M90):

68. **Milovanović A., Mašić A., Bošnjakov R.,** Pisano delo o veterinarskoj metodi i veterinarskom pomagalu pod nazivom: „**Manufacture of a catheter for the sampling of uterine exfoliate for bacteriological examination and cytomorphological examination at the time of insemination (CYTO-PRINT AI) production of a catheter for the sampling of uterine exfoliate for "CYTO-PRINT AI":** small patent document: number 1278U. Belgrade, Intellectual Property Office, 2019. M 92=8,0