

Bizelis Iosif

Assistant Professor of Department of Animal Breeding and Genetics  
of Agricultural University of Athens  
Studies

Graduate:

- 1) National and Kapodistrian University of Athens \ Department of Chemistry (1977)
- 2) Agricultural University of Athens. Animal Science. (1983)

PhD: PUBERTY ATTAINMENT AND CHARACTERISTICS OF  
FIRST BREEDING SEASON IN EWE LAMBS OF CHIOS AND  
KARAGOUNIKI BREEDS RAISED ON TWO PLANES OF  
NUTRITION

Research interest :

Physiology of productive traits in farm animals, Domestic animal  
ethology, Gene technology, Animal farming

Publications:

- 1) J. A. BIZELIS, S.G. DELIGEORGIS and E. ROGDAKIS (1990). Puberty attainment and reproductive characteristics in ewe lambs of Chios and Karagouniki breed on two planes of nutrition. *Animal Reproduction Science*, 23: 197-212.
- 2) G. ZOGRAFOS, P. KARAYANNAKOS, D. PERREA, I. DONTA, J. BIZELIS, C. LIAPIS, J. GOGAS, M. SECHAS and G. SKALKEAS (1992). The effect of psychotropic drugs on the development and extent of experimental atherosclerotic lesions. *Acta Chir. Hellen.* 64 : 394-399.
- 3) I. BIZELIS, M. CHARISMIADOU and E. ROGDAKIS (1993). The effect of number of foetuses on mammary gland in sheep. *Animal Science Review*, 17: 21 - 38.
- 4) E. ROGDAKIS, A. KOMINAKIS and I. BIZELIS (1993). Genetic and economic optimization of breeding plans in the population of

Karagouniko sheep. I. Methods and assumptions. *Animal Science Review*, 17: 5 - 20.

5) E. ROGDAKIS, I. BIZELIS, A. KOMINAKIS, D. PAPAVALIIOU, M. MALIAPPIS and F. GEORGANTOPOULOU (1994). Ultrasonic fat and muscle depth measurements in pig: Repeatability and implementation in the selection process. *Animal Science Review*, 19: 5 - 19.

6) J. BIZELIS, S. DELIGEORGIS and E. ROGDAKIS (1994). Energy consumption effects during early pregnancy on embryo survival and serum progesterone and oestradiol concentrations. *Animal Science Review*, 20: 39 - 53.

7) G. ZOGRAFOS, P. KARAYANNAKOS, D. PERREA, I. DONTA, G. PAPASTRATIS, J. BIZELIS, J. GOGAS and M. SECHAS (1994). The effect of Diazepam on the extent of atherosclerotic lesions. *Surg. Res. Comm.* 16: 151-156.

8) E. ROGDAKIS, M. CHARISMIADOU, S. ORPHANOS, E. PANOPOULOU and I. BIZELIS (1997). Cellularity and enzymatic activity of adipose tissue in the Karagouniko dairy breed of sheep from birth to maturity. *J. Anim. Breed. Genet.* 114, 385-396.

9) D. PAPAVALIIOU, I. BIZELIS, G. LASKARIDIS and E. ROGDAKIS (1998). Morphological, reproductive and productive characteristics of Lesvos sheep breed. *Animal Science Review*, 25, 29 – 43.

10) M. CHARISMIADOU, J. BIZELIS and E. ROGDAKIS (1999). The effect of plane of nutrition during pregnancy of Greek dairy ewes on the development of mammary gland and on subsequent milk production. In «Milking and milk production of dairy sheep and goats». Ed. Barrilet F and Zervas N.P., EAAP Publication No 95, 295 – 297, Wageningen Pers.

11) S. DELIGEORGIS and J. BIZELIS (1999). Effect of early weaning system on milk production and the pre and post weaning behaviour in Karagouniko sheep and their lambs. In «Milking and milk production of

dairy sheep and goats». Ed. Barrilet F and Zervas N.P., EAAP Publication No 95, 298 – 301, Wageningen Pers.

12) S. DELIGEORGIS, J. BIZELIS and H. SIOZOS (1999). Ewe adaptation to mechanical milking procedures in Karagouniko breed. In «Milking and milk production of dairy sheep and goats». Ed. Barrilet F and Zervas N.P., EAAP Publication No 95, 302 – 305, Wageningen Pers.

13) GOURGOULIS, M., BIZELIS, I., PANOPOULOU, E. & ROGDAKIS, E. (1999). Genetic structure of indigenous goat populations of Greece: gene frequencies. *Animal Science Review*, 26, 5-24.

14) BIZELIS, I., KOMINAKIS, A., ROGDAKIS, E. and GEORGADOPOULOU, F. (2000). Genetic parameters of production and reproductive traits in on a farm tested Danish Large White and Landrace swine in Greece. *Archives of Animal Breeding*, 43, 287 - 297.

15) CHARISMIADOU, M., BIZELIS, I. and ROGDAKIS, E. (2000). Metabolic changes during the perinatal period in dairy sheep in relation to plane of nutrition and breed. I. Late pregnancy. *Journal of Animal Physiology and Animal Nutrition*, 84, 61-72.

16) BIZELIS, I., CHARISMIADOU, M. and ROGDAKIS, E. (2000). Metabolic changes during the perinatal period in dairy sheep in relation to plane of nutrition and breed. II. Early lactation. *Journal of Animal Physiology and Animal Nutrition*, 84, 73-84.

17) BIZELIS, I., GEORGANTOPOULOU, F. και ROGDAKIS, E. (2001). Reproductive characteristics of Landrace and Large White sows in a greek intensive farm. *Animal Science Review* 28, 85-106.

18) S. KINTZIOS, E. PISTOLA, P. PANAGIOTOPOULOS, M. BOMSEL, N. ALEXANDROPOULOS, F. BEM, G. ECONOMOU, I. BIZELIS, R. LEVIN, (2001). Bioelectric recognition assay (BERA). *Biosensors & Bioelectronics*, 16, 325 - 336.

19) S. KINTZIOS, E. PISTOLA, J. KONSTAS, F. BEM, Th. MATAKIADIS, N. ALEXANDROPOULOS, I. BISELIS, R. LEVIN, (2001). The application of the bioelectric recognition assay for the detection of human and plant viruses: definition of operational parameters. *Biosensors & Bioelectronics*, 16, 467 - 480.

20) POLITIS I., BIZELIS I. and ROGDAKIS E. (2002). The urokinase-plasminogen activator system in ovine macrophages and neutrophils. *Small Ruminant Research* 44, 17-23.

21) KOUTSOULI, P., BIZELIS, I., PANOPOULOU, E. και E. ROGDAKIS (2002). Genetic structure of greek sheep breeds: I. Gene frequencies. *Animal Science Review* 30, 3-14.

22) I. POLITIS., A. VOUDOURI, I. BIZELIS and ZERVAS G. (2003). The effect of various vitamin E derivatives on the urokinase-plasminogen activator system of ovine macrophages and neutrophils. *British Journal of Nutrition* 89, 259-265.

23) TSOLAKIDI K., BIZELIS, I. και ROGDAKIS E. (2004). Quality characteristics of pig meat produced by an intensive farm. *Animal Science Review* 32, 29-41.

24) G. STEFOS, A. ARGYROKASTRITIS, I. BIZELIS, G. MOATSOU, E. ANIFANTAKIS and E. ROGDAKIS (2004). Detection of bovine mitochondrial DNA specific sequences in Feta cheese and ovine yogurt by PCR-RFLP. *Milk Science International*, 6, 509 – 511.

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26) P. E. SIMITZIS, K. FEGGEROS, J.A.. BIZELIS, S. G. DELIGEORGIS (2005). Behavioural reaction to essential oils dietary

supplementation in sheep. *Biotechnology in Animal Husbandry* 21 (5-6), 97 – 103.

27) P. SIMITZIS, S. DELIGEORGIS and I. BIZELIS (2006). Effect of breed and age on sexual behaviour of rams. *Theriogenology*, 65, 1480 – 1491.

28) G. LALLOTIS, A. ARGYROKASTRITIS, I. BIZELIS. and E. ROGDAKIS (2007). Cloning and characterization of an alternative transcript of ovine glucose 6-phosphate dehydrogenase gene: comparative approach between ruminant and non-ruminant species. *Gene* 388, 93 – 101.

29) BIZELIS J., KOUTSOULI P. AND E. ROGDAKIS (2007): Genetic structure of semi-fat tailed Greek sheep breeds: I. Gene frequencies, genetic variation and F-statistics. *Animal Science Review* 36, 55 - 69.

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31) G. P. LALLOTIS, I. BIZELIS, A. ARGYROKASTRITIS,. and E. ROGDAKIS (2007). Cloning, characterization and computational analysis of the 5' regulatory region of ovine glucose 6-phosphate dehydrogenase gene. *Comparative Biochemistry and Physiology, Part B* 147, 627 – 634.

32) P. SIMITZIS, I. BIZELIS, K. FEGGEROS and S. DELIGEORGIS (2007). Effect of dietary oregano essential oil supplementation on sheep milk characteristics. *Animal Science Review*. 37, 69 - 78.

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34) A. LAMPIDONIS, A. ARGYROKASTRITIS, D. STRAVOPODIS, G. VOUTSINAS, T. NTOUROUPI, L. MARGARITIS, I. BIZELIS & E. ROGDAKIS (2008) Cloning and functional characterization of the ovine Hormone Sensitive Lipase (HSL) full-length cDNAs: An integrated approach. *Gene*, 416, 30 – 43.

35) P. SIMITZIS, S. DELIGEORGIS, J. BIZELIS, K. FEGGEROS (2008) Feeding preferences in lambs influenced by prenatal flavour exposure *Physiology & Behavior* 93 (2008) 529–536

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37) D. PAPAVALSILEIOU, A. LAMPIDONIS, G. MAGLARAS & I. BIZELIS (2008). The implementation of restriction fragment length polymorphism (RFLP) technique on the identification of ‘T’ mutation in pig. *Animal Science Review* 38, 65 – 74.

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40) A. LAMPIDONIS, D. STRAVOPODIS, G. VOUTSINAS, N. MESSINI - NIKOLAKI, G. STEFOS, L. MARGARITIS, A. ARGYROKASTRITIS, I. BIZELIS & E. ROGDAKIS (2008) Cloning and functional characterization of the 5’ regulatory region of ovine Hormone Sensitive Lipase (HSL) gene. *Gene*, 427, 65 – 79.

41) G. SYMEON, C. ZINTILAS, A. AYOUTANTI, J. BIZELIS & DELIGEORGIS (2009). Effect of dietary oregano essential oil supplementation for an extensive fattening period on growth performance and breast meat quality of female medium-growing broilers. *Canadian Journal of Animal Science*, 89, 331 – 334.

42) P. SIMITZIS, J. BIZELIS, S. DELIGEORGIS & K. FEGEROS (2009). Effect of peri-weaning dietary experience with oregano essential oil on the development of feeding preferences in lambs of Chios and Karagouniko breed at the age of 3, 5, 7, 9 and 11 months old. *Animal Science Review* 39: 23-40.

43) G. THEODOROU, I. BIZELIS, E. ROGDAKIS & I. POLITIS (2009). The ovine urokinase plasminogen activator and its receptor cDNAs: molecular cloning, characterization and expression in various tissues. *Gene*, 443, 158 – 169.

44) P. SIMITZIS, G. SYMEON, M. CHARISMIADOU, J. BIZELIS, & S. DELIGEORGIS (2009). The effects of dietary oregano oil supplementation on pig meat characteristics. *Meat Science* 84, 670 - 676.

45) S. TRIVIZAKI, G. LALLOTIS, I. BIZELIS, M. CHARISMIADOU & E. ROGDAKIS (2010). Enzymatic and mRNA transcript response of ovine 6 – Phosphogluconate dehydrogenase (6PGD) in respect to different milk yield . *Biochemistry Research International*, 2010, 1 – 5.

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level to the main regulatory lipogenic genes. *Current Genomics*, 11, 168 - 183.

48) G. SYMEON, C. ZINTILAS, N. DEMIRIS, I. BIZELIS & S. DELIGEORGIS (2010). Effects of oregano essential oil dietary supplementation on the feeding and drinking behaviour as well as the activity of broilers. *International Journal of Poultry Science*, 9 (4), 401 – 405.

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51) G. THEODOROU, A. D. LAMPIDONIS, G. P. LALLOTIS, I. BIZELIS & I. POLITIS (2011). Expression of plasminogen activator-related genes in the adipose tissue of lactating dairy sheep in the early post-weaning period. *Journal of Animal Physiology and Animal Nutrition* (doi: 10.1111/j.1439-0396.2011.01154.x.).

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