

Curriculum vitae

Dr Georgios Michailidis

Professor

Laboratory of Physiology of Reproduction of Farm Animals

Department of Animal Production

School of Agriculture

Aristotle University of Thessaloniki

54124 Thessaloniki, Greece

Email: michageo@agro.auth.gr, Tel: +302310991712

Degrees:

2000 **BSc** Agriculture, Animal Production, Aristotle University of Thessaloniki, Greece

2004 **PhD**, School of Cell and Molecular Biosciences, Faculty of Medical Sciences, University of Newcastle upon Tyne, U.K.

Posts held:

2005 – 2007 Postdoctoral researcher, Institute of Agrobiotechnology, CERTH, Greece

2005 – 2007 Research Associate, Technological Educational Institute, Department of Animal Production, Greece

2007 – 2012 Lecturer, School of Agriculture, Department of Animal Production, Aristotle University of Thessaloniki, Greece

2012 – 2018 Assistant Professor, School of Agriculture, Department of Animal Production, Aristotle University of Thessaloniki, Greece

2018 – 2024 Associate Professor, School of Agriculture, Department of Animal Production, Aristotle University of Thessaloniki, Greece

2024 – date Full Professor, School of Agriculture, Department of Animal Production, Aristotle University of Thessaloniki, Greece

Publications:

1. **Michailidis, G.**, 2004. Expression of Telomerase in Avian Cells. Ph.D Thesis, School of Cell and Molecular Biosciences, Faculty of Medical Sciences, University of Newcastle Upon Tyne, UK, p. 210.
2. C.L. Townes, **G. Michailidis**, C.J. Nile, and J. Hall, 2004. Induction of Cationic Liver-Expressed Antimicrobial Peptide 2 in Response to *Salmonella enterica* Infection. *Infection and Immunity*, 72, No 12: 6987-6993.
(IF=4,033)
3. C. J Nile, C.L. Townes, **G. Michailidis**, B.H. Hirst and J. Hall, 2004. Identification of chicken lysozyme g2 and its expression in the intestine. *Cellular and Molecular Life Sciences*, 61: 2760-2766.
(IF=5,808).
4. **G. Michailidis**, G. Saretzki and J. Hall, 2005. Endogenous and Ectopic Expression of Telomere Regulating Genes in Chicken Embryonic Fibroblasts. *Biochemical and Biophysical Research Communications*, 335: 240-246.
(IF=2,836).
5. **Michailidis G.**, Avdi M., Pappa V., 2008. Reproductive performance and investigation of *BMPR-1B* and *BMP-15* gene mutations in Greek Chios and Florina sheep breeds. *Archiva Zootechnica*, 11 (1): 24-31.
6. **G. Michailidis**, A. Argiriou, A. Kalivas, M. Avdi, G. Pendavinji, V. Pappa, 2008. Expression of Avian β -Defensins in the chicken (*Gallus domesticus*) reproductive tract. *Archiva Zootechnica*, 11 (3): 33-40.
7. Argiriou A., **Michailidis G.**, Tsiftaris A, 2008. Characterization and expression analysis of TERMINAL FLOWER1 homologs from cultivated allotetraploid

cotton (*Gossypium hirsutum*) and its diploid progenitors. *Journal of Plant Physiology*, 165: 1636-1646.
(IF=3,121)

8. **Michailidis G.**, Argiriou A., Darzentas N., Tsaftaris A., 2009. Analysis of xyloglucan endotransglycosylase/hydrolase (XTH) genes from allotetraploid (*Gossypium hirsutum*) cotton and its diploid progenitors expressed during fiber elongation. *Journal of Plant Physiology*, 166: 403-416.

(IF=3,121)

9. **G. Michailidis**, A. Kalivas, M. Avdi and A. Argiriou, 2009. Expression and characterisation of the maternal factor Zygote Arrest 1 (ZAR1) gene in chicken tissues and embryos. *Journal of Biological Research*, 11: 21-27.

(IF=1,2)

10. **G. Michailidis**, A. Argiriou, M. Avdi, 2009. Changes in the expression of antimicrobial peptides Gallinacin 4 and 5 during growth and in response to Salmonella infection in the ovary and oviduct of laying hens. *Comptes rendus de l'Academie bulgare des Sciences*, 62 (5): 609-614.

(IF= 0,325)

11. Claire L. Townes, **Georgios Michailidis**, Judith Hall, 2009. The interaction of the antimicrobial peptide cLEAP-2 and the bacterial membrane. *Biochemical and Biophysical Research Communications*, 387: 500-503.

(IF=2,648)

12. **G. Michailidis** and M. Avdi, 2010. Transcriptional profiling of gallinacins antimicrobial peptides in the chicken reproductive tract and embryos. *Journal of Biological Research*, 14: 211-218.

(IF=1,2)

13. **G. Michailidis**, 2010. Expression of chicken LEAP-2 in the reproductive organs and embryos and in response to *Salmonella enterica* infection. *Veterinary Research Communications*. 34(5): 459-471.
(IF=1,696)

14. **G. Michailidis**, A. Argiriou, M. Avdi, 2010. Expression of chicken zygote arrest 1 (Zar1) and Zar1-like genes during sexual maturation and embryogenesis. *Veterinary Research Communications*, 34:173-184.
(IF=1,696)

15. A. Howard, C. L. Townes, P. Milona, C. J. Nile, **G. Michailidis**, J. Hall, 2010. Expression and Functional Analyses of Liver Expressed Antimicrobial Peptide-2 (LEAP-2) Variant Forms in Human Tissues. *Cellular Immunology*, 261: 128-133.
(IF=3,172)

16. **G. Michailidis**, A. Theodoridis, M. Avdi, 2010. Transcriptional profiling of Toll-like receptors in chicken embryos and in the ovary during sexual maturation and in response to *Salmonella enteritidis* infection. *Animal Reproduction Science*, 122: 294-302.
(IF=1,897)

17. G. Oikonomou, **G. Michailidis**, A. Kougioumtzis, M. Avdi, G. Banos, 2011. Effect of Polymorphisms in the *STAT5A* and *FGF2* Genes on Reproduction, Milk Yield and Lameness of Holstein Cows. *Research in Veterinary Science*, 91: 235-239.
(IF=1,345)

18. **G. Michailidis**, A. Theodoridis, M. Avdi, 2011. Effects of sexual maturation and *Salmonella* infection on the expression of Toll-like receptors in the chicken vagina. *Animal Reproduction Science*, 123: 234-241.
(IF=1,897)

19. M. Anastasiadou, A. Theodoridis, M. Avdi, **G. Michailidis**, 2011. Changes in the expression of Toll-like receptors in the chicken testis during sexual maturation and *Salmonella* infection. *Animal Reproduction Science*, 128: 93-99.
(IF=1,897)
20. Argiriou A., Kalivas A., **Michailidis G.**, Tsaftaris A, 2012. Characterization of PROFILIN genes from allotetraploid (*Gossypium hirsutum*) cotton and its diploid progenitors and expression analysis in cotton genotypes differing in fiber characteristics. *Molecular Biology Reports*, 39: 3523-3532.
(IF=1,875)
21. **G. Michailidis**, M. Avdi, A. Argiriou, 2012. Transcriptional profiling of antimicrobial peptides avian β -defensins in the chicken ovary during sexual maturation and in response to *Salmonella enteritidis* infection. *Research in Veterinary Science*, 92: 60-65.
(IF=1,345)
22. Anastasiadou M, M Avdi, **G Michailidis**, 2013. "Expression of avian β -defensins and Toll-like receptors in the rooster epididymis during growth and *Salmonella* infection". *Animal Reproduction Science*, 140: 224-231.
(IF=1,897)
23. Michailidou S, Kalivas A, Ganopoulos I, Stea E, **Michailidis G**, Tsaftaris A, Argiriou A, 2014. A multi-farm assessment of Greek black pig genetic diversity using microsatellite molecular markers. *Genetics and Molecular Research*, 13 (2): 2752-2765.
(IF=1,184)
24. Anastasiadou M, M Avdi, A Theodoridis, **G Michailidis**, 2013. "Temporal changes in the expression of avian β -defensins in the chicken vagina during

growth and *Salmonella* infection”, *Veterinary Research Communications*, 37: 115-122.

(IF=1,696)

25. Marantidis A., A. Papadopoulos, **G. Michailidis** and M. Avdi, 2013. Association of BF gene polymorphism with litter size in a commercial pig cross population. *Animal Reproduction Science*, 141:75-79.

(IF=1,897)

26. Anastasiadou M, A Theodoridis, **G Michailidis**, 2014. “Effects of sexual maturation and *Salmonella* infection on the expression of avian β -defensin genes in the chicken testis”, *Veterinary Research Communications*, 38:107-113.

(IF=1,696)

27. Marantidis A., Laliotis G, **G. Michailidis** and M. Avdi, 2015. Study of Toll-like receptor and β -defensins genes expression pattern in porcine reproductive organs. *Animal Biotechnology*, 26: 188-193.

(IF=0,882)

28. **Michailidis G**, Anastasiadou M, Guibert E, Froment P, 2014. Activation of innate immune system in response to lipopolysaccharide in chicken Sertoli cells". *Reproduction*, 148: 259-270.

(IF=3,555)

29. Chadio S., Katsafadou A., Kotsampasi B., **Michailidis G.**, Mountzouris K., Kalogiannis D., Christodoulou V., 2016. "Effects of maternal undernutrition during late gestation and/or lactation on colostrum synthesis and immunological parameters in the offspring". *Reproduction, Fertility and Development*, 28(3): 384-393.

(IF=2,656)

30. Anastasiadou M, **G Michailidis**, 2016. "Transcriptional changes of cytokines in rooster testis and epididymis during sexual maturation stages and Salmonella infection". *Animal Reproduction Science*, 171: 41-48.
(IF=1,897)
31. Anastasiadou M. and **G. Michailidis**, 2016. "Cytokine activation during embryonic development and in hen ovary and vagina during reproductive age and Salmonella infection". *Research in Veterinary Science*, 109: 86–93.
(IF=1,892)
32. Anastasiadou M., **Michailidis G.**, 2018 Production of female pigs by embryo sexing using the porcine amelogenin gene. *Advances in Animal Biosciences*, 9: S1.
(IF=0,3)
33. Anastasiadou M., Theodoridis A., **Michailidis G.**, 2017. Investigation of polymorphisms in MC4R and GPX5 genes in Greek pigs CEUR Workshop Proceedings, 2030: 477-481.
(IF=0,6)
34. Karaïskou C., Kasapidou E., **Michailidis G.**, Markantonatos X., Basdagianni Z., 2021. Effect of dietary milk thistle (*Silybum marianum* L.) oil supplementation on animal performance and milk fatty acid composition in dairy ewes. *Small Ruminant Research*, 203 (2021), 106493.
(IF:1.893).
35. Gkiorsos V., **Michailidis G.**, Anastasiadou M., Giannenas I., 2022. Effects of fumonisin and Salmonella infection in the expression of Toll-like receptors in chicken ovary. *Journal of the Hellenic Veterinary Medical Society*, 73(3): 4477-4484. doi: 10.12681/jhvms.27476
(IF=0,516)

36. Giannenas I., Vasilopoulos S., Dokou S., Papagrigoriou T., Ganguly B., Savvidou S., Symeon G., **Michailidis G.**, Lazari D., 2022. Effects of dietary supplementation with herbal extract as methionine replacer on growth performance, meat composition, oxidative stability and liver gene expression in broiler chickens. *Archiva Zootechnica* 25:2: 39-62. DOI: [10.2478/azibna-2022-0013](https://doi.org/10.2478/azibna-2022-0013)
(IF=0,4)
37. **G. Michailidis**, I. Giannenas, 2024. Stimulation of inflammatory response in chicken Sertoli cells following metformin exposure. *Journal of the Hellenic Veterinary Medical Society*, 75(1): 6999-7006. DOI: [10.12681/jhvms.33979](https://doi.org/10.12681/jhvms.33979)
(IF=0,516)
38. D. Karatosidi, E. Avgeris, **G. Michailidis**, 2024. Identification of genetic polymorphisms in MC4R and GPX5 genes in the autochthonous Greek black pig breed. *Journal of the Hellenic Veterinary Medical Society*, Vol. 75(1), pp. 7045–7050 DOI: [10.12681/jhvms.34029](https://doi.org/10.12681/jhvms.34029)
(IF=0,516)
39. Dokou S., Bitchava K., Stylianaki I., Chantzi P., Efstathiou A., Vasilopoulou K., Tsoumani M., Gouva E., **Michailidis G.**, Prafulla K., Karagouni E., Giannenas I., 2023. Nano-oregano essential oil improves rainbow trout's (*Oncorhynchus Mykiss*) growth performance, oxidative status, fatty acid profile of fillet, affects gene expression and supports skin and intestinal histomorphometry. *Annals of Animal Science*, 23(4): 1177-1189, DOI: [10.2478/aoas-2023-0032](https://doi.org/10.2478/aoas-2023-0032).
(IF=2,667)
40. Savvidou S., Panteli N., Dotas V., Symeon G., Galamatis D., Panitsidis I., Voutsinou E., Tatidou C., Kumar P., Antonopoulou E, **Michailidis G.**, Ilias Giannenas I., 2023. Dietary Supplementation with Pomegranate and Onion Affects Lipid and Protein Oxidation in the Breast Meat, Thigh, and Liver, Cellular Stress Protein Responses, and Gene Expression of Liver Enzymes

Involved in Protein Synthesis in Broilers, *Foods* 2023, 12, 3870, DOI: 10.3390/foods12203870.

(IF=5,1)

41. Chantzi P., Vasilopoulou K., Panitsidis I., Bitchava K., Efstathiou A, Dokou S., Stylianaki I., Tsoumani M., Gouva E., **Michailidis G.**, Karagouni E., Pastor A., Wall S.C., Giannenas I., 2024. Effect of isoquinoline alkaloids (IQs) on rainbow trout performance, serum parameters, antioxidant status, fillet fatty acid profile, intestinal and skin histomorphometry and expression of growth hormones genes, *Aquaculture Reports* 36 (2024) 102173. DOI: 10.1016/j.aqrep.2024.102173.

(IF=3,7)

42. Papadopoulos G.A., Galamatis D., Mellidou I., Stylianaki I., Mantzios T., Sakkas P., Makri V., Savvidou S., Tsiouris V., Symeon G., **Michailidis G.**, Giannenas I., 2025. Diet addition with pomegranate and onion extract, either in an aqueous or cyclodextrin-encapsulated form, alters intestinal microbiota, morphometry, and tight junction gene expression in broilers. *Annals of Animal Science*, DOI: 10.2478/aoas-2025-0040.

(IF=2,2)

43. Karatosidi D., Symeon G., **Michailidis G.**, Avgeris E., Tarricone S., Giannico F., Colonna M.A., 2025. Meat quality in autochthonous Mediterranean pig breeds reared in organic production systems. *Front. Anim. Sci.* 6:1656623. doi: 10.3389/fanim.2025.1656623.

(IF=2,4)

44. Tsokanta P.E., Avgeris E., **Michailidis G.**, 2025. Investigation of Gene Polymorphisms in FGF2 and STAT5A Genes in the Greek Red Cow Breed. *Proceedings*, 117(1), 31. DOI: 10.3390/proceedings2025117031.

(IF=0,250)

Conference proceedings publications

1. Παππά Β., Αυδή Μ., **Μιχαηλίδης Γ.**, Παμπουκίδου Α. και Δ. Τριανταφυλλίδης, 2000. Συγκριτική μελέτη ορισμένων αναπαραγωγικών ιδιοτήτων των φυλών προβάτων Χίου, Καραγκούνικης και Φλωρίνης. *Επιθεώρηση Ζωοτεχνικής Επιστήμης*, 27: 27-36.
2. **Μιχαηλίδης Γ.**, Παππά Β., Τριανταφυλλίδη Δ. και Μ. Αυδή, 2005. Συγκριτική μελέτη ορισμένων αναπαραγωγικών χαρακτηριστικών των αμνάδων φυλών Χίου, Καραγκούνικης και Φλωρίνης. *Επιθεώρηση Ζωοτεχνικής Επιστήμης*, 33: 53-69.
3. **Μιχαηλίδης Γ.**, Αυδή Μ., Παππά Β., 2008. Διερεύνηση των γονιδίων *FecB* και *FecX'* στις φυλές προβάτων Χίου και Φλωρίνης. *Επιθεώρηση Ζωοτεχνικής Επιστήμης*, 38: 3-11.
4. **Μιχαηλίδης Γ.**, Αυδή Μ., Mero G., Παππά Β., 2009. Έκφραση των αντιμικροβιακών πεπτιδίων Gallinacins και Fowlicidins κατά την εμβρυογένεση και στο αναπαραγωγικό σύστημα αρσενικών και θηλυκών ορνιθίων. *Επιθεώρηση Ζωοτεχνικής Επιστήμης*, 39: 89-99.
5. **Michailidis G.**, Hall J. *In vitro* culture and immortalization of avian embryonic cell lines. Physiology Society, Annual Meeting, Durham UK, 20-21/9/2002.
6. **G. Michailidis**, C.J. Nile, C. Townes, B. Brown, and J. Hall. Immortalisation of avian cells by ectopic expression of telomerase. Poultry Science Association. 92nd Annual Meeting, 6-9/7/2003, Madison, U.S.A.

7. C. J Nile, C. Townes, **G. Michailidis**, B.H. Hirst, and J. Hall. Avian intestinal antimicrobial peptides. Poultry Science Association. 92nd Annual Meeting, 6-9/7/2003, Madison, U.S.A.
8. Townes Claire L, Nile Christopher J, **Michailidis Georgios**, Hirst Barry H, Hall Judith. Lysozyme expression and synthesis in the avian gastrointestinal tract. Physiological Society Meeting, July 2004, Newcastle, UK.
9. Β.Παππά, **Γ. Μιχαηλίδης**. Η Βιοηθική στη Γεωργία. 1^ο Συνέδριο Τεχνολογίας Ζωικής Παραγωγής. 3-4 Ιουνίου 2005, Άρτα.
10. Argiriou A., **Michailidis G.**, Alexiou K., Tsaftaris A., Isolation and characterization of Centroradialis/Terminal Flower 1 homologs from cotton. 5th Plant Genomics European Meeting, 11-14/10/2006, Venice, Italy.
11. **Michailidis G.**, Avdi M., Pappa V. Study of some reproductive traits and investigation of the Booroola (*FecB*) and Inverdale (*FecX'*) mutations in two Greek sheep breeds. 6th International Symposium of Animal Biology and Nutrition, 27-28/9/2007, Balotesti, Romania.
12. **G. Michailidis**, M. Avdi, and J. Hall. Telomere shortening induced senescence of primary cultures of chicken embryonic pancreatic cells. 1st Mediterranean Poultry Summit of World's Poultry Science Association (WPSA), 7-10/5/2008, Chalkidiki, Greece.
13. **G. Michailidis**, A. Argiriou, J. Hall, and M. Avdi. Isolation and Characterisation of the Maternal Factor Zygote Arrest 1 (*Zar1*) gene in Chicken. 1st Mediterranean Poultry Summit of World's Poultry Science Association (WPSA), 7-10/5/2008, Chalkidiki, Greece.
14. **G. Michailidis**, A. Argiriou, A. Kalivas, M. Avdi and V. Pappa. Expression of Avian β -Defensins in the chicken (*Gallus domesticus*) reproductive tract. 7th

International Symposium of Animal Biology and Nutrition, 25-26/9/2008, Bucharest, Romania.

15. **G. Michailidis**, Anagnostis Argiriou, M. Avdi. Changes in the expression of antimicrobial peptides Gallinacins 4 and 5 during growth and in response to *Salmonella* infection in the ovary and oviduct of laying hens. 1st Conference of the Balkan Network for the Animal Reproduction Biotechnology, 18-19/2/2009, Sofia, Bulgaria.
16. **G. Michailidis**, A. Argiriou and M. Avdi. Effects of age and *Salmonella* infection on the expression of avian beta-defensin 12 in the ovary and oviduct of laying hens. 13th Conference of the European Society of Domestic Animal Reproduction (ESDAR), 9-12/9/2009, Ghent, Belgium.
17. **G. Michailidis**, A. Argiriou and M. Avdi. Expression analysis of zygote arrest 1 (ZAR1) and ZAR1-like genes in the chicken reproductive tract and embryos. 13th Conference of the European Society of Domestic Animal Reproduction (ESDAR), 9-12/9/2009, Ghent, Belgium.
18. Michailidou S., Oikonomou G., **Michailidis G.**, Avdi M., Banos G. Association of STAT5A and FGF2 gene mutations with conception rate in dairy cattle. European Federation for Animal Science (EAAP) Annual Meeting, 23-27/8/2010, Heraklion, Greece.
19. Pavlou L., **Michailidis G.**, Avdi M. Seasonal variation of semen characteristics in Damascus buck goats. European Federation for Animal Science (EAAP) Annual Meeting, 23-27/8/2010, Heraklion, Greece.
20. **Michailidis G.** Changes in the Expression of Avian Beta-Defensins during Growth and in Response to *Salmonella* Infection in the Ovary and Oviduct of

Laying Hens. XIIIth European Poultry Conference, 23-27/8/2010, Tours, France.

21. **Michailidis G.** Expression of Toll-like Receptors in the Chicken Reproductive Tract and During Early Embryonic Development. XIIIth European Poultry Conference, 23-27/8/2010, Tours, France.
22. Anastasiadou M., Marantidis A., **Michailidis G.** Effects of Salmonella infection in the expression of Toll-like receptors 4 and 15 in the chicken reproductive organs. 2nd Conference of the Balkan Network for the Animal Reproduction Biotechnology, 24-25/3/2011, Sofia, Bulgaria.
23. Marantidis A., Anastasiadou M., Avdi M., **Michailidis G.** Expression of Toll-like receptors in porcine reproductive organs. 2nd Conference of the Balkan Network for the Animal Reproduction Biotechnology, 24-25/3/2011, Sofia, Bulgaria.
24. Freret S., Avdi M., Barbas J.P., Boissard K., Branca A., Carrizosa J., Cavaco-Goncalves S., Epifani G.P., Fatet A., Grizelj J., Lopez-Sebastian A., Mascarenhas R., **Michailidis G.**, Vince S., Zamfirescu S., Boue P. and M.T. Pellicer. FLOCK-REPROD: Hormone-Free Non-Seasonal or Seasonal or seasonal goat reproduction for a sustainable European goat-milk market. 27th Annual Meeting European Embryo Transfer Association (A.E.T.E.), 9-10/9/2011, Chester, England.
25. M. Anastasiadou, M. Avdi and **G. Michailidis.** Changes in the Expression of Toll-like Receptors in the Chicken Testis During Growth and in Response to *Salmonella* Infection. 15th Conference of the European Society of Domestic Animal Reproduction (ESDAR), 15-18/9/2011, Antalya, Turkey.

26. Pavlou, E., **Michailidis, G.**, Avdi, M. Seasonal Reproductive Activity of Damascus Goats. 15th Conference of the European Society of Domestic Animal Reproduction (ESDAR), 15-18/9/2011, Antalya, Turkey.
27. **G Michailidis** and M Anastasiadou. Effects of Age and *Salmonella* Infection on the Expression of Toll-like Receptors in the Chicken Epididymis. 15th Conference of the European Society of Domestic Animal Reproduction (ESDAR), 15-18/9/2011, Antalya, Turkey.
28. A Marantidis, **G Michailidis**, M Anastasiadou, D. Kalogiannis, M Avdi, S Chadio. Expression of Toll-like receptors in porcine granulosa cells. 15th Conference of the European Society of Domestic Animal Reproduction (ESDAR), 15-18/9/2011, Antalya, Turkey.
29. **G Michailidis**, M Anastasiadou, P Froment. Changes in the expression of Toll-like receptors in response to lipopolysaccharide in chicken Sertoli cells. 16th Conference of the European Society of Domestic Animal Reproduction (ESDAR), 29/8 – 1/9/2012, Dublin, Ireland.
30. M Anastasiadou, M Avdi, **G Michailidis**. Expression of Avian β -Defensins During Growth and in Response to *Salmonella* Infection in the Chicken Testis and Epididymis. 16th Conference of the European Society of Domestic Animal Reproduction (ESDAR), 29/8 – 1/9/2012, Dublin, Ireland.
31. A Marantidis, **G Michailidis**, S Chadio, D Kalogiannis, M Avdi. Effects of lipopolysaccharide on the expression of Toll-like receptors in porcine granulosa cells. 16th Conference of the European Society of Domestic Animal Reproduction (ESDAR), 29/8 – 1/9/2012, Dublin, Ireland.
32. M Avdi, **G Michailidis**. Seasonal reproductive activity and inbreeding in two small Greek Skyros horse populations. 16th Conference of the European

Society of Domestic Animal Reproduction (ESDAR), 29/8 – 1/9/2012, Dublin, Ireland.

33. **G Michailidis**, J Beek, D Maes, M Anastasiadou, A Van Soom. Expression of Toll-like receptors and cytokines in porcine blastocysts stimulated by bacterial lipopolysaccharide. 1st General Meeting of EPICONCEPT, Antalya, Turkey, 24-25/4/2013.
34. Chadio S., Katsafadou A., Kotsampasi B., **Michailidis G.**, Mountzouris K., Kalogiannis D., Christodoulou V. Effects of maternal undernutrition during late gestation and/or lactation on colostrum synthesis and immunological parameters in the offspring. 1st General Meeting of EPICONCEPT, Antalya, Turkey, 24-25/4/2013.
35. A. Marantidis, A. Papadopoulos, **G. Michailidis** and M. Avdi Association of BF gene and litter size in sows. 17th Conference of the European Society of Domestic Animal Reproduction (ESDAR), Bologna, Italy, 11-14/9/2013.
36. Faure Mélanie, Sabine ALVES, Guibert Edith, **G. Michailidis**, M Anastasiadou, Jean-Pierre Brillard, Froment Pascal. Inflammatory response of testis cells amended in the presence of metformin. The 11th Poultry Research Days, JRA, 25-26/3/2015, Tours, France.
37. Faure Mélanie, Alves Sabine, Guibert Edith, **Michailidis Georgios**, Anastasiadou Maria, Brillard Jean-Pierre, Froment Pascal. Inflammatory response of testicular cells is modified by metformin. ReproSciences, 13-15/4/2015, Rennes, France.
38. **G. Michailidis**, M. Anastasiadou and M. Avdi. "Cytokine activation in hen reproductive organs during growth and Salmonella infection". 19th Annual European Society of Domestic Animal Reproduction (ESDAR) Conference

2015 and 26th Annual EU-AI Vets Meeting, 16-19/09/2015, Albena Resort, Varna, Bulgaria.

39. A. Kesidou and **G. Michailidis**. "PCR amplification of porcine amelogenin gene for sex identification". 19th Annual European Society of Domestic Animal Reproduction (ESDAR) Conference 2015 and 26th Annual EU-AI Vets Meeting, 16-19/09/2015, Albena Resort, Varna, Bulgaria.
40. **G. Michailidis**. "Reproductive strategies for conservation of the autochthonous black pig breed in Greece". 19th Annual European Society of Domestic Animal Reproduction (ESDAR) Conference 2015 and 26th Annual EU-AI Vets Meeting, 16-19/09/2015, Albena Resort, Varna, Bulgaria.
41. Anastasiadou M. and **G. Michailidis**. "Cytokine activation in rooster reproductive organs during sexual maturation and Salmonella infection". EPICONCEPT Conference 2015, Epigenetics and Periconception Environment, Hersonissos, Crete, Greece, 06-07/10/2015.
42. Anastasiadou M., **Michailidis G.**, Kalogiannis D. and S. Chadio. "Effects of lipopolysaccharide on the expression of cytokines in porcine granulosa cells". EPICONCEPT Conference 2016, Epigenetics and Periconception Environment, Giardini, Italy, 26-29/09/ 2016.
43. Anastasiadou M., Theodoridis A. and **G. Michailidis**. "Investigation of polymorphisms in MC4R and GPX5 genes in Greek pigs". 8th International Conference on Information and Communication Technologies in Agriculture, Food & Environment, Chania, Greece, 21-24/09/2017.
44. Anastasiadou M., **Michailidis G.** "Production of female pigs by embryo sexing using the porcine amelogenin gene". Innovative Approaches for Pork Production with Entire Males and Immunocastrates, IPEMA, Oeiras, Portugal, 08/02/2018.

45. S. Vasilopoulos, I. Giannenas, E. Bonos, C. Rumbos, S. Savvidou, E. Sidiropoulou, I. Skoufos, A. Tzora, **G. Michailidis** and C. Athanassiou. "Effects of dietary yellow mealworm on meat composition and liver genes' expression of broilers". 72nd Annual Meeting of the European Federation of Animal Science (EAAP), Davow, Switzerland, 30/08 – 03/09/2021.
46. Καρατοσίδη Δ., **Μιχαηλίδης Γ.**, Αυγέρης Ε., Tarricone S., Συμεών Γ. (2023). Αξιολόγηση της ποιότητας του κρέατος δυο Μεσογειακών φυλών μαύρου χοίρου. 37^ο Συνέδριο της Ελληνική Ζωοτεχνική Εταιρεία (Ε.Ζ.Ε.), Ορεστιάδα, 3-5 Οκτωβρίου 2023.
47. Karatosidi D., **Michailidis G.**, Avgeris E., Symeon G., Tarricone S. "Meat quality assessment of raw meat from two Mediterranean autochthonous pig breeds reared in sustainable conditions". 25th Congress of the Italian Animal Science and Production Association (ASPA), 13-16/06/2023, Bari, Italy.
48. Karatosidi D., Avgeris E., **Michailidis G.**, 2025. Investigation of genetic polymorphisms in Estrogen and Prolactin gene receptors in the autochthonous Greek black pig breed. Italian Journal of Animal Science. 26th Congress of the Italian Animal Science and Production Association, Torino, Italy, 17-20 June 2025:157.
49. Καρατοσίδη Δ., **Μιχαηλίδης Γ.**, Αυγέρης Ε., 2023. Ελληνικός μαύρος χοίρος, το «διαμάντι» της ελληνικής κτηνοτροφίας. MeatNews, τεύχος 114, Απρίλιος 2023.
50. Καρατοσίδη Δ., **Μιχαηλίδης Γ.**, Αυγέρης Ε., 2023. Ο κίνδυνος εξαφάνισης του μαύρου χοίρου. Agro.Tec., ν.10, Μάρτιος – Απρίλιος 2023.

Ερευνητικά Προγράμματα

1. "Study of effects of gene polymorphisms on ovulation rate and prolificacy of the Greek sheep breeds Chios and Florina".

Duration: 01/01/2005 - 31/12/2006, funded by the Greek government.

2. "Investigation of the role of cationic antimicrobial peptide LEAP-2 in chemotaxis and angiogenesis in poultry and pigs".

Duration: 01/01/2006 - 31/12/2006, funded by the Greek government.

3. "Investigation of the role of antimicrobial peptides gallinacins in the protection of the chicken reproductive tract from Salmonella infection in Greece and Albania".

Duration: 01/05/2007 - 31/12/2008, funded by INTERREG IIIA/ CARDS.

4. "QUBIC: Animal Breeding: Quality Biodiversity Innovation Competitiveness".

Duration: 01/04/2010 έως 30/09/2010, funded by EU, under MED programme.

5. "Hormone-free non-seasonal or seasonal goat reproduction for a sustainable European goat-milk market (FLOCK REPROD)".

Duration: 01/12/2009 – 30/11/2013, funded by EU, under FP7.

6. "Improving Academia – Industry Links in Food Safety and Quality (FOODLINKS)".

Duration: 01/01/2010 – 31/12/2012, funded by EU, under TEMPUS IV.

7. Member of the management committee of the COST Action no. FA1201: "Epigenetics and Periconception Environment - Periconception environment as an epigenomic lever for optimising food production and health in livestock (EPICONCEPT)".

Duration: 04/10/2012 – 03/10/2016, funded by EU, under COST.

8. Member of the management committee of the COST Action FA1201: "Epigenetics and Periconception Environment - Periconception environment as an epigenomic lever for optimising food production and health in livestock (EPICONCEPT)".

Duration: 04/10/2012 – 03/10/2016, funded by EU, under COST.

9. Member of the management committee of the COST Action CA15215: "Innovative approaches in pork production with entire males". Duration: 06/10/2016 – 05/10/2020, funded by EU, under COST.

10. Member of the management committee of the COST Action CA15224: "Identifying causes and solutions of keel bone damage in laying hens". Duration: 18/10/2016 – 17/10/2020, funded by EU, under COST.

11. Member of the management committee of the COST Action CA16119: "In vitro 3-D total cell guidance and fitness". Duration: 16/03/2017 – 15/03/2021, funded by EU, under COST.

12. Member of the management committee of the COST Action CA22112: "European Network on Livestock Phenomics". Duration: 16/03/2023 – 15/03/2027, funded by EU, under COST.

13. INTERREG IPA Cross Border Cooperation Programme PAPESHE - Protection of Autochthonous populations of Pelagonia Sheep breed in the cross-border area. 30/07/2018 – 1/5/2021, Amount: 771.738,00 EUR.

14. BloosomingCities KA220-VET - Cooperation partnerships in vocational education and training. ERASMUS+, 2022-2024.

15. Promoting Circular Economy Incubator for Youth – CIRCUIT, Interreg V-A Greece-Bulgaria, 2021-2023.

16. GFA Breeds - Genetic improvement and promotion of products from Greek farm animal breeds through modern methods of sustainable development and gene technologies - ESPA 2014-2020, RDP Measure 16.1-16.2 - Action 1 and 2. M16SYN2-00304. Amount: 300.000,00 EUR.

17. 2024-1-EL01-KA220-HED-000251915 PROFARMED: Advancing Precision Livestock Farming Education". 01/09/2024 – 31/08/2026, Amount: 400.000,00 EUR.

18. 2025-1-PL01-KA220-HED-000363519 SLIMPACT: Sustainable livestock management: addressing climate change impacts through innovative education and training. 01/09/2025 - 31/08/2028, Amount: 400.000,00 EUR.

19. Interreg VI-B IPA Adriatic Ionian Cooperation Programme 2021-2027, ECOBREEDS - Policies and strategies for environmental protection and preservation of pastoral systems and local livestock breeds in the Adriatic Ionian region. 1/8/2024 – 31/7/2027, Amount: 1.449.029,54 EUR.

20. 2025-1-PL01-KA220-VET000353310. FARMS 5.0 - Future-Aligned Resilient Modern Systems for Farmers Adhering to Industry 5.0 Principles towards Sustainable Agriculture. 01/09/2025 – 31/08/2027, Amount: 250.000 EUR.