

# Curriculum vitae

## **Panagiotis E. Simitzis**

Assistant Professor

Department of Animal Breeding and Husbandry,

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### **PERSONAL DATA**

*Date of Birth:* 17th February 1979

*Place of Birth:* Athens

*Nationality:* Greek

*Marital Status:* Married

### **EDUCATION**

PhD Thesis **Essential Oils in Sheep diet. Behavioural and Productive Implications, (2007).** Faculty of Animal Science, Agricultural University of Athens

Master **Feeding Behaviour of Farm Animals, (2003).** Faculty of Animal Science, Agricultural University of Athens

Bachelor **Sexual Behaviour of Sheep, (2002).** Faculty of Animal Science, Agricultural University of Athens

### **RELATED SKILLS**

#### **Expertise**

Applied Animal Behaviour Science

Animal Welfare

Animal Products Quality

Functional Foods

Animal Husbandry and Breeding

#### **Special Training:**

Environmental Protection and Sustainable Development (Climatic changes, Forest Safety, Sustainable Waste Management, Sustainable Urban Development, Green salary etc)

Food Safety (From Farm to Fork)

Quality Systems in Agriculture (AGRO, EUREPGAP, ISO 22000, BRC)

Design, Management and Inspection of Hazard Analysis Critical Control Point Systems

Languages:

Fluent in Greek (Mother tongue), English (Proficiency) and German (Kleines Deutsches Sprachdiplom)  
Advanced knowledge in Spanish

Computers:

Operating System: Microsoft Windows  
Statistical Analysis Packages: SAS  
General: Microsoft Office (Word, Excel, Powerpoint, Access).

Scholarships - Awards:

Greek State Scholarships Foundation 1996-1999: Bachelor,  
2002-2003: Master,  
2003-2006: PhD and  
2009-2010: Post-doc Research Program  
E.A.A.P. 2014: Participation fees  
2015: Best Poster Award (Sheep and Goat Commission)

**PROFESSIONAL EXPERIENCE**

2/2006 – 11/2008: Department of Feedingstuffs, Directorate of Animal Production Inputs, General Directorate of Animal Production, Greek Ministry of Rural Development and Food.

11/2009 – till now: Laboratory of Animal Breeding and Husbandry, Department of Animal Science and Aquaculture, Agricultural University of Athens. (*Participation in several research projects and teaching in undergraduate and postgraduate courses*).

*Teaching subjects:*

*Graduate: i) Ethology of Farm Animals, ii) Production of Pigs and Ruminants, iii) Farming of Domestic Ruminants, iv) Quality and Safety of Animal Products.*

*Post graduate: i) Dairy cattle, sheep and goat behaviour, ii) Pig production, iii) Meat, milk and egg quality.*

*Erasmus: i) Pig production, ii) Sheep and Goat production*

**RESEARCH PROJECTS (FUNDED BY E.U. AND NATIONAL RESOURCES)**

1. Scientific guidance of Agricultural, Olive and Farm Animal Association in Parakoila – Lesvos for the dissemination and use of the appropriate genetic material of Lesvos sheep breed (in progress)
2. “Upgrading of the content in studies of Secondary Vocational Education and the Year after High School” by the Institute of Educational Policy (in progress)
3. “Epizootiology of foot-related lameness, assessment of relevant risk factors and development of a protocol for its diagnosis, prediction and control in intensively reared dairy sheep”, Operational Programme “Development and utilisation of

human resource abilities – active social inclusion” coordinated by Ass. Prof. Athanasios Gelasakis (in progress)

4. “Acid whey from yogurt: Turning an environmental burden into innovative added value end products”, Operational Programme "Competitiveness, Entrepreneurship and Innovation" (EPAnEK), Partnership Agreement (PA) 2014-2020 coordinated by Ass. Prof. George Theodorou (in progress)
5. Agricultural University of Athens, Department of Animal Science and Aquaculture: “Innovation and Entrepreneurship - Exploitation of Research at the AUA” coordinated by Prof. Stylianos Rozakis (2014-2015)
6. Agricultural University of Athens, Department of Animal Science and Aquaculture: Thalys – “The effects of antioxidants’ dietary supplementation on animal product quality” coordinated by Prof. Stylianos Deligeorgis (2012-2015)

#### **MEMBER OF EDITORIAL BOARD**

1. Journal of Veterinary Behavior
2. Veterinary World

#### **REVIEWS**

*More than three hundred (300) reviews for several scientific journals, such as Annals of Animal Science, Animal Feed Science and Technology, Animal, Animals, Antioxidants, Animal Science Journal, British Poultry Science, Canadian Journal of Animal Science, Heliyon, International Journal of Biometeorology, International Journal of Molecular Sciences, Journal of Animal and Feed Sciences, Journal of Applied Animal Research, Journal of Applied Animal Welfare Science, Livestock Science, Nutrition and Food Science, Pharmaceuticals, Plasma, Poultry Science, Small Ruminant Research, Sustainability, Veterinary Sciences, World Poultry Science, World Rabbit Science etc.*

*(communication with the journals is available)*

#### **PRESENTATIONS IN NATIONAL CONFERENCES (ABSTRACTS)**

*More than thirty five (35) oral presentations in national conferences*

#### **PRESENTATIONS IN NATIONAL CONFERENCES (FULL ARTICLES)**

1. Ch. Tzanidakis, P. Simitzis, K. Arvanitis, P. Panagakis, 2019. Precision Livestock Farming (PLF) Techniques in Pig Husbandry. Proceedings of the 11th Hellenic Congress of Agricultural Engineering, Volos, 8 November 2019, 102-114.
2. P.E Simitzis, I. Bizelis, 2019. Agro-industrial by-products dietary supplementation and effect on meat quality characteristics of farm animals. Proceedings of the 6th Hellenic Congress “Meat & Products Thereof – From Stable to Table”, 1-3 February 2019, 47-60.

3. E. Krystallidou, V. Kotsabasi, V. Christodoulou, K. Zinoviadou, P.E. Simitzis, E. Lamprinea, 2017. Participation of aromatic plants and essential oils in lamb nutrition and their effect on meat quality characteristics. Proceedings of the Hellenic Congress "Meat & Products Thereof – From Stable to Table", 3-5 February 2017, 45-52.
4. P.E Simitzis, I. Bizelis, 2017. Factors that influence meat production in lambs. Proceedings of the Hellenic Congress "Meat & Products Thereof – From Stable to Table", 3-5 February 2017, 132-137.
5. P. Simitzis, M. Goliomytis, M. Charismiadou, S. Deligeorgis, 2015. Effect of natural antioxidants on meat quality characteristics. Proceedings of the Hellenic Congress "Meat & Products Thereof – From Stable to Table", 27 February – 1 March 2015, 156-163.
6. E. Apostolaki and P. Simitzis, 2012. Transmissible Spongiform Encephalopathies and Animal Nutrition: Legal Frame-Controls-Latest developments. Proceedings of the Hellenic Congress "Meat Days 2012 – From Stable to Table, 29 September – 1 October 2012, 44-49.
7. P. Simitzis, M. Bronis, M. Charismiadou, K. Mountzouris and S. Deligeorgis, 2012. The effects of cinnamon (*cinnamomum zeylanicum*) essential oil dietary supplementation on the quality and microbial growth of lamb meat. Proceedings of the Hellenic Congress "Meat Days 2012 – From Stable to Table", 29 September – 1 October 2012, 28-36.
8. E. Apostolaki and P.Simitzis, 2010. Traceability and labelling of Feedingstuffs. Proceedings of the 2nd Hellenic Congress "Meat & Products Thereof – From Stable to Table", 24-26 September 2010, 107-112.
9. P.E. Simitzis, M.A. Charismiadou, G.K. Symeon, A.G. Ayoutanti and S.G. Deligeorgis, 2010. The effects of dietary hesperidin supplementation on meat characteristics of chicken and lamb. Proceedings of the 2nd Hellenic Congress "Meat & Products Thereof – From Stable to Table", 24-26 September 2010, 38-47.
10. E. Apostolaki and P.Simitzis, 2010. Hazards and Control Measures in Feed Production. Proceedings of the 2nd Hellenic Congress "Meat & Products Thereof – From Stable to Table", 24-26 September 2010, 30-37.
11. C. Gessouli, A. Moschou, T. Massouras, J. Bizelis, S. Deligeorgis, P. Simitzis, 2009. The effect of dietary supplementation with oregano essential oil on the ewe's milk characteristics. Greek Journal of Dairy Science and Technology – Proceedings of the 1st Hellenic Scientific Congress "Milk & Milk Products", 9-10 October 2008, 55-71.

12. P. Simitzis, I. Bizelis, S. Deligeorgis and Th. Massouras, 2009. The use of aromatic plants and the respective essential oils in ruminant nutrition and their effects on the characteristics of produced milk. Greek Journal of Dairy Science and Technology – Proceedings of the 1st Hellenic Scientific Congress “Milk & Milk Products”, 9-10 October 2008, 43-54.
13. P. Simitzis, A. Boulis, I. Darzenta and E. Apostolaki, 2008. Healthy feeds – Safe Meat. Constituents of animal diets that influence meat products safety and their implications on human health and the environment. Proceedings of the 2nd Hellenic Congress “Meat & Products Thereof – From Stable to Table”, 10-12 October 2008, 43-50.
14. P.E. Simitzis, I.A. Bizelis and S.G. Deligeorgis, 2008. The effect of aromatic plants and the respective essential oils utilization on the characteristics of meat. Proceedings of the 2nd Hellenic Congress “Meat & Products Thereof – From Stable to Table”, 10-12 October 2008, 33-41.

#### **PRESENTATIONS IN INTERNATIONAL CONFERENCES**

1. **P. Simitzis**, I. Seferlis, M. Goliomytis, I. Bizelis, I. Politis. Factors influence the behavioural parameters displayed during milking in dairy ewes. Theater Presentation, Session 60. EAAP – 67th Annual Meeting, Belfast, UK, 29th August – 2nd September 2016. Book of abstracts No. 22, 528.
2. **P.E. Simitzis**, M.A. Charismiadou, M. Goliomytis, A. Charalambous, I. Detska and S.G. Deligeorgis, 2015. The effects of dietary hesperidin and naringin supplementation on lamb performance and meat characteristics. 29th International Conference EFFoST, Athens, 10th -12th November 2015, 921-925.
3. **P. Simitzis**, M. Charismiadou, M. Goliomytis, T. Masouras, K. Moschou, C. Ikononou, E. Papadedes, S. Lepesioti, S. Deligeorgis. Effects of flavonoids dietary supplementation on yoghurt antioxidant capacity. Poster Presentation, Session 48. EAAP – 66th Annual Meeting, Warsaw, Poland, 31 August – 4 September 2015. Book of abstracts No. 21, 480.
4. **P. Simitzis**, A. Kiriakopoulos, G. Symeon, A. Kominakis, I. Bizelis, S. Chadio, O. Pagonopoulou, S. Deligeorgis. Effect of prenatal overfeeding on post-weaning behavior of rabbits. Theater Presentation, Session 48. EAAP – 66th Annual Meeting, Warsaw, Poland, 31 August – 4 September 2015. Book of abstracts No. 21, 539.
5. A.L. Hager-Theodorides, N.A. Dragona, K. Moschou, C. Kappou, I. Arkoumanis, M. Goliomytis, M. Charismiadou, **P. Simitzis**, T. Massouras and S. Deligeorgis. Effect of dietary supplementation of broiler chickens with the natural antioxidants

hesperidin and naringin on the expression of lipogenesis related genes and fatty acid profile. Poster Presentation in the 6th International Symposium on Animal Functional Genomics. 27-29 July 2015, Piacenza, Italy.

6. M. Goliomytis, **P. Simitzis**, M. Charismiadou, T. Masouras, K. Moschou, C. Ikononou, E. Papadedes, S. Lepesioti, S. Deligeorgis. Effects of Flavonoids Dietary Supplementation on Milk Antioxidant Capacity in Sheep. 9th World Congress on Polyphenols Applications. June 3-4-5, 2015 – St Julian, Malta.
7. Goliomytis M., **Simitzis P.**, Kartsonas N., Charismiadou M., Kominakis A., Deligeorgis S. Quality and oxidative stability of broiler meat as affected by dietary supplementation of the bioflavonoids naringin and hesperidin. Poster Presentation (27). WPSA – 31st Poultry Science Symposium, Sustainable Poultry Production in Europe, Chester, UK, 8-10 September 2014. Book of abstracts, 26.
8. **P. Simitzis**, M. Goliomytis, K. Papalexi, N. Veneti, M. Charismiadou, A. Kominakis and S. Deligeorgis. Effects of flavonoids dietary supplementation on egg yolk antioxidant capacity and cholesterol level. Theater Presentation, Session 06. EAAP – 65th Annual Meeting, Copenhagen, Denmark, 25-29 August 2014. Book of abstracts No. 20, 109.
9. **P. Simitzis**, K. Galani, P. Koutsouli and I. Bizelis. Effect of breed and litter size on the display of maternal and offspring postnatal behavior in sheep. Theater Presentation, Session 25. EAAP – 65th Annual Meeting, Copenhagen, Denmark, 25-29 August 2014. Book of abstracts No. 20, 229.
10. **P.E. Simitzis**, G.K. Symeon, M.A. Charismiadou, A. Ayoutanti and S.G. Deligeorgis. The effects of dietary hesperidin supplementation on broilers performance and meat quality. Poster 10, Session 46. EAAP – 61th Annual Meeting, Heraklion, Greece, 23-27 August 2010. Book of abstracts No. 16, 365.
11. **P.E. Simitzis**, K. Fegeros, J.A. Bizelis and S.G. Deligeorgis, 2005. Behavioural reaction to essential oils dietary supplementation in sheep. 8th International Symposium “Modern Trends in Livestock Production”. Institute for Animal Husbandry. Zemun, Belgrade, Yugoslavia, 5-8 October 2005. Biotechnology in Animal Husbandry 21, (5-6), 97-103.
12. S.G. Deligeorgis, J.A. Bizelis and **P.E. Simitzis**, 2004. Mating behaviour of thin and fat tailed rams on fat tailed ewes. Poster SM6.8. EAAP – 55th Annual Meeting, Bled, Slovenia, 5-9 September 2004. Book of abstracts No. 10, 260.

#### **PUBLICATIONS IN PEER REVIEWED SCIENTIFIC JOURNALS**

1. A. Tsala, V. Mpekeli, G. Karvelis, P. Tsikakis, M. Goliomytis, **P. Simitzis**, 2020. Effects of Dried Olive Pulp Dietary Supplementation on Quality Characteristics and Antioxidant Capacity of Pig Meat. Foods, 9(1), 81.

2. E. Baira, I. Dagla, E. Siapi, P. Zoumpoulakis, A. Tsarbopoulos, **P. Simitzis**, M. Goliomytis, S.G Deligeorgis, A.-L. Skaltsounis, E. Gikas, 2020. Development and Validation of a UPLC–ESI (-)–MS/MS Methodology for the Simultaneous Quantification of Hesperidin, Naringin, and their Aglycones in Chicken Tissue Samples. *Journal of AOAC International* 103, 83-88.
3. **P. Simitzis**, T. Massouras, M. Goliomytis, M. Charismiadou, K. Moschou, C. Economou, V. Papadedes, S. Lepesioti, S. Deligeorgis, 2019. The effects of hesperidin or naringin dietary supplementation on yoghurt quality parameters in dairy ewes – A preliminary study. *Nutrition, Dietetics & Nutraceuticals* 1, 1-5.
4. **P. Simitzis**, T. Massouras, M. Goliomytis, M. Charismiadou, K. Moschou, C. Economou, V. Papadedes, S. Lepesioti, S. Deligeorgis, 2019. The effects of hesperidin or naringin dietary supplementation on the milk properties of dairy ewes. *Journal of the Science of Food and Agriculture* 99, 6515-6521.
5. A.C. Pappas, E. Zoidis, M. Goliomytis, **P.E. Simitzis**, K. Sotirakoglou, M.A. Charismiadou, C. Nikitas, G. Danezis, S.G. Deligeorgis, C.A. Georgiou, 2019. Elemental Metabolomics: Modulation of Egg Metallome with Flavonoids, an Exploratory Study. *Antioxidants*, 8(9), 361.
6. **P. Simitzis**, A. Kiriakopoulos, G. Symeon, M. Goliomytis, A. Kominakis, I. Bizelis, S. Chadio, O. Pagonopoulou, S. Deligeorgis, 2019. Effect of prenatal overfeeding on the growth performance and post-weaning behavioral parameters in rabbits. *Journal of Veterinary Behavior* 33, 38-45.
7. M. Goliomytis, **P. Simitzis**, A. Papalexi, N. Veneti, A.L. Hager-Theodorides, M.A. Charismiadou, S.G. Deligeorgis, 2019. Influence of citrus flavonoids on laying hen performance, inflammatory immune response, egg quality and yolk oxidative stability. *British Poultry Science* 60, 272–278.
8. **P.E. Simitzis**, M. A. Charismiadou, M. Goliomytis, A. Charalambous, I. Ntetska, E. Giamouri, S.G Deligeorgis, 2019. Antioxidant status, meat oxidative stability and quality characteristics of lambs fed with hesperidin, naringin or  $\alpha$ -tocopheryl acetate supplemented diets. *Journal of the Science of Food and Agriculture* 99, 343-349.

9. E. Baira, I. Dagla, E. Siapi, P. Zoumpoulakis, A. Tsarbopoulos, **P. Simitzis**, M. Goliomytis, S.G. Deligeorgis, A.-L. Skaltsounis, E. Gikas, 2019. Development of a Validated UHPLC-ESI (-)-HRMS Methodology for the Simultaneous Quantitative Determination of Hesperidin, Hesperetin, Naringin, and Naringenin in Chicken Plasma. *Food Analytical Methods* 12, 1187-1196.
10. E. Armaou, **P. Simitzis**, P. Koutsouli, E. Zidou, T. Massouras, M. Goliomytis, I. Bizelis, I. Politis, 2018. The effect of extended milking intervals (24, 48 and 72 h) on milk yield, milk composition, mammary physiology and welfare traits in dairy ewes. *Journal of Dairy Research* 85, 416-422.
11. **P. Simitzis**, D. Spanou, N. Glastra, M. Goliomytis, 2018. Impact of dietary quercetin on laying hen performance, egg quality and yolk oxidative stability. *Animal Feed Science and Technology* 239, 27-32.
12. M. Goliomytis, A. Kostaki, G. Avgoulas, D.Z. Lantzouraki, E. Siapi, P. Zoumpoulakis, **P. Simitzis**, S.G. Deligeorgis, 2018. Dietary supplementation with orange pulp (*Citrus sinensis*) improves egg yolk oxidative stability in laying hens. *Animal Feed Science and Technology* 244, 28-35.
13. **P.E. Simitzis**, A. Chazlari, M.A. Charismiadou, M. Goliomytis, S.G. Deligeorgis, 2018. Partial replacement of alfalfa hay by wheat straw improves milk oxidative stability without negative effects on milk yield and composition in sheep. *Journal of Veterinary Medicine and Animal Sciences* 2, 1006.
14. E. Baira, I. Dagla, E. Siapi, P. Zoumpoulakis, **P. Simitzis**, M. Goliomytis, S.G. Deligeorgis, A.-L. Skaltsounis, E. Gikas, 2018. UHPLC–HRMS-based tissue untargeted metabolomics study of naringin and hesperidin after dietary supplementation in chickens. *Food Chemistry* 269, 276–285.
15. **P.E. Simitzis**, 2018. Agro-Industrial By-Products and Their Bioactive Compounds - An Ally against Oxidative Stress and Skin Aging. *Cosmetics* 5, 58.
16. **P.E. Simitzis**, 2017. Enrichment of Animal Diets with Essential Oils—A Great Perspective on Improving Animal Performance and Quality Characteristics of the Derived Products. *Medicines* 4, 35; doi: 10.3390/medicines4020035.



17. C. Fotakis, D.Z. Lantzouraki, M. Goliomytis, **P.E. Simitzis**, M. Charismiadou, S.G. Deligeorgis, P. Zoumpoulakis, 2017. NMR Metabolomics Investigates the Influence of Flavonoid-Enriched Rations on Chicken Plasma. *Journal of AOAC International* 100, 315-322.
18. P. Koutsouli, **P. Simitzis**, G. Theodorou, Th. Massouras, I. Bizelis, I. Politis, 2017. The effect of milking frequency reduction from twice to once daily on mammary physiology and animal welfare of two dairy Greek sheep breeds. *Small Ruminant Research* 147, 18-24.
19. **P. Simitzis**, K. Galani, P. Vasiliou, P. Koutsouli and I. Bizelis, 2016. Effect of breed and litter size on the display of maternal perinatal and offspring postnatal behavior in dairy sheep. *Journal of Veterinary Behavior: Clinical Applications and Research* 13, 10-18.
20. M. Goliomytis, N. Kartsonas, M.A. Charismiadou, G. Symeon, **P.E. Simitzis**, S.G. Deligeorgis, 2015. The influence of naringin or hesperidin dietary supplementation on broiler meat quality and oxidative stability. *PLoS ONE* 10(10): e0141652, doi:10.1371/journal.pone.0141652.
21. **P.E. Simitzis**, G.K. Symeon, A.P. Kominakis, I.A. Bizelis, S.E. Chadio, Z. Abas, S.G. Deligeorgis, 2015. Severe maternal undernutrition and post-weaning behavior of rabbits. *Physiology & Behavior* 141, 172–179.
22. **P.E. Simitzis**, S. Karastamatis, P. Koutsouli, I.A. Bizelis, I. Politis, 2015. Effect of yoghurt serum powder dietary supplementation on growth performance and antioxidant status in fattening lambs. *International Journal of Health, Animal Science and Food Safety* 2, 1-8.
23. G.K. Symeon, A. Athanasiou, N. Lykos, M.A. Charismiadou, M.Goliomytis, N. Demiris, A. Ayoutanti, **P.E. Simitzis**, S.G. Deligeorgis, 2014. The effects of dietary cinnamon (*cinnamomum zeylanicum*) oil supplementation on broiler feeding behavior, growth performance, carcass traits and meat quality characteristics. *Annals of Animal Science* 14, 883-895.

24. **P.E. Simitzis**, A. Tsopelakos, M.A. Charismiadou, A. Batzina, S.G. Deligeorgis and H. Miliou, 2014. Comparison of the effects of six stunning/killing procedures on flesh quality of sea bass (*Dicentrarchus labrax*, Linnaeus 1758) and evaluation of clove oil anaesthesia followed by chilling on ice/water slurry for potential implementation in aquaculture. *Aquaculture Research* 45, 1759-1770.
25. M. Goliomytis, D. Tsourekis, **P.E. Simitzis**, M.A. Charismiadou, A.L. Hager-Theodorides and S.G. Deligeorgis, 2014. The effects of quercetin dietary supplementation on broiler performance, meat quality and oxidative stability characteristics. *Poultry Science* 93, 1957–1962.
26. **P.E. Simitzis**, M. Bronis, M.A. Charismiadou, K.C. Mountzouris and S.G. Deligeorgis, 2014. Effect of cinnamon (*cinnamomum zeylanicum*) essential oil supplementation on lamb growth performance and meat quality characteristics. *Animal* 8, 1554-1560.
27. **P.E. Simitzis**, C. Babaliaris, M.A. Charismiadou, G. Papadomichelakis, M. Goliomytis, G.K. Symeon and S.G. Deligeorgis, 2014. Effect of hesperidin dietary supplementation on growth performance, carcass traits and meat quality of rabbits. *World Rabbit Science* 22, 113-121.
28. M. Goliomytis, Y. Orfanou, E. Petrou, M.A. Charismiadou, **P.E. Simitzis** and S.G. Deligeorgis, 2014. Effect of hesperidin dietary supplementation on hen performance, egg quality and yolk oxidative stability. *British Poultry Science* 55, 98-104.
29. **P.E. Simitzis**, G. Papadomichelakis, E. Tsiplakou, G. Theodorou, G. Zervas and I. Politis, 2014. Effect of dietary protein source on piglet meat quality characteristics. *International Journal of Health, Animal Science and Food Safety* 1, 15-26.
30. **P.E. Simitzis**, E.-P. Skoupa, M. Goliomytis, A. Kominakis and S.G. Deligeorgis, 2013. The effects of mild maternal undernutrition on the post-weaning behaviour of rabbits. *Applied Animal Behaviour Science* 148, 157-163.

31. **P.E. Simitzis**, D. Veis, N. Demiris, M.A. Charismiadou, A. Ayoutanti and S.G. Deligeorgis, 2013. The effects of the light regimen imposed during lactation on the performance and behaviour of sows and their litters. *Applied Animal Behaviour Science* 144, (3-4), 116-120.
32. **P.E. Simitzis**, V. Ilias-Dimopoulos, M.A. Charismiadou, E.E. Biniari and S.G. Deligeorgis, 2013. The effects of dietary hesperidin supplementation on lamb performance and meat characteristics. *Animal Science Journal* 84, 136–143.
33. **P.E. Simitzis**, E. Kalogeraki, M. Goliomytis, M.A. Charismiadou, K. Triantaphyllopoulos, A. Ayoutanti, K. Niforou, A.L. Hager-Theodorides and S.G. Deligeorgis, 2012. Impact of stocking density on broiler growth performance, meat characteristics, behavioural components and indicators of physiological and oxidative stress. *British Poultry Science* 53, (6), 721-730.
34. **P.E. Simitzis**, M. Petrou, N. Demiris and S.G. Deligeorgis, 2012. Effect of pre-weaning temporary isolation within different age periods on the early post-weaning behaviour of juvenile lambs. *Applied Animal Behaviour Science* 141, 43-48.
35. **P.E. Simitzis**, G.K. Symeon, M.A. Charismiadou, A.G. Ayoutanti and S.G. Deligeorgis, 2011. The Effects of Dietary Hesperidin Supplementation on Broilers Performance and Chicken Meat Characteristics. *Canadian Journal of Animal Science* 91, 275-282.
36. **P.E. Simitzis**, G.K. Symeon, M.A. Charismiadou, J.A. Bizelis and S.G. Deligeorgis, 2010. The Effects of Dietary Oregano Oil Supplementation on Pig Meat Characteristics. *Meat Science* 84, 670–676.
37. **P.E. Simitzis**, I. Bizelis, S.G. Deligeorgis and K. Fegeros, 2009. Effect of pre-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.
38. **P.E. Simitzis**, M.A. Charismiadou, B. Kotsampasi, G. Papadomichelakis, E.P. Christopoulou, E.K. Papavlasopoulou, S.G. Deligeorgis, 2009. Influence of

maternal undernutrition on the behaviour of juvenile lambs. *Applied Animal Behaviour Science* 116, (2-4), 191-197.

39. **P.E. Simitzis**, J.A. Bizelis, S.G. Deligeorgis and K. Fegeros, 2008. Effect of early dietary experiences on the development of feeding preferences in semi-intensive sheep farming systems – a brief note. *Applied Animal Behaviour Science* 111, (3-4), 391-395.
40. **P.E. Simitzis**, S.G. Deligeorgis, J.A. Bizelis, A. Dardamani, I. Theodosiou and K. Fegeros, 2008. Effect of Dietary Oregano Oil Supplementation on lamb meat Characteristics. *Meat Science* 79, (2), 217-223.
41. **P.E. Simitzis**, S.G. Deligeorgis, J.A. Bizelis and K. Fegeros, 2008. Feeding preferences in lambs influenced by prenatal flavour exposure. *Physiology & Behavior* 93, 529-536.
42. **P.E. Simitzis**, J.A. Bizelis, K. Fegeros and S.G. Deligeorgis, 2007. Effect of dietary oregano essential oil supplementation on sheep milk characteristics. *Animal Science Review* 37, 69-78.
43. **P.E. Simitzis**, S.G. Deligeorgis and J.A. Bizelis, 2006. Effect of breed and age on sexual behaviour of rams. *Theriogenology* 65, 1480-1491.

#### **PUBLICATIONS AS BOOK CHAPTERS**

1. **P.E. Simitzis**, S.G. Deligeorgis, 2018. Agroindustrial By-Products and Animal Products: A Great Alternative for Improving Food-Quality Characteristics and Preserving Human Health. In: "Food Quality: Balancing Health and Disease. Handbook of Food Bioengineering, vol. 13". Academic Press, p 253-290.
2. **P.E. Simitzis**, 2017. Incorporation of agro-industrial by-products in the diets of animals: Improvement of meat quality characteristics with minimal cost. In: "Meat and Meat Processing". Nova Science Publishers, Inc., p 1-42.
3. **P.E. Simitzis**, S.G. Deligeorgis, 2011. The effects of natural antioxidants dietary supplementation on the properties of farm animal products. In: "Animal Feed: Types, Nutrition, Safety". Nova Science Publishers, Inc., p 155-168.