



Vassilis Papatsiros, DVM, PhD

“Porcine Medicine”

Clinic of Medicine, Faculty of Veterinary Medicine
University of Thessaly, Greece (UTH)
Trikalon 224, 43100, Karditsa, Greece
Tel. : 24410-66012 / email: vpapatsiros@vet.uth.gr

STUDIES

Undergraduate studies

Doctor of Veterinary Medicine, DVM. School of Veterinary Medicine, Aristotle University of Thessaloniki, Greece (AUTH) (Nov. 2001).

Postgraduate studies

PhD Thesis. School of Veterinary Medicine, AUTH, Greece (July 2006): Specification in porcine medicine, porcine herd health management. Διδάκτορας της Κτηνιατρικής Σχολής Α.Π.Θ., Κλινική Παθολογίας Παραγωγικών Ζώων-Παθολογία Χοίρου (Ιουλ. 2006)

Postdoctoral training

Clinic for Swine, Small Ruminants and Forensic Medicine - Field Station for Epidemiology Bakum, University of Veterinary Medicine Hannover, Hannover, Germany (Οκτ. – Νοεμ. 2012)

Training programs

Instituto Zooprofilattico Sperimentale Della Lombardia Ed Emilia Romagna: COST Action ASF-STOP- Understanding and Combating African Swine Fever in Europe (Jan. 2019, Brescia, Italy)

Faculty of Veterinary Medicine, Ghent University: Respiratory health seminar (Febr. 2018, Belgium)

BIOMIN Research Center-Tulln: Solving the Antibiotic-Free Production Puzzle: Guidelines for a responsible use of antibiotics in the modern swine production (Nov. 2011, Austria)

European Commission-Executive Agency for Health and Consumers: EU EAHG HACCP Auditing HACCP Systems by Campden BRI (Nov. 2010, Porto, Portugal)

PROFESSIONAL ACTIVITIES

Associate Professor of Porcine Medicine, Faculty of Veterinary Medicine, UTH (Dec. 2018-present)

Assistant Professor of Porcine Medicine, Faculty of Veterinary Medicine, UTH (Aug. 2013-Dec. 2018)

Lecture of Porcine Medicine, Faculty of Veterinary Medicine, UTH (Jan. 2011- Aug. 2013)

Adjunct Lecturer of Production Animal Medicine, Faculty of Veterinary Medicine, UTH (Sept. 2007-Febr. 2009)

Veterinary officer in Directorate General of Veterinary Services, Greek Ministry of Rural Development and Food (Mar. 2009-Jan. 2011)

Scientific responsible of Greek Ministry of Rural Development and Food (Febr. 2007-Aug. 2008)

Freelance swine expert veterinarian (Jan. 2006-Marc. 2009)

PROFESSIONAL ACTIVITIES

Undergraduate teaching

Lectures, tutorials, clinical teaching, farm visits in porcine medicine, porcine herd health management, reproductive diseases of sow and boar, swine artificial insemination, as well as animal behavior, animal welfare, ethics and legislation at the Veterinary Faculty, University of Thessaly

Postgraduate teaching

Master of Science in “Veterinary Public Health”, National School of Public Health, Greece (academic year 2006-2007)

Master of Science in “Zoonoses, Immunopathology and Diagnosis”, National School of Public Health, Greece (academic year 2006-2007)

ADMINISTRATIVE ACTIVITIES

Dean of the Faculty of Veterinary Medicine, UTH (2020-present)

Member of the General Assembly, Faculty of Public and One Health, UTH (2019-present)

Member of the EAEVE evaluation committee, Faculty of Veterinary Medicine, UTH (2017-2018)

Member of the education committee, Faculty of Veterinary Medicine, UTH (2017-present)

Member of the study program committee, Faculty of Veterinary Medicine, UTH (2015-present)

RESEARCH

Research interests

Porcine Medicine, porcine herd health management, porcine reproductive and respiratory syndrome virus (PRRSV), porcine circovirus associated diseases (PCVAD), porcine respiratory disease complex (PRDC), reproductive diseases in sows and boars, animal welfare and production, alternatives to antibiotics, zoonoses

Supervision of PhD Theses

Supervisor in 3 PhD Theses

Member of supervisory committee in 3 PhD Theses

Research grants

Principal Investigator in 13 research projects and co-investigator in 20.

Principal Investigator

Study of PCV-2 vaccinations in piglets . Granted by “Zoetis Hellas S.

Study of PRRSV and PCV2 in clinical forms of PRDC and the vaccine programs for its control. Granted by “Zoetis Hellas S.A.”

Consulting on porcine herd health management. Granted by “VitaTrace Nutrition Ltd”

Design and application of a porcine herd health management program in Mitsopoulos Farm. Granted by “Mitsopoulos Farm”.

Efficacy of gamithromycin injectable solution for the treatment of acute PRDC mainly due to *Actinobacillus pleuropneumoniae*. Granted by “Boehringer Ingelheim/Merial”

Field evaluation of Porcilis[®] PRRS on health status and performance of growing-finishing pigs. Granted by “MSD Animal Health – Intervet Hellas SA”

Effects of Arbocel[®] on feeding behaviour and reproductive performance of lactating sows. Granted by “Astron Chemicals SA”

Innovation and herd health management in pig farm according to ISO 22000:2005. Granted by Mpouchariotis Ltd.

Application of Porcine Herd Health Management Program in Greek pig farms. Granted by Mpouchariotis Ltd.

Investigation of *Toxoplasma gondii* prevalence in swine farms in region of Thessaly. Granted by the “Research Committee of the University of Thessaly”

Healthyclaw: Claw lesions, longevity and welfare of group housed sows. Granted by “European Committee”

Consulting – Seminars for porcine herd health management program. Granted by private companies.

Studies on the porcine herd health management program. Granted by private companies.

PRIZES AND DISTINCTIONS

Scholarships

Post-graduate fellowship (Hellenic State Scholarship Foundation) (2002-2005)

Patent

Hellenic Industrial Property Organization number: 1009391.

Member of scientific organizations

Founded member of the “Hellenic Society of Pharmacogenomics and Personalized Diagnosis and Therapy”.

Scientific Committee of Greek Ministry of Rural Development and Food for African Swine Fever surveillance program (2019-present).

Scientific Committee of Hellenic Ministry of Rural Development and Food for the Greek Avian Influenza surveillance program (2006-present).

Expert of Greek Accreditation System S.A. for the Certification of the Administration System for Quality Assurance of Pork Meat, in compliance with AGRO 3 series standards (June 2009-present) .

Management Board of the Greek Milk and Meat Organization (2008-2009).

Scientific evaluator expert in peer-reviewing process in European Commission

Horizon 2020 - Sustainable Food Security (2017-2019).

International Bureau (IB) of the German Ministry of Education and Science - Government of the Russian Federation (“measures designed to attract leading scientists to Russian institutions of higher learning”) (2010, 2013, 2018, 2019).

National Centre of Science and Technology Evaluation of Kazakhstan (2013).

ERAfrica proposal AMENET in the area of Interfacing Challenges (2013).

Εκδότης και κριτής σε διεθνή επιστημονικά περιοδικά

Gust Editor: Animals, special issue “Porcine Herd Health Management”.

Reviewer in Scientific journals: J Vet Pharmacol Therap, Reprod Domest Anim, Liv Sci, Vet J, PLOS ONE, J Anim Physiol Anim Nutr, Frontiers Microbiol, Annals Anim Sci, Acta Vet Scandin, Environm Sci Pollution Res, Vet World.

PUBLICATIONS

2 books for porcine medicine (in Greek)

4 chapters in books (in English)

57 papers in peer reviewed journals,

89 presentation in proceedings of international and national congresses

Books: 3

Papatsiros VG (2016). Porcine Medicine – Digestive Diseases and Disorders. ISBN: 978-960-603-210-3 (e-book), Hellenic Academic Libraries, Athens, Greece (in Greek).

Papatsiros VG (2013). Porcine Medicine – Bacterial Diseases and Disorders. ISBN: 978-960-6894-54-1 “Rotoda” Publications, Thessaloniki, Greece (in Greek).

Papatsiros VG. (2006). PhD Thesis: ‘*Porcine Reproductive and Respiratory Syndrome. Investigation upon the long-term effects of vaccination with an inactivated vaccine on health status of boars, sows and piglets*’. Faculty of Veterinary Medicine, AUTH, Thesaloniki.

Chapters in books: 4

Papatsiros VG (2020) Hepatitis E virus. In: Animal-Origin Viral Zoonoses, Malik, Yashpal Singh, Singh, Raj Kumar (Eds.) ISBN: 978-981-15-2650-3, Springer Nature Singapore Pte Ltd.

Papatsiros VG (2012) Porcine Herd Health Management Practices for the control of PRRSV Infection. In: A Bird's-Eye View of Veterinary Medicine, Perez-Marin CC. (Ed.), pp. 281-300. ISBN: 978-953-51-0031-7, InTech, Rijeka, Croatia.

Papatsiros VG & Bilinis Ch (2012) The prophylactic use of acidifiers as antibacterial agents in swine. In: *Antibacterial Agents / Book 1*, Varaprasad Bobbarala (Ed.), pp. 295-310. ISBN: 978-953-51-0723-1, InTech, Rijeka, Croatia.

Valiakos G, Athanasiou LV, Touloudi A, Papatsiros VG, et al. (2013) West Nile Virus: Basic Principles, Replication Mechanism, Immune Response and Important Genetic Determinants of Virulence. In: *Viral Replication*, German Rosas-Acosta (Ed.), ISBN: 978-953-51-1055-2, InTech, Rijeka, Croatia.

Lecture notes

Billinis C, Spyrou V, Papatsiros VG (2012) *Viral Diseases of Swine. Lecture Notes for veterinary students.* Faculty of Veterinary Medicine, University of Thessaly, Greece (in Greek).

Papatsiros VG (2011-2020) Lecture notes for e-learning system of University of Thessaly (UTH e-Class, eclass.uth.gr).

Proceedings of national congresses: 48 / Proceedings of international congresses: 41

Papers in peer reviewed journals: 57

1. Alexopoulos C, ..., Papatsiros VG, Kyriakis SC (2006) First experience on the effect of in-feed lincomycin for the control of proliferative enteropathy (PE) in growing pigs. *J Vet Med A, Physiol, Pathol, Clin Med*, 53 (3): 157-162.
2. Papatsiros VG, et al. (2006) Long-term administration of a commercial porcine reproductive and respiratory syndrome virus (PRRSV)-inactivated vaccine in PRRSV-endemically infected sows. *J Vet Med B: Infect Dis Vet Public Health*, 53: 266-272.
3. Papatsiros VG, et al. (2007) Latest information in relation to Postpartum Dysgalactia Syndrome of sows. *J Hellenic Vet Med Soc*, 58 (1), 61-75.
4. Papatsiros VG, et al. (2007) PRRS and secondary co-infections: New aspects, economic impact and update situation in Greece. *J Hellenic Vet Med Soc*, 58(2), 157-171.
5. Kostomitsopoulos N, ..., Papatsiros VG, et al. (2007). Legal framework on the protection, health and welfare of animals used for experimental and educational purposes. *J Hellenic Vet Med Soc*, 58(3), 270-274.
6. Papaioannou DS, ..., Papatsiros VG (2007) Evaluating the benefits of dietary intake of ω -3 polyunsaturated fatty acids regarding the effect on the reproductive performance of sows and boars. *J Hellenic Vet Med Soc*, 58(4), 351-366.
7. Papatsiros VG, et al. (2008) Gross and histopathological evaluation of reproductive system in sows vaccinated against Porcine Reproductive and Respiratory Syndrome (PRRS). *Reprod Domest Anim*, 43(3), 119.
8. Papaioannou DS, Papatsiros VG, et al (2008) Effect of an essential omega-3 fatty acids premix on boar's semen characteristics and fertility parameters. *Reprod Domest Anim*, 43 (3), 121.
9. Papatsiros VG, et al. (2008) Effect of a PRRSV inactivated vaccine on health status and semen characteristics of boars. *Reprod Domest Anim*, 43 (3), 121-122.

10. Tzika ED, Papatsiros VG, et al. (2009) The efficacy of in-feed valnemulin hydrochloride for the treatment and the control of ileitis in weaning and growing pigs. *J Appl Anim Res*, 35(2), 181-184.
11. Papatsiros VG, et al. (2009) Effect of *origanum vulgare* and *allium sativum* extracts for the control of Proliferative Enteropathy in weaning pigs. *Pol J Vet Sci*, 12(3): 407-414.
12. Papatsiros VG, et al. (2011) Effect of benzoic acid and combination of benzoic acid with probiotic containing *Bacillus cereus var. Toyoi* in weaned pig nutrition. *Pol J Vet Sci*, 14 (1): 117-125.
13. Papatsiros VG, et al. (2011) Porcine *Streptococcus suis*: an important zoonotic pathogen for human – prevention aspects. *Vet World*, 4(5), 216-221.
14. Papatsiros VG (2011) Exploration of the connection between porcine necrotic ear syndrome and PCV2 Infection. *J Anim Vet Adv*, 10(2):185-187.
15. Papatsiros VG, et al. (2011) Impact of a PRRSV vaccine on the health and semen traits of boars. *J Hellenic Vet Med Soc*, 62 (3):221-228.
16. Papatsiros VG, et al. (2011) Greek experience of the use of phyto-genic feed additives in organic pig farming. *J Cell Anim Biol*, 5 (16): 20-323.
17. Papatsiros VG (2011) Impact of animal health management on organic pig farming in Greece. *Biotech Anim Husband*, 27(1):115-125.
18. Papatsiros VG (2011) PRRSV and PCV-2 infections in Greek swine farms: Clinical forms and vaccination programmes. *VetScan*, 6(1):73.
19. Papatsiros VG, Christodoulopoulos G (2011) The use of organic acids in rabbit farming. *Online OJAFR*, 1(6): 434 - 438.
20. Papatsiros VG, et al. (2012) Detection and zoonotic potential of *Trichinella* spp from free range pig farming in Greece. *Foodborne Pathog Dis*, 9 (6): 536-540.
21. Tassis PD, Papatsiros VG, et al. (2012) Clinical evaluation of intradermal vaccination against Porcine Enzootic Pneumonia (*Mycoplasma hyopneumoniae*). *Vet Rec*, 170(10): 61.
22. Papatsiros VG (2012) Impact of a killed PRRSV vaccine on sow longevity in a PRRSV infected swine herd. *J Appl Anim Res*, 40(4): 297-304.
23. Papatsiros VG (2012) The splay leg syndrome in piglets: A Review. *Am J Anim Vet Sci*, 7(2):80-83.
24. Papatsiros VG (2012) Ear necrosis syndrome in weaning pigs associated with PCV2 infection: a case report. *Vet Res Forum*, 3(3): 212 – 215.
25. Papatsiros VG (2012) Porcine Respiratory and Reproductive Syndrome Virus vaccinology: a review for commercial vaccines. *Am J Anim Vet Sci*, 7 (4): 149-158.
26. Papatsiros VG, et al. (2012) Health and production of Greek organic pig farming: Current situation and perspectives. *J Hellenic Vet Med Soc*, 63(1): 37-44.
27. Papatsiros VG, et al. (2012) The use of organic acids in monogastric animals (swine and rabbits). *J Cell Anim Biol*, 6(10): 154-159.
28. Tzika ED, Tassis P, Papatsiros VG, et al. (2012) Update on syndromes and clinical problems

- associated with Porcine Circovirus type 2 infection. *Serbian J Agriult Sci*, 21(1-2):126-138.
29. Papatsiros VG, et al. (2012) Rectal prolapse in pregnant sows due to stall housing. *Case Report*, 1:516-518.
 30. Tzivara A, VG Papatsiros et al (2013) Residues depletion study and withdrawal period determination of Sulphadiazine and Trimethoprim premix in pigs. *Am J Anim Vet Sci*, 8(1): 37-44.
 31. Athanasiou LV, Papatsiros VG, et al. (2013) Effect of leptospirosis on the concentrations of streptomycin in liver and kidneys of pigs. *Am J Anim Vet Sci*, 8: 50-54.
 32. Papatsiros VG, et al. (2013) Alternatives to antibiotics for farm animals. *CAB Reviews* 8, No. 032: 1-15.
 33. Papatsiros VG. 2013 Biosecurity management practices for the prevention and control of PRRS. *Porcine Res* 3(1): 19-26.
 34. Boutsini S, Papatsiros VG et al. (2014) Emerging *Trichinella britovi* infections in free ranging pigs of Greece. *Vet Parasitol*, 199(3-4): 278-282.
 35. Kantas D, Papatsiros VG, et al. (2014) Effects of early vaccination with a Gonadotropin releasing factor analog-diphtheria toxoid conjugate on boar taint and growth performance of male pigs. *J Anim Sci*, 86(1):92-98.
 36. Kantas D, Papatsiros VG, et al. (2015) The effect of a natural feed additive (*Macleaya cordata*), containing sanguinarine, on the performance and health status of weaning pigs. *Anim Sci J*, 86(1): 92-98.
 37. Kantas D, Papatsiros VG, et al. (2015) A feed additive containing *Bacillus toyonensis* (Toyocerin[®]) protects against enteric pathogens in postweaning piglets. *J Appl Microbiol*, 118(3):727-38.
 38. Papatsiros V, et al. (2015) Pathological evaluation of reproductive system of porcine reproductive and respiratory syndrome virus in vaccinated and non-vaccinated anestrus sows and gilts. *Viral Immunol*, 28(4):229-235.
 39. Marinou KA, Papatsiros VG et al. (2015) Exposure of extensively farmed wild boars (*Sus scrofa scrofa*) to selected pig pathogens in Greece. *Vet Q*, 35(2):97-101.
 40. Kyriakis CS, Papatsiros VG, et al. (2015) serological evidence of pandemic h1n1 influenza virus infections in Greek swine. *Zoonoses Public Health*, 63(5):370-373.
 41. Papatsiros VG, et al. (2015) Erythema multiforme associated with respiratory disease in a commercial breeding pig herd. *Viral Immunol*, 28(8): 464-471.
 42. Tzika E, ..., Papatsiros V, et al. (2015) Field efficacy study of a novel ready-to-use vaccine against *M. hyo* and porcine circovirus type 2 in a Greek farm. *Por Health Manag* 1:15.
 43. Papatsiros VG, et al. (2016) Cross-sectional serosurvey and risk factors associated with the presence of *T. gondii* antibodies in pigs in Greece. *Vector-Borne Zoonotic Dis*, 16(1): 48-53.
 44. Skampardonis V, ..., Papatsiros V, et al. (2016) Effect of sow diets supplementation with chelated trace minerals on their reproductive performance. *J Hellenic Vet Med Soc*, 67(2): 123-128

45. Tassis PD, Tsakmakidis I, Papatsiros VG, et al. (2017) A randomized controlled study on the efficacy of a novel combination vaccine against enzootic pneumonia (*Mycoplasma hyopneumoniae*) and porcine Circovirus type 2 (PCV2) in the presence of strong maternally derived PCV2 immunity in pigs. *BMC Vet Res*, 13(1):91.
46. Tzika ED, Tassis PD, Papatsiros VG, et al. (2017) Evaluation of in-feed larch sawdust anti-inflammatory effect in sows. *Polish J Vet Sci*, 20(2):321-327.
47. Papatsiros VG, et al. (2018) First-time detection of porcine reproductive and respiratory syndrome virus and porcine circovirus 2 in an Albanian farrow-to-finish Herd. *Viral Immunol*, 31(5): 397-403.
48. Papatsiros VG, et al. (2019) Case report of transmissible gastroenteritis coronavirus infection associated with small Intestine and brain lesions in piglets. *Viral Immunol*, 32(1):63-67.
49. Papatsiros VG, et al. (2019) In vivo effectiveness of injectable antibiotics on the recovery of acute *Actinobacillus pleuropneumoniae*-infected pigs. *Microb Drug Res*, 25(4):603-610.
50. Pourlis A, Papatsiros VG, et al. (2019) Notomelia in a piglet (*Sus scrofa*): Case report and review of the literature. *Anat Histol Embryol*, 48(4):384-387.
51. Papatsiros VG, et al. (2019) First case of *Serratia liquefaciens* isolated from urinary tract infection in sows and associated clinicopathological and pathological findings. *Lett Appl Microbiol*, 70(4):259-262.
52. Papatsiros VG, et al. (2020). *Trichinella britovi* as a risk factor for alternative pig production systems in Greece and Europe. *Vet Res Forum*, 11(3):199-205.
53. Papatsiros VG, et al. (2020). Histopathological lesions accompanied with first-time isolation of a PRRSV-2 strain in Greece. *Viral Immunol*, 33(8):565-570.
54. Papatsiros VG, et al. (2020). Effects of injectable administration dexamethazone and/or vitamin E/Se in newborn piglets with low birth weight of an endemically PRRSV-infected farm. Accept for publication in *Polish J Vet Sci*. DOI: 10.5601/jelem.2020.25.2.1681
55. Papatsiros VG, et al. (2020). Effects of dietary fibre on metabolism and performance in sows. Accept for publication in *Polish J Vet Sci*. DOI: 10.5601/jelem.2020.25.2.1676
56. Papatsiros VG, et al. (2020). *Toxoplasma gondii* infection in swine: implications for Public Health. Accept for publication in *Front. Vet. Sci. - Veterinary Infectious Diseases*.
57. Papatsiros VG, et al. (2020). Exposure-based biomarkers and histopathological analysis in pig liver after exposure to mycotoxins under field conditions – special report on fumonisin B1. Accept for publication in *Foodborne Pathogens and Disease*.