

Dr Konstantinos Koutoulis

Professor in Poultry Diseases

Department of Poultry Diseases, Faculty of Veterinary Medicine

School of Health Sciences, University of Thessaly, Greece

Surname	Koutoulis
Name	Konstantinos
Father's name	Christos
Date of birth	November 2, 1966
Place of birth	New Artaki, Greece
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EDUCATION

Undergraduate studies

- Doctor of Veterinary Medicine, DVM. *School of Veterinary Medicine, Aristotle University of Thessaloniki, Greece* (March 1994).

Postgraduate studies

- Master in Business Administration, MBA. *Hellenic Management Association (HMA) - (February 2002 – June 2003).*
- PhD Thesis. *School of Veterinary Medicine, University of Bristol, UK (March 1999).*

PROFESSIONAL ACTIVITIES

- October 2025 – September 2026

Educational leave in MAPS Department, Faculty of Veterinary Medicine, University of Padova, Italy.

- March 2024 - Present

Full Professor of Poultry Diseases. Faculty of Veterinary Medicine, School of Health Sciences, University of Thessaly.

- July 2020 – March 2024

Associate Professor of Poultry Diseases. Faculty of Veterinary Medicine, School of Health Sciences, University of Thessaly.

- March 2016 – Present

Poultry Veterinary Service Manager in Europe. Ceva Animal Health, Libourne, France.

▪ April 2015 – July 2020

Assistant Professor of Poultry Diseases. Faculty of Veterinary Medicine, School of Health Sciences, University of Thessaly.

▪ December 2013 – February 2016

Training Operation Manager in **Al-Watania Poultry Institute of Technology (Kingdom of Saudi Arabia)**.

▪ September 2012 – Present

Lecturer of Animal Husbandry – Poultry Management. Faculty of Veterinary Medicine, School of Health Sciences, Univ. of Thessaly.

▪ January 2012 – April 2015

Lecturer of Poultry Diseases. Faculty of Veterinary Medicine, School of Health Sciences, Univ. of Thessaly.

▪ January 2013 – Present

External Veterinary Advisor in **Mazaraki A.V.E.E.** and **Distrochick A.V.E.E.** based in cooperation with Clinic of Avian Medicine, Faculty of Veterinary Medicine, School of Health Sciences, Univ. of Thessaly.

▪ April 2011 – December 2012

Veterinarian in **Distrochick A.V.E.E.**, *Breeders Production Company, 15% share of Greek production, Athens, Attica, Greece*

▪ April 2011 – December 2012

Veterinarian in **Mazaraki A.V.E.E.**, *Poultry Production and Distribution Company, 7% share of Greek production, New Artaki, Evia Island, Greece*

▪ September 2008 – March 2011

Chief Veterinarian in **Leivaditis S.A.**, *Poultry Production and Distribution Company, 5% share of Greek production, Schimatari, Viotia, Greece*

▪ February 2008 – January 2012

Adjunct lecturer of Poultry Diseases, Faculty of Veterinary Medicine, School of Health Sciences, Univ. of Thessaly.

▪ September 2003 – February 2008

Veterinarian in **Hellenic Quality Food S.A. (HQF)**, *Poultry Production and Distribution Company, 12% share of Greek production, New Artaki, Evia Island, Greece*

▪ February 1999 – June 2003

Chief Veterinarian and General Manager of the Poultry Production and Quality Control in **Angelakis S.A.**, *Poultry Production and Distribution Company, 5% share of Greek production, Chalkis, Evia Island, Greece*

▪ October 1994 – December 1998

Ph.D Student in the Department of Animal Health and Husbandry, School of Veterinary Science, Univ. of Bristol, UK.

Undergraduate teaching

- **October 2021-February 2025.** Postgraduate teaching in Animal: Ethics, Justice, Welfare, Department of Philosophy, NTUA, Athens.
 - Lectures: Ethics and Animals, Methodology of Scientific Research
- **September 2016-Present. New Curriculum** Animal Husbandry, Ethology, Welfare and related legislation I. Faculty of Veterinary Medicine, School of Health Sciences, University of Thessaly.
 - Lectures: Poultry husbandry and behavior - welfare.
- **September 2012-Present.** Animal Husbandry III – Poultry Management. Faculty of Veterinary Medicine, School of Health Sciences, University of Thessaly.
 - Lectures: Poultry husbandry: structure and importance of the industries, origin, classification, morphological characteristics, production traits, breeds, genetic improvement, production systems, relations between production systems, interactions with the environment, behavior and welfare, management of hatchery, broiler – breeder – layer farms, Welfare.
 - Practical training: Field visits in poultry farms – Discussion in managerial techniques, Estimation of physiologic behavior and indicators of welfare of poultry. Genetic improvement.
- **February 2008-Present.** Avian Pathology. Faculty of Veterinary Medicine, School of Health Sciences, University of Thessaly.
 - Lectures: Avian Pathology, Clinical Examination and Diagnosis, Treatment and Prevention, Metaphylaxis and Prophylaxis strategies.
 - Practical training: On farm disease cases – Field visits in poultry farms – Discussion of clinical cases - Diagnostic techniques
- **October 1995-June 1996.** Avian Pathology. Faculty of Veterinary Medicine, School of Health Sciences, University of Bristol.
 - Practical training: On farm disease cases – Field visits in poultry farms – Discussion of clinical cases - Diagnostic techniques

PhD thesis

- **Supervisor in the following research PhD projects:**
- “Antibiotic resistance and molecular epidemiology of *Campylobacter* spp in broiler flocks in Southern Greece” – Department of Poultry Disease, ANSES (France), Demetra and MAFF.

- “Effects of a multi-genus synbiotic on gut health, immunological response and performance in broiler breeders and their progeny” – Department of Poultry Diseases, BIOMIN (Austria).
- “Study of Avian pathogenic Escherichia coli (APEC) as a primary and secondary infectious agent in commercial layers and layer breeders” – Department of Poultry Diseases, Ceva BIOVAC (France).
- “Epidemiology and new methods of control for Gumboro Disease in layers” – Department of Poultry Diseases, Ceva Animal Health (France) – *In progress*.

Master thesis

- **Supervisor** in the following research Master projects:
- “Intellect, pain and emotions in fish. Electro-anesthesia as a stress reduction factor during the culling of farmed Mediterranean marine fish in Greece” – Department of Philosophy, NTUA, Athens.
- “The use of antibiotics in modern poultry farming and ways to reduce their use” – Department of Medicine, University of Thessaly.

Master thesis

- **Co-Supervisor** in the following research Master projects:
- “Running a poultry farm. Changes in management through the implementation of welfare rules” – Department of Philosophy, NTUA, Athens.
- “The sterilization of companion animals from the perspective of ethics, well-being and the respective legal framework” – Department of Philosophy, NTUA, Athens.
- “Management of Stray Animals by Municipalities. Case Study: Operational plan of the Municipality of Tyrnavos for the management of stray pets according to Law 4830/2021” – Department of Philosophy, NTUA, Athens.

PUBLICATIONS

Books / Booklets / Chapters in books

1. Koutoulis K.C. (1998). PhD Thesis: ‘*The effects of dietary calcium intake, absorption and age at sexual maturity on bone strength of battery caged laying hens*’. School of Veterinary Medicine, University of Bristol, UK.
2. Koutoulis K.C. (2014). Editor and Translation in Greek of ‘*Coccidiosis lesion scoring*’ by Dr. Imre Horvath-Papp, sponsored by Elanco Hellas AEVE.
3. Koutoulis K.C., Sossidou E., Natsos G. (2015). Manual of Good Manufacturing Practices: *Campylobacter* spp – from farm to slaughter. Editors: Sossidou E. & Koutoulis K.C. (1st Edition). University of Thessaly, Nov 2015, Publ.House: Kyzikos, Athens, Greece, ISBN: 978-960-93-7545-0.
4. Koutoulis Konstantinos, Franzo Giovanni, Cecchinato Mattia, Tsiouris Vasilios (2022). Guest Editor in: “Trends in Poultry Diseases”. Veterinary Sciences, MDPI. https://www.mdpi.com/journal/vetsci/special_issues/poultry_diseases
5. Koutoulis Konstantinos, Kamran Zahid, Ahmad Shakeel, Koutsianos Dimitris (2023). Guest Editor in: “Diseases in Poultry: Advances in Nutrition and Vaccines”. Animals, MDPI. https://www.mdpi.com/journal/animals/special_issues/Nutrition_and_Vaccines
6. Koutoulis Konstantinos, Legnardi Matteo, Cecchinato Mattia, Lupini Katerina (2023). Editor in: “Advances in Diagnosis and Control of Poultry Viral Diseases”. Frontiers in Veterinary Sciences, Frontiers. <https://loop.frontiersin.org/people/1370045/editorial>
7. Shakeel Ahmad, Zahid Kamran and Konstantinos C. Koutoulis (2017). Supplemental Linseed on Egg Production. In: Patricia Hester, Editors: Egg Innovation and Strategies for Improvement, Oxford: Academic Press; 2017, p. 347-364. ISBN:978-0-12-800879-9, © Copyright 2017 Elsevier Inc., Academic Press.
8. Niki Mouttotou, Shakeel Ahmad, Zahid Kamran and Konstantinos C. Koutoulis (2017). Prevalence, Risks and Antibiotic Resistance of Salmonella in Poultry Production Chain, Current Topics in Salmonella and Salmonellosis, Associate Prof. Mihai Mares (Ed.), InTech, DOI: 10.5772/67438. Available from: <https://www.intechopen.com/books/current-topics-in-salmonella-and-salmonellosis/prevalence-risks-and-antibiotic-resistance-of-salmonella-in-poultry-production-chain>.
9. Shakeel Ahmad and Konstantinos C. Koutoulis (2016) Poultry production in Saudi Arabia. *Zootechnica International*. <https://zootecnicainternational.com/field-reports/poultry-production-saudi-arabia/>.
10. Pellattiero E., Tucciarone C. M., Franzo G., Berto G., Koutoulis K., Meini A., Zangrandi C., Ramon G., Drigo M., Cecchinato M (2019) Evaluation of unintended Infectious Bronchitis 1/96 vaccine transmission in broilers after direct contact with vaccinated ones. *Veterinarni Medicina* 63, 2018 (06): 287–291. Ergomix. https://en.engormix.com/poultry-industry/articles/evaluation-unintended-infectious-bronchitis-t43991.htm?utm_source=notification&utm_medium=email&utm_campaign=0-0-0
11. Koutsianos Dimitris, Gantelet Hubert, Franzo Giovanni, Lecoupeur Mathilde, Thibault Eric, Cecchinato Mattia, Koutoulis Konstantinos C (2020) An assessment of the level of protection against colibacillosis conferred by several autogenous and/or commercial vaccination programs in conventional pullets upon experimental challenge. In Ergomix: <https://en.engormix.com/poultry-industry/bacterial-diseases-poultry/assessment-level-protection->

against_a45717/

12. Koutoulis K.C. (2015) Proceedings of closing meeting “Campylobacter spp. In food chain of broilers: evaluation and risk management for public health” organized by Department of Poultry Diseases, University of Thessaly (12 November 2015, Karditsa).
13. Konstantinos Koutoulis (2023) Turning to poultry farming as a way out. Published by New Agriculture New Generation: After the storm – Steps towards rebuilding the agri-food sector in Thessaly in the aftermath of "Daniel." Collective publication, Oct. 23, Athens. Stavros Niarchos Foundation.

Papers in peer reviewed journals

1. Mirel Enache, Mihai Pirvulet, Guillermo Gonzalez Garcia, Mathilde Lecoupeur, Higor Cotta, Konstantinos Koutoulis (2024) Control of Field Infectious Bronchitis Virus Genotype GI-23 (Variant 2) Using Combined Heterologous Vaccine Genotype Strains GI-13 (1/96) and GI-1 (H120). J. World Poult. Res., 14(2): 138-145.
2. Papatsiros, Vasileios G, Papakonstantinou, Georgios I, Meletis, Eleftherios, Koutoulis, Konstantinos, Athanasakopoulou, Zoi, Maragkakis, Georgios, Labronikou, Georgia, Terzidis, Ilias, Kostoulas, Polychronis, Billinis, Charalambos (2023) Seroprevalence of Swine Influenza A Virus (swIAV) Infections in Commercial Farrow-to-Finish Pig Farms in Greece, Veterinary Sciences, 10:599.
3. Legnardi, Matteo, Franzo, Giovanni, Tucciarone, Claudia Maria, Koutoulis, Konstantinos, Cecchinato, Mattia (2023) Infectious bursal disease virus in Western Europe: The rise of reassortant strains as the dominant field threat, Avian Pathology, 52 (1) 25-35.
4. Ahmad, S, Kamran, Z, Yousaf, M, Ali, S, Ahmed, I, Ahmad, HI, Koutoulis, KC, (2022) Effect of feeding linseed oil and vitamin a on production performance, egg characteristics and egg yolk fatty acids in laying hens under sub-tropical conditions", Animal Nutrition and Feed Technology, 22 (2) 311-324.
5. Prentza, Zoi, Castellone, Francesco, Legnardi, Matteo, Antlinger, Birgit, Segura-Wang, Maia, Kefalas, Giorgos, Fortomaris, Paschalis, Argyriadou, Angeliki, Papaioannou, Nikolaos, Stylianaki, Ioanna, Franzo, Giovanni, Cecchinato, Mattia, Papatsiros, Vasileios, Koutoulis, Konstantinos (2022) Effects of a multi-genus synbiotic (PoultryStar® sol) on gut health and performance of broiler breeders, J. World Poultry Research, 12:212-229.
6. Prentza, Zoi, Castellone, Francesco, Legnardi, Matteo, Antlinger, Birgit, Segura-Wang, Maia, Kefalas, Giorgos, Papaioannou, Nikolaos, Stylianaki, Ioanna, Papatsiros, Vasileios G, Franzo, Giovanni, Cecchinato, Mattia, Koutoulis, Konstantinos (2022) Administration of a Multi-Genus Synbiotic to Broilers: Effects on Gut Health, Microbial Composition and Performance, Animals, 13:113.
7. Legnardi, Matteo, Franzo, Giovanni, Tucciarone, Claudia Maria, Koutoulis, Konstantinos, Duarte, Isabel, Silva, Marco, Le Tallec, Bertrand, Cecchinato, Mattia (2022) Detection and molecular characterization of a new genotype of infectious bursal disease virus in Portugal, Avian Pathology, 51 (1) 97-105.
8. Legnardi, Matteo, Cecchinato, Mattia, Homonnay, Zalan, Dauphin, Gwenaëlle, Koutoulis, Konstantinos

- C, Tucciarone, Claudia Maria, Franzo, Giovanni (2022) Viral subpopulation variability in different batches of Infectious bronchitis virus (IBV) vaccines based on GI-23 lineage: Implications for the field, *Virus Research*, 319: 198877.
9. Ramon, Gema, Legnardi, Matteo, Cecchinato, Mattia, Cazaban, Christophe, Tucciarone, Claudia Maria, Fiorentini, Laura, Gambi, Lorenzo, Mato, Tamas, Berto, Giacomo, Koutoulis, Kostas, Franzo, Giovanni (2022) Efficacy of live attenuated, vector and immune complex infectious bursal disease virus (IBDV) vaccines in preventing field strain bursa colonization: A European multicentric study", *Frontiers in Veterinary Science*, 9:978901.
 10. Koutsianos, D.; Athanasiou, L.V.; Mossialos, D.; Franzo, G.; Cecchinato, M.; Koutoulis, K.C. (2022) Investigation of Serotype Prevalence of *Escherichia coli* Strains Isolated from Layer Poultry in Greece and Interactions with Other Infectious Agents. *Vet. Sci.* 2022, 9, 152. <https://doi.org/10.3390/vetsci9040152>
 11. Kamran, Z., Ruby, T., Hussain, M., Ali, S., Ahmad, S., Abdullah, M., Sohail, MU., Koutoulis, KC., Ahmad, HI., Ahmed, I., Shahzad, M.I., Yousaf, M., Afzal, G. (2021) Comparative Efficacy of *Citrullus Colocynthis* Fruit Powder and Popular Antibiotic Growth Promoters in Broiler Diet, *Animal Nutrition and Feed Technology*, 21:421-428.
 12. Kamran, Z., Ali, S., Ahmad, S., Sohail, MU., Koutoulis, KC., Lashari, MH., Shahzad, MI., Chaudhry, HR. (2021) Efficacy of Mannan-Oligosaccharides as Alternatives to Commonly Used Antibiotic Growth Promoters in Broilers, *Animal Nutrition and Feed Technology*, 21:523-532.
 13. George Natsos, Niki K Mouttoutu, Emmanouil Magiorkinis, Anastasios Ioannidis, Maria Magana, Stylianos Chatzipanagiotou, Konstantinos C Koutoulis (2021) Antimicrobial Resistance, FlaA Sequencing, and Phylogenetic Analysis of *Campylobacter* Isolates from Broiler Chicken Flocks in Greece. *Veterinary Sciences* 8 (5) 68.
 14. Dimitrios Koutsianos, Labrini V Athanasiou, Myrto Spyropoulou, Zoe Prentza, Anna Dedousi, Zoe Polizopoulou, Dimitris Mossialos, Konstantinos Koutoulis (2021) Evaluation of hematological variables in layer pullets after vaccination and challenge with *E. coli*. *Comparative Clinical Pathology* 30 (2): 113-118.
 15. Koutsianos Dimitrios, Athanasiou Labrini V, Dimitriou Tilemachos, Nikolaidis Marios, Tsadila Christina, Amoutzias Grigorios, Mossialos Dimitris, Koutoulis Konstantinos C (2021) Antibiotic Resistance Patterns and *mcr-1* Detection in Avian Pathogenic *Escherichia coli* Isolates from Commercial Layer and Layer Breeder Flocks Demonstrating Colibacillosis in Greece. *Microbial Drug Resistance* 27 (5): 710-720.
 16. Koutsianos, D., Athanasiou, L., Mossialos, D., & Koutoulis, K. (2020). Colibacillosis in poultry: A disease overview and the new perspectives for its control and prevention. *Journal of the Hellenic Veterinary Medical Society*, 71(4), 2425-2436.
 17. Tsiouris Vasileios, Kontominas Michael G, Filioussis Giorgos, Chalvatzi Sofia, Giannenas Ilias, Papadopoulos Georgios, Koutoulis Konstantinos, Fortomaris Paschalis, Georgopoulou Ioanna (2020) The Effect of Whey on Performance, Gut Health and Bone Morphology Parameters in Broiler Chicks. *Foods* 9 (5) 588.

- 18.Koutsianos Dimitris, Gantelet Hubert, Franzo Giovanni, Lecoupeur Mathilde, Thibault Eric, Cecchinato Mattia, Koutoulis Konstantinos C (2020) An assessment of the level of protection against colibacillosis conferred by several autogenous and/or commercial vaccination programs in conventional pullets upon experimental challenge. *Veterinary Sciences* 7 (3) 80.
- 19.Franzo Giovanni, Prentza Zoi, Paparounis Thomas, Tsiouris Vasilios, Centonze Giovanni, Legnardi Matteo, Catelli Elena, Tucciarone Claudia Maria, Koutoulis Konstantinos, Cecchinato Mattia (2020) Molecular epidemiology of fowl adenoviruses in Greece. *Poultry Science* 99 (11): 5983-5990.
- 20.Natsos George, Mouttotou Niki K, Magiorkinis Emmanouil, Ioannidis Anastasios, Rodi-Burriel Aggeliki, Chatzipanagiotou Stylianos, Koutoulis Konstantinos C (2020) Prevalence of and Risk Factors for *Campylobacter* spp. Colonization of Broiler Chicken Flocks in Greece. *Foodborne Pathogens and Disease* 17 (11): 679-686.
- 21.Franzo Giovanni, Swart Wessel, Ugalde Miren Arbe, Cotta Higor, Lecoupeur Mathilde, Boyer William, Koutoulis Kostas, Cecchinato Mattia (2020) Impact of Rotten Eggs on Hatchery Performances: A Multicentric Study, *Animals* 10 (10) 1725.
- 22.Giovanni Franzo, Wessel Swart, William Boyer, Daniela Pasotto, Gema Ramon, Kostas Koutoulis, Mattia Cecchinato. (2019) No good vaccination quality without good control: The positive impact of a hatchery vaccination service program. *Poultry Science* 99 (6):2976-2982.
- 23.Matteo Legnardi, Giovanni Franzo, Konstantinos C. Koutoulis, Marek Wiśniewski, Elena Catelli, Claudia Maria Tucciarone, Mattia Cecchinato (2019) Vaccine or field strains: the jigsaw pattern of infectious bronchitis virus (IBV) molecular epidemiology in Poland. *Poultry Science* Dec 2019, 98 (12): 6388-6392.
- 24.S. Ahmad, M. Yousaf, Z. Kamran, M.U. Sohail, M.N. Tahir, K.C. Koutoulis, A. Manzoor (2019) Effects of Supplementing Various Linoleic to α -linolenic Acid Ratios and Vitamin A on Production Performance and Egg Characteristics of Laying Hens during Summer Months. *Journal of Zoological Research*, Vol 01, Issue 01.
- 25.S. Ahmad, M. Yousaf, Z. Kamran, M.U. Sohail, M.N. Tahir, K.C. Koutoulis, S. Ali and A. Manzoor (2019) Effects of supplementing different linoleic to α -linolenic acid ratios and vitamin A on performance and egg quality characteristics of laying hens during summer months. *Animal Nutrition and Feed Technology* Vol 19, Issue 01, pp. 101-110.
- 26.Marianna Andreopoulou, Giovanni Franzo, Claudia M. Tucciarone, Zoi Prentza, Konstantinos C. Koutoulis, Mattia Cecchinato, Ilias Chaligiannis (2019) Molecular epidemiology of Infectious bronchitis virus and Avian metapneumovirus in Greece. *Poultry Science* 2019, 98 (11): 5374-5384.
- 27.Natsos G., Mouttotou N.K., Ahmad S., Kamran Z., Ioannidis A., Koutoulis K.C. (2019) The genus *Campylobacter*: detection and isolation methods, species identification & typing techniques. *Journal of the Hellenic Veterinary Medical Society* 70 (1) 1327-1338.
- 28.Claudia M Tucciarone, Giovanni Franzo, Alice Bianco, Giacomo Berto, Gema Ramon, Pascal Paulet, Konstantinos C. Koutoulis, Mattia Cecchinato. (2018) Infectious bronchitis virus gel vaccination: evaluation of Mass-like (B-48) and 793/B-like (1/96) vaccine kinetics after combined administration at 1 day of age. *Poultry Science* 97:3501–3509.
- 29.Franzo Giovanni, Pellattiero Erika, Tucciarone Claudia Maria, Berto Giacomo, Koutoulis Kostas, Meini

- Amelio, Zangrandi Claudio, Ramon Gema, Drigo Michele, Cecchinato Mattia (2018). Evaluation of unintended Infectious Bronchitis 1/96 vaccine transmission in broilers after direct contact with vaccinated ones. *Veterinari Medicina* 63, (06): 287–291.
30. Tucciarone Claudia Maria, Franzo Giovanni, Berto Giacomo, Drigo Michele, Ramon Gema, Koutoulis Konstantinos C., Catelli Elena, Cecchinato Mattia (2018). Evaluation of 793/B-like and Mass-like vaccine strain kinetics in experimental and field conditions by Real-Time RT-PCR quantification. *Poultry Science* 1;97(1):303-312.
31. Chacher, M., Kamran, Z., Ahsan, U., Ahmad, S., Koutoulis, K., Qutab Ud Din, H., & Cengiz, Ö. (2017). Use of mannan oligosaccharide in broiler diets: An overview of underlying mechanisms. *World's Poultry Science Journal* 73 (4): 831-844.
32. Giovanni Franzo, Claudia Maria Tucciarone, Mirel Enache, Violeta Patru, Gema Ramon, Konstantinos C. Koutoulis and Mattia Cecchinato (2017). First report of avian Metapneumovirus subtype B field strain in a Romanian broiler flock during an outbreak of respiratory disease. *Avian Dis* 61(2):250-254.
33. J. I. Sultan, Z. Iqbal, Z. Kamran, A. Shahid, R. Ali, S. Ahmad, A. Ali, K. C. Koutoulis, M. I. Shahzad, U. Ahsan, and I. Shahid (2017). Effect of corn replacement with enzose (corn dextrose) on growth performance and nutrient digestibility in broilers. *J Appl Poult Res*, Vol.26 (3): 383-390.
34. Z. Kamran, M. Sarwar, M. Nisa, M. A. Nadeem, S. Ahmad, H. Nawaz, K. Koutoulis, M. U. Sohail, Z. Iqbal, M. I. Shahzad (2016). Nutrients retention, nitrogen excretion, litter composition and plasma biochemical profile in broilers fed low crude protein diets with constant metabolizable energy to crude protein ratio. *Archiva Zootechnica*, 19(2):77-89.
35. S. Liaqat, S. Mahmood, S. Ahmad, Z. Kamran, K. C. Koutoulis (2016). Replacement of canola meal with *Moringa oleifera* leaf powder affects performance and immune response in broilers. *J Appl Poult Res*, 25 (3): 352-358.
36. Natsos G., Koutoulis K.C., Sossidou E., Chemaly M., Mouttotou N.K. (2016) *Campylobacter* spp. infection in humans and poultry. *Journal of the Hellenic Veterinary Medical Society*, 67 (2) 65-82.
37. Koutoulis K.C., Pappas I., Filioussis G., Athanasiou L. (2015) Pharmacokinetics And Clinical Assessment Of Amoxicillin For The Control Of Necrotic Enteritis In Broiler-Breeders Under Field Conditions. *Avian Biology Research* 8 (2) 89-96.
38. Koutoulis K.C., Horvath-Papp I., Tontis D., Papaioannou N., Evangelou K. (2014) An outbreak of Avian Encephalomyelitis in broilers in Greece. *Journal of the Hellenic Veterinary Medical Society* 66 (2) 91-98.
39. Koutoulis K.C., Kefalas G., Mouttotou N., De Gussem K., Theodosiou D. (2013) Efficacy of tylosin tartrate on *Mycoplasma* infections and Eggshell Apex Abnormalities in layer hens under field conditions. *American Journal of Animal and Veterinary Sciences*, 8 (4) 246-252.
40. Koutoulis K.C., Kefalas G., Minos E. (2013) Salinomycin toxicosis in broiler breeders and Turkeys: Report of the first case. *American Journal of Animal and Veterinary Sciences*, 8 (4) 190-196.
41. Papatsiros V.G., Katsoulos P.D., Koutoulis K.C., Karatzia M., Dedousi A., Christodouloupoulos G. (2013) Alternatives

to antibiotics for farm animals. CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources 04/2013 8:32.

42. Koutoulis K.C., Kyriazakis I., Perry G.C., Lewis P.D. (2009) Effect of different calcium sources and calcium intake on shell quality and bone characteristics of laying hens at sexual maturity and end of lay. *International Journal of Poultry Science*, 8 (4): 342-348.
43. Koutoulis K.C. (2009) Osteopenia: a disease of laying hens with major impact on production and welfare. *Journal of the Hellenic Veterinary Medical Society*, 1: 51-62.
44. Lewis P.D., Perry G.C., Koutoulis K.C. (1998) Correlations between yolk size and age, egg weight or body weight at sexual maturity. *British Poultry Science*, 39: 54-56.
45. Koutoulis K.C., Perry G.C., Lewis P.D. (1997) Effect of lighting regimen, calcium supply and age at first egg on tibia stiffness and breaking strength, and shell quality in laying hens. *British Poultry Science*, 38: 9-10.

Proceedings in national and international congresses – workshop

1. Koutoulis K. Efficacy and safety of Vector r-FP ILT + AE vaccine in chickens: 4 years of experience in Europe. XXIII International Congress of the World Veterinary Poultry Association, 6-10 Oct 2025, Kuching, Malaysia.
2. Koutsianos D., Athanasiou L., Polizopoulou Z., Prentza Z., Spyropoulou M., Dedousi A., Mossialos D., Koutoulis K. Serum electrophoretic patterns in layers: impact of intratracheal challenge with pathogenic *Escherichia coli* and different vaccination schemes. XXIII International Congress of the World Veterinary Poultry Association, 6-10 Oct 2025, Kuching, Malaysia.
3. Prentza Z., Eliopoulos C., Polychronidou N., Psalla D., Koutoulis K., Papakonstantinou G., Arapoglou D., Riahi I., Papatsiros V. The antioxidant and hepatoprotective effect of a novel antimycotoxin agent to mitigate the effects of tenuazonic acid in the liver of broilers. XXIII International Congress of the World Veterinary Poultry Association, 6-10 Oct 2025, Kuching, Malaysia.
4. Konopko B., Kwiatkowski T., Koutoulis K. Long-term serological studies of Infectious Bronchitis using different vaccination protocols in broiler flocks in Poland. XXIII International Congress of the World Veterinary Poultry Association, 6-10 Oct 2025, Kuching, Malaysia.
5. Koutoulis K., Koutsianos D., Sarabia J., Paulet P. Safety and efficacy of a combined vaccination scheme with genotype strains GI-13 (1/96) and GI-1 (B48) against Infectious Bronchitis during lay in commercial layers. XXIII International Congress of the World Veterinary Poultry Association, 6-10 Oct 2025, Kuching, Malaysia.
6. Koutsianos D., Christodoulou E., Stasinopoulou M., Minos E., Lisgara M., Koutoulis K. Serological evaluation of humoral immunity in commercial layers and layer breeders vaccinated against laryngotracheitis with the use of a vector vaccine (FP-ILT+AE) at the end of rearing period and during late production. XXIII International Congress of the World Veterinary Poultry Association, 6-10 Oct 2025, Kuching, Malaysia.
7. Jbenyeni A., Iskandar F., Paniago M., Sesti L., Banhidi G., Koutoulis K., Chen M., Cazaban C. Investigation of the respiratory co-infections in chickens in ten countries from four continents (2023/2024). XXIII International Congress

of the World Veterinary Poultry Association, 6-10 Oct 2025, Kuching, Malaysia.

8. Quaglia G., Lizzi G., Catelli E., Graziosi G., Di Francesco A., Salvatore D., Mescolini G., Blanco A., Becerra M., Ramon L., Prentza Z., Koutoulis K., Paparounis T., Lupini C. Exploring the genetic diversity of chicken Infectious Anemia virus across the mediterranean area. XXIII International Congress of the World Veterinary Poultry Association, 6-10 Oct 2025, Kuching, Malaysia.
9. Skulphuek C., Sarabia J., Duarte I., Koutoulis K. Broiler breeders vaccinated against Infectious Laryngotracheitis (ILT) and Avian Encephalomyelitis (AE) with a vector r-FP-ILT+ AE: Serological evaluation of duration of immunity during rearing and laying period. XXIII International Congress of the World Veterinary Poultry Association, 6-10 Oct 2025, Kuching, Malaysia.
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Total 103: Can be provided on request. Here, activities are given for the last three years.