

SHORT CURRICULUM VITAE

VASSILIOS D. DOTAS

Associate Professor
School of Agriculture
Aristotle University of Thessaloniki

A. PERSONAL INFORMATION

Name: Vassilios D. Dotas
Date of birth: 18 April 1980
Place of birth: Thessaloniki
Marital status: Married, father of two children
Position: Associate Professor of Farm Animal Nutrition
Director of the Laboratory of Nutrition Physiology & Applied Farm Animal Nutrition
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B. ACADEMIC TRAINING

- Diploma of the Faculty of Agriculture of the School of Geotechnical Sciences (BSc), in the field of Animal Production, Aristotle University of Thessaloniki, Greece, 2004. Grade: 8.61 (Excellent).
- Postgraduate Diploma of Specialization of the School of Agriculture (MSc), with specialization in Science of Animal Production, Aristotle University of Thessaloniki, Greece, 2006. Grade: 9.50 (Excellent).
- Postgraduate Diploma of Specialization of the School of Agriculture (PhD), with specialization in Science of Animal Production, Aristotle University of Thessaloniki, Greece, 2010. Grade: Excellent.

C. SCHOLARSHIPS & AWARDS

- Scholarship from “Greek Ministry of Education Scholarship” (“IKY”) during the 2nd, 3rd and 4th academic period of graduate studies for my performance.
- Award of distinction from “Greek Ministry of Education Scholarship” (“IKY”) at 3rd and 4th academic period of graduate studies.
- Scholarship from “Greek Ministry of Education Scholarship” (“IKY”) at 1st academic period of postgraduate studies.
- Scholarship from “Greek Ministry of Education Scholarship” (“IKY”) for postgraduate studies concerning PhD in section entitled “Farm Animal Nutrition and Environment”.

- Award of distinction by Research Committee of Aristotle University of Thessaloniki (Greece) for my performance during my PhD studies.
- Award of distinction by Research Committee of Aristotle University of Thessaloniki (Greece) for my performance during my Post-Doc research.

D. SCIENTIFIC MEMBERSHIPS

- Geotechnical Chamber of Greece
- Hellenic Society of Animal Production
- European Federation of Animal Science
- World's Poultry Science Association

E. WORK EXPERIENCE

- **2008-2017:** Scientific & Laboratory Fellow, Departments of Animal Production, Technological Educational Institutes of Sindos (Thessaloniki), Western Macedonia (Florina) and Epirus (Arta), Greece
- **2011-2012:** Agronomist, Hellenic Ministry of Agricultural Development and Food - “KEPPYEL”, Thessaloniki, Greece, as part of practical training
- **2013:** Agronomist/Feed formulation expert, Hellenic Feedstuff Industries (EL.VI.Z. S.A.)
- **2016-2019:** Researcher, Research Institute of Animal Science, Hellenic Agricultural Organization Demeter
- **2019-2024:** Assistant Professor, Department of Animal Production, School of Agriculture, Aristotle University of Thessaloniki
- **2024-present:** Associate Professor, Department of Animal Production, School of Agriculture, Aristotle University of Thessaloniki

F. TEACHING EXPERIENCE

1. Undergraduate Courses

- **2006:** as a PhD candidate, at Laboratory of Nutrition, Veterinary School, Aristotle University of Thessaloniki
- **2008-2017:** as Scientific & Laboratory Fellow, at Departments of Animal Production, Technological Educational Institutes of Sindos (Thessaloniki), Western Macedonia (Florina) and Epirus (Arta), Greece
- **2019-present:** as Teaching & Research Staff, at Laboratory of Nutrition Physiology & Applied Farm Animal Nutrition, School of Agriculture, Aristotle University of Thessaloniki, teaching the following courses:
 - Farm Animal Nutrition
 - Farm Animal Nutrition Physiology I
 - Farm Animal Nutrition Physiology II
 - Applied Ruminant Nutrition
 - Feed Description, Preservation & Technology
 - Grasslands - Grazings - Pasture Management
 - Applied Monogastric Nutrition
 - Applied Poultry Nutrition

2. Postgraduate Courses

- **2015-2023:** as an external partner, at former T.E.I. Sindos and now International Hellenic University (Department of Agriculture), teaching at the postgraduate program “Innovative Systems of Sustainable Agricultural Production”

G. RESEARCH ACTIVITY

1. Research interests

- Dietary feed evaluation
- Assessment of energy value and nutrient availability of various feeds
- Use of legumes in replacement of soya in the diet of farm animals
- Aromatic plants and their essential oils in farm animals’ nutrition
- Production of functional foods through interventions in livestock nutrition
- Evaluation of nutritive value, grazing capacity and stocking rate of pastures
- Effects of nutrition on the technical and economic efficiency of farm animal units

2. Participation in research projects (selected)

- **2004-2006**: *“Modern management techniques and applications of feed technology in broiler nutrition”*
- **2006-2008**: *“Utilization of abandoned and degraded soils of mountainous and semi-mountainous areas of the Prefecture of Thessaloniki, with cultivation of aromatic plants and use of the produced products for various uses (animal production, food industry, pharmaceutical etc.)”*
- **2008**: *“Improvement and management of pastures of the Municipality of Ellassona”*
- **2009-2010**: *“Aromatic plants and their essential oils, as alternative “additives” in the diet of farm animals and poultry in order to produce certified quality animal products in the Prefecture of Florina”*
- **2011**: *“Production of eggs enriched with omega-3 fatty acids and natural antioxidants of plant origin”* (code name of research proposal: “PUR-SALORE EGG”)
- **2012-2014**: *“Study of soybean replacement in the diet of sheep and goats of the Regional Unit of Florina”*
- **2013-2014**: *“Study of non-genetically modified protein fodder plants in cross-country pilot field experiments with the aim of applying the requirements of the standard AGRO 7 system”*
- **2015**: *“Assessment of grazing capacity in pastures of Northern Greece (Regional Unit of Florina) using geoinformatics techniques”*
- **2016-2017**: *“The incorporation of chelate trace elements in the diet of dairy ewes and the study of their effect on animal productivity and health & milk quality”*
- **2017-2018**: *“Pilot study to explore development strategies of the poultry industry in the Region of Epirus”*
- **2019-2020**: *“Structure of sheep and goat farms and development strategies of the sheep and goat industry in the Region of Epirus”*
- **2021**: *“Effect of Provigoro I4WA on health and performance of broiler chickens”*

- **2025:** “Sustainable utilization of shellfish and crustacean shells aiming at the development of innovative food ingredients and the improvement of animal welfare through their inclusion in feed”
- **2025:** “Research on the production of cow’s milk and dairy products naturally enriched with omega-3 and antioxidants through the utilization of by-products from the flora of Thessaly”

3. Books (co-author)

- “Introduction to Farm Animal Nutrition”
- “Breeding and Pathology of Mink and Fox”
- “Pig Farming”
- “Feed Description and Technology”

4. List of publications

I. Dissertations

1. **Dotas, V.**, 2004. Extracts of aromatic plants and “prebiotics” in replacement of antibiotics and anticoccidials in broilers’ diets. *BSc dissertation*.
2. **Dotas, V.**, 2006. Dietary evaluation of field pea beans (*Pisum sativum* L.) and their use in laying hens’ diets. *MSc dissertation*.
3. **Dotas, V.**, 2010. Energy metabolism, crude protein & amino acid bioavailability and exploitation of field pea seeds in broiler chickens’ & laying hens’ diets. *PhD dissertation*.

II. Publications in journals of S.C.I. (selected)

1. Nikolakakis, I., Banakis, D., Florou-Paneri, P., **Dotas, V.**, Giannenas, I. and N. Botsoglou, 2004. Effect of dried tomato pulp on performance and carcass characteristics of growing quails. *Archiv für Geflügelkunde*, 68(1): 34-38.
2. Botsoglou, N., Papageorgiou, G., Nikolakakis, I., Florou-Paneri, P., Giannenas, I., **Dotas, V.** and E. Sinapis, 2004. Effect of dietary dried tomato pulp on oxidative stability of Japanese quail meat. *Journal of Agricultural and Food Chemistry*, 52(10): 2982-2988.
3. Botsoglou, N., Florou-Paneri, P., Botsoglou, E., **Dotas, V.**, Giannenas, I., Koidis, A. and P. Mitrakos, 2005. The effect of feeding rosemary, oregano, saffron and α -tocopheryl

- acetate on hen performance and oxidative stability of eggs. *South African Journal of Animal Science*, 35(3): 143-151.
4. Botsoglou, N.A., Florou-Paneri, P., Nikolakakis, I., Giannenas, I., **Dotas, V.**, Botsoglou, E.N. and S. Aggelopoulos, 2005. Effect of dietary saffron (*Crocus sativus* L.) on the oxidative stability of egg yolk. *British Poultry Science*, 46(6): 701-707.
 5. Florou-Paneri, P., Dotas, D., Mitsopoulos, I., **Dotas, V.**, Botsoglou, E., Nikolakakis, I. and N. Botsoglou, 2006. Effect of feeding rosemary and α -tocopheryl acetate on hen performance and egg quality. *The Journal of Poultry Science*, 43(2): 143-149.
 6. Mountousis, I., **Dotas, V.**, Stanogias, G., Papanikolaou, K., Roukos, Ch. and D. Liamadis, 2011. Altitudinal and seasonal variation in herbage composition and energy and protein content of grasslands on Mt Varnoudas, NW Greece. *Animal Feed Science and Technology*, 164(3): 174-183.
 7. Nikolakakis, I., **Dotas, V.**, Kargopoulos, A., Hatzizisis, L., Dotas, D. and Z. Ampas, 2013. Effect of natural zeolite (clinoptilolite) on the performance and litter quality of broiler chickens. *Turkish Journal of Veterinary and Animal Sciences*, 37(6): 682-686.
 8. **Dotas, V.**, Bampidis, V.A., Sinapis, E., Hatzipanagiotou, A. and K. Papanikolaou, 2014. Effect of dietary field pea (*Pisum sativum* L.) supplementation on growth performance, and carcass and meat quality of broiler chickens. *Livestock Science*, 164: 135-143.
 9. **Dotas, V.**, Bampidis, V.A., Nikolakakis, I., Vatzias, G., Mitsopoulos, I., Hatzizisis, L. and D. Dotas, 2015. Effects of dietary dried mountain tea leaves (*Sideritis scardica* Griseb.) supplementation during late gestation and lactation on sow performance and offspring growth. *Journal of Environmental Protection and Ecology*, 16(4): 1589-1597.
 10. Zagorakis, K., Liamadis, D., Milis, Ch., **Dotas, V.** and D. Dotas, 2015. Nutrient digestibility and *in situ* degradability of alternatives to soybean meal protein sources for sheep. *Small Ruminant Research*, 124: 38-44.
 11. Kotsampasi, B., Christodoulou, C., Tsiplakou, E., Mavrommatis, A., Mitsiopoulou, C., Karaïskou, C., **Dotas, V.**, Robinson, P.H., Bampidis, V.A., Christodoulou, V. and G. Zervas, 2017. Effects of dietary pomegranate pulp silage supplementation on milk yield and composition, milk fatty acid profile and blood plasma antioxidant status of lactating dairy cows. *Animal Feed Science and Technology*, 234: 228-236.
 12. Zagorakis, K., Liamadis, D., Milis, C., **Dotas, V.** and D. Dotas, 2018. Effects of replacing soybean meal with alternative sources of protein on nutrient digestibility and energy value of sheep diets. *South African Journal of Animal Science*, 48(3): 489-496.

13. Kargopoulos, A., **Dotas, V.**, Giannenas, I. and E. Christaki, 2018. Effect of dietary rape seed meal on growth performance and meat quality of growing-fattening pigs. *South African Journal of Animal Science*, 48(5): 897-906.
14. Koidou, M., Mountousis, I., **Dotas, V.**, Zagorakis, K. and M. Yiakoulaki, 2019. Temporal variations of herbage production and nutritive value of three grasslands at different elevation zones regarding grazing needs and welfare of ruminants. *Archives Animal Breeding*, 62: 215-226.
15. Gourdouvelis, D., **Dotas, V.**, Kaimakamis, I., Zagorakis, K. and M. Yiakoulaki, 2019. Typology and structural characterization of suckler cow farming system in Central Macedonia, Greece. *Italian Journal of Animal Science*, 18(1): 1082-1092.
16. **Dotas, V.**, Gourdouvelis, D., Hatzizisis, L., Kaimakamis, I., Mitsopoulos, I. and G. Symeon, 2021. Typology, structural characterization and sustainability of integrated broiler farming system in Epirus, Greece. *Sustainability*, 13(23), 13084, <https://doi.org/10.3390/su132313084>.
17. Semos, N., **Dotas, V.** and S. Aggelopoulos, 2021. Factors that support the development of fur farms: the case study of Greece. *Journal of Experimental Biology and Agricultural Sciences*, 9(6): 894-900.
18. Schina, V., **Dotas, V.**, Gourdouvelis, D., Kaimakamis, I., Mitsopoulos, I., Tsakanikas, G. and V. Bampidis, 2022. A comparative assessment of two different methods, using devices Optiscan-TP and Optigrade-MCP, for predicting the lean meat percentage of pig carcasses in Greece in relation to the European reference method. *Journal of the Hellenic Veterinary Medical Society*, 73(4): 4913-4924.
19. Christodoulou, C., Mavrommatis, A., Loukovitis, D., Symeon, G., **Dotas, V.**, Kotsampasi, B. and E. Tsiplakou, 2023. Effect of spirulina dietary supplementation in modifying the rumen microbiota of ewes. *Animals*, 13(4), 740, <https://doi.org/10.3390/ani13040740>.
20. **Dotas, V.**, Gourdouvelis, D., Symeon, G., Hatzizisis, L., Mitsopoulos, I., Galamatis, D., Ioannidou, M. and E. Sossidou, 2023. Fatty acid profile and oxidative stability of layers' egg yolk as affected by dietary supplementation with fresh purslane and addition of aromatic plant essential oils to drinking water. *Sustainability*, 15(15), 11539, <https://doi.org/10.3390/su151511539>.
21. Taskesen, H.O., Bas, H., Boz, M.A., Sarica, M., Erensoy, K., **Dotas, V.** and G. Symeon, 2023. The effects of varying combinations of dietary selenium, vitamin E, and zinc supplements on semen characteristics and antioxidant enzyme activity of spermatozoa in 1-year-old native Turkish ganders. *Sustainability*, 15(19), 14083, <https://doi.org/10.3390/su151914083>.

22. Savvidou, S., Panteli, N., **Dotas, V.**, Symeon, G., Galamatis, D., Panitsidis, I., Voutsinou, E., Tatidou, C., Kumar, P., Antonopoulou, E., Michailidis, G. and I. Giannenas, 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*, 12(20), 3870, <https://doi.org/10.3390/foods12203870>.

III. Publications in international conference proceedings (selected)

1. Anastasiadou, M., Papigiotti, E., **Dotas, V.**, Garsen, A., Hatzizisis, L. and D. Dotas, 2008. Performance and carcass characteristics of broiler chickens as affected by the dietary supplementation of α -tocopheryl acetate, anise (*Pimpinella anisum* L.) and lemon balm (*Melissa officinalis* L.). “1st Mediterranean Summit of the WPSA - Advances and Challenges in Poultry Science, Porto Carras, Chalkidiki, Greece, May 2008”.
2. Galamatis, D., Dervisis, D., **Dotas, V.**, Aggelopoulos, S., Nikolakakis, I. and D. Dotas, 2008. Performance and carcass characteristics of broilers as affected by the replacement of antibiotics and anticoccidials with oregano essential oils, aromatic plants and prebiotics. “1st Mediterranean Summit of the WPSA - Advances and Challenges in Poultry Science, Porto Carras, Chalkidiki, Greece, May 2008”.
3. Garsen, A., **Dotas, V.**, Anastasiadou, M., Nikolakakis, I., Mitsopoulos, I. and D. Dotas, 2008. Performance and carcass characteristics of broilers as affected by the replacement of soybean meal with chickpea (*Cicer arietinum* L.). “1st Mediterranean Summit of the WPSA - Advances and Challenges in Poultry Science, Porto Carras, Chalkidiki, Greece, May 2008”.
4. **Dotas, V.**, Hatzipanagiotou, A. and K. Papanikolaou, 2010. Metabolizable energy and amino acid bioavailability of field pea seeds in broilers’ diets. “61st Annual Meeting of the EAAP - Impact of Food Demand, in Quantity and Quality Wise, on Animal Production, Heraklion, Greece, August 2010”.
5. Marinopoulos, G., **Dotas, V.**, Sossidou, E., Ioannidou, M., Samouris, G., Zdragas, A. and D. Dotas, 2012. Egg quality traits of layers as affected by the in-water supplementation with essential oils of aromatic plants. “3rd Mediterranean Poultry Summit of the WPSA & 6th International Poultry Conference of the EPSA, Alexandria, Egypt, March 2012”.
6. **Dotas, V.**, Sossidou, E., Marinopoulos, G., Samouris, G., Zdragas, A., Ioannidou, M. and K. Papanikolaou, 2012. Effect of laying hen dietary supplementation with purslane (*Portulaca oleracea* L.) leaves and stems on egg quality. “3rd Mediterranean Poultry Summit of the WPSA & 6th International Poultry Conference of the EPSA, Alexandria, Egypt, March 2012”.

7. **Dotas, V.**, Marinopoulos, G., Sossidou, E., Mitsopoulos, I., Hatzizisis, L. and K. Papanikolaou, 2012. Fatty acid profile and oxidative stability of egg yolk as affected by the supplementation of layer diet with purslane (*Portulaca oleracea* L.) and essential oils of aromatic plants. “*3rd Mediterranean Poultry Summit of the WPSA & 6th International Poultry Conference of the EPSA, Alexandria, Egypt, March 2012*”.
8. Mitsopoulos, I., Ragkos, A., **Dotas, V.**, Skapetas, V., Bampidis, V., Lagka, V. and Z. Abas, 2013. The milking profile of dairy cattle farms in Central Macedonia (Greece). “*International Scientific Symposium on Bioengineering of Animal Resources 2013, Timisoara, Romania, May 2013*”.
9. Kotsampasi, B., Christodoulou, C., Bampidis, V.A., Theophilou, N., **Dotas, V.** and V. Christodoulou, 2017. The use of palygorskite on lactating ewes nutrition. “*XII International Conference on Feed Safety and Production Efficiency - Kábrt's Dietetic Days, Brno, Czech Republic, April 2017*”.
10. Gourdouvelis, D., Mitsopoulos, I., **Dotas, V.**, Tsiouni, M. and V. Bampidis, 2022. The exploitation of grazing lands with suckler cows in the Region of Central Macedonia, Greece. “*Multidisciplinary Conference on Sustainable Development, Timisoara, Romania, May 2022*”.

5. Reviewer in international scientific journals

- Agricultural Economics Review
- Agriculture
- Animal Feed Science and Technology
- Animals
- Antioxidants
- Food and Public Health
- Frontiers in Veterinary Science
- Genes
- Italian Journal of Animal Science
- Journal of the Hellenic Veterinary Medical Society
- Livestock Science
- Metabolites
- Microorganisms
- Small Ruminant Research
- Sustainability
- Veterinary Sciences