

## CURRICULUM VITAE

SOTIRIA VOURAKI

ASSISTANT PROFESSOR ON TENURE

DEPARTMENT OF AGRICULTURE, SCHOOL OF AGRICULTURE, UNIVERSITY OF IOANNINA

### PERSONAL DATA

First name: Sotiria

Last name: Vouraki

Father's name: Georgios

Place and date of birth: Patra, 11 June 1991

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### EDUCATION - CAREER

1. In 2009, I graduated from the 7<sup>th</sup> Lyceum of Patras with an overall grade of "Honours" (19.6/20). After participating in the Panhellenic exams, I was admitted to the School of Veterinary Medicine of the Aristotle University of Thessaloniki.
2. I completed my studies and graduated in July 2014, with a grade of " Honours " (8.56).
3. During the period July - August 2011, I worked (without payment) at the Equestrian Club in Platani, Rio, Patras, as part of the internship provided for the students of the School of Veterinary Medicine, Aristotle University of Thessaloniki.
4. During the period July - August 2013, I worked (without payment) at a Veterinary Clinic in Patras, as part of the internship provided for the students of the School of Veterinary Medicine, Aristotle University of Thessaloniki.
5. In 30/10/2015, I started my PhD Thesis entitled «Assessment of the production traits of goats resistant to classical scrapie», in the Laboratory of Animal Husbandry, School of Veterinary Medicine, Aristotle University of Thessaloniki.
6. In 19/12/2021, I defended my PhD Thesis.
7. In 21/07/2020, I was awarded a PhD, School of Veterinary Medicine, Aristotle University of Thessaloniki, with a grade of "Honours".
8. In 26/01/2024, I was appointed Assistant Professor on tenure at the Department of Agriculture of the University of Ioannina with the subject "Small Ruminant Husbandry and Genetic Improvement".

### QUALIFICATIONS

1. 07/2014: **Doctor of Veterinary Medicine (DVM)**

*School of Veterinary Medicine, Faculty of Health Sciences, Aristotle University of Thessaloniki, Greece*

Grade: **Honours (8.56)**

2. 21/07/2020: **PhD**

*School of Veterinary Medicine, Faculty of Health Sciences, Aristotle University of Thessaloniki, Greece*

Grade: **Honours**

PhD Thesis Title: Assessment of the production traits of goats resistant to classical scrapie.

### **FURTHER TRAINING AND WORKSHOPS**

1. 12/05/2015 – 14/05/2015: Training School - **Non-destructive on-line technologies to determine quality of meat and meat products: functioning principles and chemometrics**  
*IRTA, Monells and Girona, Spain*
2. 06/11/2017 – 10/11/2017: Workshop - **Landscape Genomics**  
*Physalia-courses, Berlin, Germany*
3. 17/04/2018 – 18/04/2018: Training school - **Measurement methods to quantify ammonia and greenhouse gases emissions at different scales and with different aims**  
*Agroscope, Tanikon, Switzerland*
4. 04/2018 - 06/2018: Postgraduate studies – **Implementation of biotechnology in reproduction of farm animals**  
*School of Agriculture, Aristotle University of Thessaloniki, Greece*
5. 22/10/2018 – 26/10/2018: Workshop - **GENOME-WIDE SIGNATURES OF SELECTION AND ASSOCIATION STUDIES**  
*Physalia-courses, Berlin, Germany*
6. 11/2018 – 01/2019: Postgraduate studies - **Biostatistics – Research methodology – Presentation of scientific subjects**  
*School of Veterinary Medicine, Faculty of Health Sciences, Aristotle University of Thessaloniki, Greece*
7. 13/01/2020 – 14/01/2020: Training course - **Innovation to enhance the sustainability of sheep and goat production systems**  
*Thessaloniki, Greece*
8. 14/01/2020 – 15/01/2020: Workshop - **Innovations and policy initiatives to improve the sustainability of sheep and goat systems**  
*Thessaloniki, Greece*
9. 03/05/2022 – 28/06/2022: Training – **Biosecurity training of Biocheck.UGent**  
*Ghent University, Belgium*
10. 27/03/2023 – 30/03/2023: Summer school - **Using genetics and modelling to improve resilience and efficiency in small ruminants**  
*Toulouse, France*

## **SCHOLARSHIPS**

1. 01/10/2016 – 30/09/2019: **PhD Scholarship from Onassis Foundation** (G ZM 010-1/2016-2017, <http://www.onassis.org/>)

## **TEACHING EXPERIENCE**

1. 02/2024 – today: Assistant Professor – Undergraduate Studies

*Department of Agriculture, School of Agriculture, University of Ioannina, Greece*

### Subjects:

- Pathology of farm animals – Practicals (spring semester of academic year 2023-2024)

2. 17/03/2021 – 30/06/2021 & 26/10/2021 – 30/06/2022 & 01/12/2022 - 30/06/2023: **Teacher by Contract - Academic Fellow - Undergraduate studies**

*Department of Agriculture, School of Agriculture, University of Ioannina, Greece*

### Subjects:

- Cattle production – Lectures & Practicals (spring semester of academic year 2020-2021)
- Genetic improvement – Lectures & Practicals (winter semester of academic year 2021-2022)
- Reproduction of farm animals – Lectures & Practicals (winter semester of academic year 2021-2022)
- Pathology of farm animals – Practicals (spring semester of academic years 2021-2022 and 2022-2023)
- Animal Husbandry – Lectures & Practicals (spring semester of academic years 2021-2022 and 2022-2023)
- Physiology – Practicals (spring semester of academic year 2021-2022)
- Reproduction technologies of farm animals – Lectures & Practicals (winter semester of academic year 2022-2023)
- Sheep and goat production – Lectures & Practicals (winter semester of academic year 2022-2023)
- Genetic engineering – Lectures & Practicals (winter semester of academic year 2022-2023)
- Poultry production – Lectures & Practicals (spring semester of academic year 2022-2023)

3. 14/05/2021 – 27/08/2021: **Teacher by Contract - PD407 - Undergraduate studies**

*School of Veterinary Medicine, Faculty of Health Sciences, Aristotle University of Thessaloniki, Greece*

### Subjects:

- General animal husbandry
- Animal husbandry II

4. 02/04/2022 – 27/05/2022: **Teacher by Contract - Postgraduate studies – master**

*Department of Agriculture, School of Geotechnical Sciences, International University of Greece*

### Subjects:

- Use of new technologies in animal production
- Modern farm animal reproduction technologies

## **RESEARCH EXPERIENCE**

1. 05/03/2015 – 26/11/2015: Researcher in the project – **“Development of methodology using best management practices for improving the functioning and efficiency of milking parlours”**

*AUTH Research Committee, Thessaloniki, Greece*

Position details: Recording of milking parlours and milking procedure in sheep and goat farms with the use of designated questionnaires. Implementation of management interventions.

2. 19/03/2015 – 30/06/2015: Researcher in the project – **“Development and assessment of equipment and construction issues for the sustainable sheep and goat production”**

*AUTH Research Committee, Thessaloniki, Greece*

3. 09-09-2015 - 30/09/2016: Researcher in the project – **“Assessment of management practices and providing veterinary support in sheep and goat farms”**

*AUTH Research Committee, Thessaloniki, Greece*

Position details: Recording of major farm problems and provision of technical support to farms which will be indicated.

4. 01/04/2016 – 30/09/2016 & 01/09/2017 – 31/10/2017 & 11/12/2019 – 29/02/2020: Researcher in the H2020 EU funded research project **“Innovation for sustainable sheep and goat production in Europe”** (iSAGE, <https://www.isage.eu/>)

*AUTH Research Committee, Thessaloniki, Greece*

Position details:

5. 01/04/2016 – 30/09/2016: D.1.1 – D1.2/ Sustainability and innovation assessment in sheep and goat farms (for WP: Holistic Sustainability Assessment). D2.1/ Sustainability and innovation assessment in sheep and goat farms (for WP: Socio-economics, demographics and consumer trends)

6. 01/09/2017 – 31/10/2017: D2.2 – D2.3/ Questionnaires with farmers and consumers (for WP: Socio-economics, demographics and consumer trends)

7. 11/12/2019 – 29/02/2020: Development of management tools and apps to help farmers make informed decisions, assessment of innovations in studied farms and identification of best practices to help the dairy sheep and goat sector.

5. 27/11/2019 – 31/12/2019 & 01/03/2020 – 30/04/2020 & 16/09/2020 – 31/12/2020 & 01/01/2021 – 31/10/2022: Researcher in the H2020 EU funded research project **“SMAll RuminanTs breeding for Efficiency and Resilience”** (SMARTER, <https://www.smarterproject.eu/>)

*AUTH Research Committee, Thessaloniki, Greece*

Position details:

- 27/11/2019 – 31/12/2019: Collection of phenotypic data. Samplings in sheep farms (deliverable D4.1).
- 01/03/2020 – 30/04/2020: Collection of phenotypic data. Samplings in sheep farms. Laboratory analyses and editing of phenotypic and genetic data (deliverable D4.1).

- 16/09/2020 – 31/12/2020: Assessment of health and welfare traits from goat farms and analysis of existing data. Interviews with farmers (deliverables D2.1, D2.3, D7.1, D7.2) at the framework of WPs: “Balanced breeding goals for agroecological resilience, Novel resilience traits to improve health and welfare”.
- 01/01/2021 – 31/10/2022: Collection of feed efficiency phenotypes and other economically important animal traits. Assessment of health and welfare traits from goat farms and analysis of existing data. Assessment of sheep grazing behaviour in semi-extensive flocks with the use of new technologies (GPS tracking). Interviews with farmers (deliverables D.1.1, D1.2, D1.4, D2.1, D2.3, D2.4, D7.1, D7.2) in the framework of WPs: Balanced breeding goals for agroecological resilience, Novel resilience traits to improve health and welfare, Novel traits to improve resource use efficiency.

6. 17/11/2020 – 31/05/2021: Researcher in the Interreg V-A project **“Fauna Assessment and management to safeguard Biodiversity in cross-border mountainous areas of Bulgaria and Greece: Innovative approaches to estimate monitor and protect biodiversity in local ecosystems”** (<https://bioinnovate.eu/>, INTERREG V-A “Greece-Bulgaria 2014-2020”)

*AUTH Research Committee, Thessaloniki, Greece*

Position details: Development of a leaflet and a booklet with results of the project which will be children friendly education material regarding biodiversity in the cross-border area of Bulgaria and Greece: Innovative practices for studying and protecting biodiversity in local ecosystems.

7. 17/12/2020 – 16/06/2021: Researcher in the project **“Legumes4Protein”** co-financed by the European Regional Development Fund of the European Union and Greek national funds through the Operational Program Competitiveness, Entrepreneurship and Innovation, under the call RESEARCH – CREATE – INNOVATE (<http://www.legumes4protein.gr/el/>).

*AUTH Research Committee, Thessaloniki, Greece*

Position details: Contribution in the nutritional experiment regarding the use of legumes in sheep nutrition (deliverables 5.18, 5.19).

8. 10/05/2021 – 30/11/2022: Researcher in the project **“Development of an integrated milk management system, using new technologies, for quality assurance and milk product traceability in the milk industry”** co-financed by the European Regional Development Fund of the European Union and National Funds through the operational program “Western Macedonia 2014-2020”

*AUTH Research Committee, Thessaloniki, Greece*

Position details: Data collection regarding farm characteristics with the use of questionnaires, assessment of animal health and welfare indicators, milk and feed samplings and input of data in a database. Contribution in the report for the sustainability of dairy sheep farms. Contribution in the making of a guide towards holistic sheep and goat farm management and production of high-quality milk (deliverables .1.2, 1.3, 4.1).

9. 14/04/2022 – 30/11/2022: Researcher in the project **“Development and application of edible intramammary teat sealant for the improvement of sheep udder health”** co-financed by the European Regional Development Fund

of the European Union and Greek national funds through the Operational Program Competitiveness, Entrepreneurship and Innovation, under the call RESEARCH – CREATE – INNOVATE.

*AUTH Research Committee, Thessaloniki, Greece*

Position details: Assessment of animal health and welfare indicators and udder traits of sheep. Collection of biological samples from the ewes of the experimental flock, assessment of udder health and contribution in the laboratory analyses of the biological samples and feed samples. Data editing and preparation of reports and scientific publications (deliverable Π2.2).

10. 15/12/2022 – 31/03/2023: Researcher in the project “**Development of a detection system for adulteration and identification of cheese products made from milk of Greek goat breeds**” co-financed by the European Regional Development Fund of the European Union and National Funds through the operational program "Central Macedonia 2014-2020"

*AUTH Research Committee, Thessaloniki, Greece*

Position details: Assessment of pedigree relationships. Analysis of genotypic data. Report preparation (deliverables 3.1, 3.2)

11. 16/01/2023 – 30/09/2023: Researcher in the project “**Use of blockchain technology in beef production to ensure authenticity and traceability (AuthenBeef; <https://www.authenbeef.gr/>)**” co-financed by the European Regional Development Fund of the European Union and National Funds through the operational program "Central Macedonia 2014-2020"

*AUTH Research Committee, Thessaloniki, Greece*

Position details: Participation in protocol development and implementation for the genetic identification to assess the authenticity of beef and its derivatives. Participation in sustainable supply of genetic analysis data for the operation and improvement of the beef traceability information system. Collection and evaluation of feedback sheets. Participating in the assessment of the environmental impact of cattle farming practices in Central Macedonia and participation in dissemination actions.

12. 06/08/2023 – 31/12/2023: Researcher in the project “**Planning and development of a dairy sheep and goat incubator (ProudFarm)**” co-financed by the European Regional Development Fund of the European Union and National Funds through the Measure 16 Cooperation – National Rural Development Programme.

*AUTH Research Committee, Thessaloniki, Greece*

Position details: Development of management protocols for sheep farms in the form of educational material, system development (input parameters, algorithm) for recording and processing of farm income in relation to production costs and milk production, consultancy for the architectural design of a model incubator for sheep farms.

13. 22/09/2023 – 31/12/2023: Researcher in the project “**Creation of a branded meat product through the implementation of a protocol for the rearing of large-scale cattle breeding in the area of Axios Delta (AxiosMeat)**” co-financed by the European Regional Development Fund of the European Union and National Funds through the Measure 16 Cooperation – National Rural Development Programme.

*AUTH Research Committee, Thessaloniki, Greece*

Position details: Preparation of an analytical report on the animal husbandry practices and economic data of the extensive cattle farms in the region of Axios by using specially designed questionnaires. Report regarding the productivity of natural grasslands and the quality of grazing material in the Axios area and preparation of scientific articles. Collection of meat samples from cattle reared in the area of Axios, laboratory assessment of meat quality, preparation of an analytical report with the results of the analyses, coordination and participation in organoleptic tests.

## **LANGUAGES**

1. Mother tongue: Greek
2. Foreign languages: English – Certificate of Proficiency in English (Grade A)

## **OTHER SKILLS**

1. Data analysis skills
2. Use of R software and the Office Suite
3. Laboratory analysis
4. Excellent written and oral communication skills

## **PUBLICATIONS**

### **A. PHD THESIS**

1. «**Assessment of the production traits of goats resistant to classical scrapie**».

Vouraki S., PhD Thesis, Thessaloniki, Greece, 2019.

### **B. BOOK CHAPTERS**

1. Arsenos G., Argyriadou A., **Vouraki S.**, Gelasakis A.I. (2019). Organic sheep and goat farming: opportunities and challenges. In M. Vaarst & S. Roderick (Eds.), *Improving organic animal farming*. <http://dx.doi.org/10.19103/AS.2017.0028.17>.
2. Arsenos G., **Vouraki S.** (2023). Feed additives to ensure sustainability. In Arsenos, G., Giannenas, I. (eds) *Sustainable Use of Feed Additives in Livestock*. Springer, Cham. [https://doi.org/10.1007/978-3-031-42855-5\\_1](https://doi.org/10.1007/978-3-031-42855-5_1).

### **C. PUBLICATIONS IN SCIENTIFIC JOURNALS**

1. Filiouis G., Theodoridis A., Papadopoulos D., Gelasakis A.I., **Vouraki S.**, Bramis G., Arsenos G. (2017). Serological prevalence of *Coxiella burnetii* in dairy goats and ewes diagnosed with adverse pregnancy outcomes in Greece. *Annals of Agriculture and Environmental Medicine*.

2. **Vouraki S.**, Gelasakis A.I., Rose I.J., Arsenos G. (2018). Risk factors of teat-end hyperkeratosis and its association with udder health in dairy ewes. *Journal of Dairy Research* 85, 44-49. <https://doi.org/10.1017/S0022029917000887>
3. **Vouraki S.**, Gelasakis A.I., Alexandri P., Boukouvala E., Ekateriniadou L.V., Banos G., Arsenos G. (2018). Genetic profile of scrapie codons 146, 211 and 222 in the *PRNP* gene locus in three breeds of dairy goats. *PLoS ONE* 13(6): e0198819. <https://doi.org/10.1371/journal.pone.0198819>.
4. **Vouraki S.**, Gelasakis A.I., Ekateriniadou L.V., Banos G., Arsenos G. (2019). Impact of polymorphisms at the *PRNP* locus on the performance of dairy goats reared under low-input pastoral farming systems. *Small Ruminant Research* 174, 77-82. <https://doi.org/10.1016/j.smallrumres.2019.03.014>.
5. **Vouraki S.**, Skourtis I., Psychos K., Jones W., Davis C., Johnson M., Riaguas Ruperez L., Theodoridis A., Arsenos G. (2020). A decision support system for economically sustainable sheep and goat farming. *Animals* 10(12), 2421 <https://doi.org/10.3390/ani10122421>.
6. Theodoridis A., **Vouraki S.**, Morin E., Riaguas Ruperez L., Davis C., Arsenos, G. (2021). Efficiency Analysis as a tool for revealing best practices and innovations: The case of the sheep meat sector in Europe. *Animals* 11, 3242 <https://doi.org/10.3390/ani11113242>.
7. **Vouraki S.**, Gelasakis A.I., Papanikolopoulou V., Papadopoulos E., Arsenos G. (2022). Association of hard ticks (Ixodidae) infestation with milk production and udder health of extensively reared dairy goats. *Animals* 12(3):354. <https://doi.org/10.3390/ani12030354>.
8. **Vouraki S.**, Gelasakis, A. I., Fotiadou, V., Banos, G., Arsenos, G. (2022). Repeatability of Health and Welfare Traits and Correlation with Performance Traits in Dairy Goats Reared under Low-Input Farming Systems. *Veterinary sciences*, 9(6), 289. <https://doi.org/10.3390/vetsci9060289>
9. Argyriadou A., Tsitsos A., Stylianaki I., **Vouraki S.**, Kallitsis T., Economou V., Arsenos, G. (2022). A Comprehensive Study of the Quality of Fat-Tailed Sheep Carcasses in Greece. *Animals*, 12(15), 1998. <https://doi.org/10.3390/ani12151998>
10. Priskas S., Valergakis G., Tsakmakidis I., **Vouraki S.**, Papanikolopoulou V., Theodoridis A., Arsenos G. (2022). The role of housing conditions on the success of artificial insemination in intensively reared dairy ewes in Greece. *Animals* 12(19), 2693. <https://doi.org/10.3390/ani12192693>
11. Skaperda Z., Kyriazis I.D., Tekos F., Alvanou M.V., Nechalioti P-M., Makri S., Argyriadou A., **Vouraki S.**, Kallitsis T., Koutri M., Valasi I., Arsenos G., Kouretas D. (2022). Determination of redox status in different tissues of lambs and kids and their in-between relationship. *Antioxidants* 11, 2065. <https://doi.org/10.3390/antiox11102065>
12. Theodoridis A., **Vouraki S.**, Morin E., Koutouzidou G., Arsenos G. (2022). Efficiency analysis and identification of best practices and innovations in dairy sheep farming. *Sustainability* 14, 13949. <https://doi.org/10.3390/su142113949>.
13. **Vouraki S.**, Papanikolopoulou, V., Irakli, M., Parissi, Z., Abraham, E. M., Arsenos, G. (2023). Legume Grains as an Alternative to Soybean Meal in the Diet of Intensively Reared Dairy Ewes. *Sustainability*, 15(2), 1028. <https://doi.org/10.3390/su15021028>.



14. Papanikolopoulou, V., **Vouraki, S.**, Priskas, S., Theodoridis, A., Dimitriou, S., Arsenos, G. (2023). Economic Performance of Dairy Sheep Farms in Less-Favoured Areas of Greece: A Comparative Analysis Based on Flock Size and Farming System. *Sustainability*, 15(2), 1681. <https://doi.org/10.3390/su15021681>.
15. Louta, M., Karagiannis, P., Papanikolopoulou, V., **Vouraki, S.**, Tsipis, E., Priskas, S., Koutouzidou, G., Theodoridis, A., Dimitriou, S., Arsenos, G. (2023). FarmDain, a Decision Support System for Dairy Sheep and Goat Production. *Animals*, 13(9), 1495. <https://doi.org/10.3390/ani13091495>.
16. Theodoridis, A., Ragkos, A., **Vouraki, S.**, Arsenos, G., Kominakis, A., Coppin, S., Thenard, V., Byrne, T. J. (2023). Novel Resilient and Sustainable Farm Profiles in Small Ruminant Production Systems Using Mathematical Programming Model. *Sustainability*, 15(15), 11499. <https://doi.org/10.3390/su151511499>.
17. Argyriadou, A., Michailidou, S., **Vouraki, S.**, Tsartsianidou, V., Triantafyllidis, A., Gelasakis, A., Banos, G., Arsenos, G. (2023). A genome-wide association study reveals novel SNP markers associated with resilience traits in two Mediterranean dairy sheep breeds. *Frontiers in Genetics*, 14, 1294573. <https://doi.org/10.3389/fgene.2023.1294573>.

#### **D. PUBLICATIONS IN NATIONAL AND INTERNATIONAL CONFERENCES (CONFERENCE PAPERS)**

1. **Vouraki S.**, Theodoridis A., Kongsro J., Fortomaris P., Arsenos G. (2015). The effect of breed, sex and degree of maturity of lambs on the ribeye area. In: S.B. Ramantanis, Hellenic Congress: meat & products thereof "From stable to table" Proceedings. Paper presented at the proceedings of the Hellenic Congress: meat & products thereof "From stable to table", Thessaloniki, Greece, 27,28 February - 1 March (148-153), Thessaloniki, Greece: ELGO Demetra, Greek Ministry of Agricultural Development and Foods
2. **Vouraki S.**, Theodoridis A., Kongsro J., Fortomaris P., Arsenos G. (2015). The effect of breed, sex and degree of maturity of lambs on the ribeye area. In: C. Maltin, C. Craigie and L. Bunger, Farm Animal Imaging A Summary Report. Paper presented at the proceedings of FAIM IV Fourth Annual Conference on Body and Carcass Evaluation, Meat Quality, Software and Traceability, Edinburgh, United Kingdom, 22-23 September (pp 40-45), Edinburgh, United Kingdom: European Cooperation in Science and Technology.
3. **Vouraki S.**, Skourtis Y., Psychos D. Rose G., Arsenos G. (2017). Happy Goats - A decision Support Web App for Sustainable Small Ruminant Farming. Paper presented at the proceedings of the 8th International Conference on Information and Communication Technologies in Agriculture, Food and Environment (HAICTA 2017), Chania, Crete Island, Greece, 21-24 September, 2017 (pp 642-651), <http://ceur-ws.org/Vol-2030/>.
4. Arsenos G., **Vouraki S.**, Ragkos A., Theodoridis A. (2021). Trends and challenges for sustainable development of sheep and goat systems. Paper presented at the proceedings of the International e-workshop Workshop "Pastoralism and Sustainable Development", Valenzano, Bari, 14-15 July, 2021 (pp 13-33).

#### **E. PRESENTATIONS IN INTERNATIONAL CONFERENCES**

1. Termatzidou S.A., **Vouraki S.**, Kazana P., Gelasakis A., Valergakis G.E. Arsenos G., "Association of milking parlours and milking procedures with subclinical mastitis in dairy sheep", BSAS Annual Conference, 2016, Chester, United Kingdom, 6-7 April 2016

2. **Vouraki S.**, Termatzidou S.A, Kazana P., Gelasakis A.I., Valergakis G.E., Arsenos G., "Teat-end hyperkeratosis in dairy ewes and its predisposing factors", BSAS Annual Conference, 2016, Chester, United Kingdom, 6-7 April 2016
3. Termatzidou S.A., **Vouraki S.**, Kazana P., Gelasakis A., Valergakis G.E. Arsenos G., "Association of milking parlours and milking procedures with subclinical mastitis in dairy sheep" (poster), 29<sup>th</sup> World Buiatrics Congress 2016, Dublin, Ireland, 3-7 July 2016.
4. **Vouraki S.**, Termatzidou S.A., Kazana P., Gelasakis A.I., Managos M., Valergakis G.E., Arsenos G., "Teat-end hyperkeratosis in dairy ewes and its predisposing factors" (poster), 29<sup>th</sup> World Buiatrics Congress 2016, Dublin, Ireland, 3-7 July 2016.
5. **Vouraki S.**, Gelasakis A.I., Alexandri P., Boukouvala E., Ekateriniadou L.V., Banos G., Arsenos G. "Profile of PRNP gene in 3 dairy goat breeds and association with milk production and udder health", 69<sup>th</sup> Annual Meeting of the European Federation of Animal Science (EAAP 2018), Dubrovnik, Croatia, 27-31 August 2018
6. **Vouraki S.**, Argyriadou A., Bartzanas Th., Papanastasiou D., Arsenos G. "Effect of ammonia levels on milk yield and composition of intensively reared dairy ewes", 4<sup>th</sup> Livage Meeting "Towards precision livestock husbandry and its potential to mitigate ammonia and GHG emissions", Galilee, Israel, 17-21 February 2019
7. Siachos N., Kougioumtzis A., Soufleri E., **Vouraki S.**, Gauthier M., Arsenos G. "Effect of a live yeast strain of *Saccharomyces cerevisiae* supplementation on growth, carcass yield and meat quality of finishing feedlot cattle", BSAS Annual Conference, 2019, Edinburgh, United Kingdom, 9-11 April 2019
8. **Vouraki S.**, Gelasakis A.I., Giannakou R., Papadopoulos E., Arsenos G. "Impact of hard ticks (*Ixodidae*) infestation on milk production and udder health of dairy goats in low-input pastoral farming systems in Greece", Annual ECSRHM Conference, Warsaw, Poland, 11 May 2019
9. Martin-Collado D., **Vouraki S.**, Rubio A., Serrano M., Argyriadou A., Tsartsianidou V., Triantafyllidis A., Arsenos G., Diaz C. "Factors influencing sheep farmer attitudes towards breeding tools across Mediterranean breeds". 1<sup>st</sup> Joint Meeting, FAO-CIHEAM Networks on Sheep and Goats and on Mediterranean Pastures, Meknès, Morocco, 23-25 October 2019
10. **Vouraki S.**, Jones W., Davies C., Riaguas Ruperez L., Skourtis Y., Psychos K., Theodoridis A., Arsenos G. "A decision support system for sustainable meat sheep production". BSAS Annual Conference, 2020, Nottingham, United Kingdom, 30 March - 1 April 2020
11. Tsartsianidou V., Pavlidis A., **Vouraki S.**, Arsenos G., Triantafyllidis A. "Genome-wide association study of fertility traits in dairy sheep". Hbioinfo bridge 2020-2021 (Hellenic Bioinformatics), Virtual event, 4 June 2021 (προς δημοσίευση).
12. **Vouraki S.**, Gelasakis A.I., Fotiadou V., Banos G., Arsenos G. "Repeatability of udder health and welfare traits of semi-extensively reared dairy goats in Greece", 72<sup>nd</sup> Annual Meeting of the European Federation of Animal Science (EAAP 2021), Davos, Switzerland, 30 August – 3 September 2021.
13. Papanikolopoulou V., Gelasakis A.I., Papadopoulos E., **Vouraki S.**, Soufleri A., Arsenos G. "The impact of internal parasitism on milk production and udder health of dairy goats in low-input pastoral farming systems", BSAS Annual Conference, 2022, Nottingham, United Kingdom, 12-14 April 2022.

14. **Vouraki S.**, Papanikolopoulou V., Siachos N., Fotiadou V., Arsenos G. "Association of milk composition traits as indicators of feed efficiency in Chios dairy ewes", 73<sup>rd</sup> Annual Meeting of the European Federation of Animal Science (EAAP 2022), Porto, Portugal, 5-9 September 2022.
15. Argyriadou A., Tsitsos A., Stylianaki I., **Vouraki S.**, Kallitsis T., Economou V., Arsenos G. "Comparative study of fat-tailed and thin-tailed sheep carcass quality", 73<sup>rd</sup> Annual Meeting of the European Federation of Animal Science (EAAP 2022), Porto, Portugal, 5-9 September 2022.
16. **Vouraki S.**, Papanikolopoulou V., Abraham E.M., Parissi Z., Arsenos G. "Legumes grains as alternative to soybean in the diet of dairy ewes", 10<sup>th</sup> International Conference on ICT in Agriculture, Food & Environment (HAICTA 2022), Athens, Greece 22-25 September 2022.
17. Filipitzi M.E., Argyriadou A., Papanikolopoulou V., **Vouraki S.**, Arsenos G. "First quantification of farm biosecurity in Greece: data from three sheep farms", BETTER, Ghent, Belgium, 7-8 February 2023.
18. Arsenos G., Priskas S., **Vouraki S.**, Papanikolopoulou V. "The role of housing conditions on the success of artificial insemination in intensively reared dairy ewes in Greece", 10<sup>th</sup> International Sheep Veterinary Congress, Seville, Spain, 6-10 March 2023.
19. Arsenos G., Papanikolopoulou V., **Vouraki S.**, Priskas S. "Health and welfare assessment of ewes in dairy sheep farms", 10<sup>th</sup> International Sheep Veterinary Congress, Seville, Spain, 6-10 March 2023.
20. **Vouraki S.**, Papanikolopoulou V., Argyriadou A., Fotiadou V., Tsartsianidou V., Triantafyllidis A., Banos G., Arsenos G. "Genetic parameters for grazing behaviour traits of Boutsko sheep", 74<sup>th</sup> Annual Meeting of the European Federation of Animal Science (EAAP 2023), Lyon, France, 26 August-1 September 2023.
21. Arsenos G., **Vouraki S.**, Papanikolopoulou V., Argyriadou A., Fotiadou V., Minoudi S., Karaouglanis D., Karaïskou N., Fortomatis P., Triantafyllidis A. "AuthenBeef: use of blockchain technology in beef production to ensure authenticity and traceability", 74<sup>th</sup> Annual Meeting of the European Federation of Animal Science (EAAP 2023), Lyon, France, 26 August-1 September 2023.
22. Arsenos G., **Vouraki S.**, Papanikolopoulou V., Ekateriniadou L.V., Sakaridis I. "Management practices and welfare of dairy goats in Greece", 74<sup>th</sup> Annual Meeting of the European Federation of Animal Science (EAAP 2023), Lyon, France, 26 August-1 September 2023.
23. Tsartsianidou V., **Vouraki S.**, Papanikolopoulou V., Arsenos G., Triantafyllidis A. "Genomic signatures of adaptive response driven by transhumant pastoralism in native Boutsko sheep", 74<sup>th</sup> Annual Meeting of the European Federation of Animal Science (EAAP 2023), Lyon, France, 26 August-1 September 2023.
24. Tosiou E., Tsartsianidou V., **Vouraki S.**, Papanikolopoulou V., Ekateriniadou L.V., Boukouvala E., Bouzalas I.G., Sakaridis I., Arsenos G., Triantafyllidis A. "Genome-wide analysis of Greek goats with global breeds revealing population structure and diversity", 74<sup>th</sup> Annual Meeting of the European Federation of Animal Science (EAAP 2023), Lyon, France, 26 August-1 September 2023.
25. **Vouraki S.**, Papanikolopoulou V., Fotiadou V., Koltsidas N., Priskas S., Perez de Albeniz Gonzales J.I., Krystallidou E., Arsenos G. "ProudFarm: Planning and development of a dairy sheep and goat incubator", 17<sup>th</sup> International

Conference of the Hellenic Association of Agricultural Economists (ETAGRO 2023), 2-3 November, Thessaloniki, Greece.

26. Papanikolopoulou V., **Vouraki S.**, Priskas S., Fotiadou V., Chantzi P., Papantoniou M., Genitsargiotis M., Sfetsas T., Dalla I., Arsenos G. "Production and fattening of black and white calves in dairy cows", 17<sup>th</sup> International Conference of the Hellenic Association of Agricultural Economists (ETAGRO 2023), 2-3 November, Thessaloniki, Greece.

27. Papanikolopoulou V., **Vouraki S.**, Tsitsos A., Mitsopoulos A., Petkoglou C., Sfetsas T., Dalla I., Arsenos G. "Creation of a branded meat product through the implementation of a protocol for the rearing of large-scale cattle breeding in the area of Axios Delta", 17<sup>th</sup> International Conference of the Hellenic Association of Agricultural Economists (ETAGRO 2023), 2-3 November, Thessaloniki, Greece.

## **F. PRESENTATIONS IN NATIONAL CONFERENCES**

1. **Vouraki S.**, Teratzidou S., Gelasakis A., Panos T., Kazana P., Arsenos G., Valergakis G.E. "Assessment of milking parlours and milking procedures in dairy sheep flocks", 30<sup>rd</sup> Annual Conference of Hellenic Society of Animal Production, Giannitsa, 14-16 October 2015

2. **Vouraki S.**, Gelasakis A., Termatzidou S., Kazana P., Panos T., Arsenos G., Valergakis G.E., "Assessment of teat-end hyperkeratosis and subclinical mastitis in dairy sheep flocks", 30<sup>rd</sup> Annual Conference of Hellenic Society of Animal Production, Giannitsa, 14-16 October 2015

3. **Vouraki S.**, Arsenos G., Valergakis G.E., "Assessment of milking parlours and milking procedures in dairy cow flocks", 30<sup>rd</sup> Annual Conference of Hellenic Society of Animal Production, Giannitsa, 14-16 October 2015

4. **Vouraki S.**, Gelasakis A.I., Termatzidou S.A., Kazana P., Managos M., Valergakis G.E., Arsenos G. "The role of milking parlour on udder health of dairy ewes", 6<sup>th</sup> Pan-Hellenic Congress in Technology of Animal Production, Thessaloniki, 3 February 2017

5. Termatzidou S.A., **Vouraki S.**, Kazana P., Gelasakis A.I., Managos M., Valergakis G.E., Arsenos G. "Critical control points of dairy sheep milking parlours: recent study results", 6<sup>th</sup> Pan-Hellenic Congress in Technology of Animal Production, Thessaloniki, 3 February 2017

6. Kazana P., **Vouraki S.**, Termatzidou S.A., Gelasakis A.I., Managos M., Valergakis G.E., Arsenos G. "Milking parlours and milkers efficiency in dairy sheep farms in Greece", 6<sup>th</sup> Pan-Hellenic Congress in Technology of Animal Production, Thessaloniki, 3 February 2017

7. Soufleri A., **Vouraki S.**, Arsenos G., Valergakis G.E. "Assessment of milking parlours and milking procedures in dairy cows", 6<sup>th</sup> Pan-Hellenic Congress in Technology of Animal Production, Thessaloniki, 3 February 2017

8. **Vouraki S.**, Gelasakis A.I., Boukouvala E., Ekateriniadou L., Banos G., Fortomaris P.D., Arsenos G. "Genotypic frequencies of scrapie resistance codons in the Greek goat population", 4<sup>th</sup> Panhellenic Veterinary Congress on Farm Animals & Food Hygiene, Volos, 12-14 May 2017

9. **Vouraki S.**, Gelasakis A.I., Rose G., Termatzidou S., Kazana P., Valergakis G.E., Arsenos G. "Effect of teat-end hyperkeratosis on udder health of dairy ewes", 4<sup>th</sup> Panhellenic Veterinary Congress on Farm Animals & Food Hygiene, Volos, 12-14 May 2017
10. Arsenos G., **Vouraki S.**, Rose I., Psychos D., Skourtis Y. "Happy Goats: Decision support web app for sustainable small ruminant production", 4<sup>th</sup> Panhellenic Veterinary Congress on Farm Animals & Food Hygiene, Volos, 12-14 May 2017
11. **Vouraki S.**, Gelasakis A.I., Boukouvala E., Ekateriniadou L., Banos G., Arsenos G. "Association of PRNP gene with milk production and udder health in three dairy goat breeds", 14<sup>th</sup> Panhellenic Veterinary Congress, Thessaloniki, 11-13 May 2018
12. Gelasakis A.I., Argyriadou A., **Vouraki S.**, Giannakou R., Arsenos G. "Development of a statistical model to estimate udder health in low-input dairy goat herds", 14<sup>th</sup> Panhellenic Veterinary Congress, Thessaloniki, 11-13 May 2018
13. **Vouraki S.**, Gelasakis A.I., Ekateriniadou L., Banos G., Arsenos G. "Genetic comparison of PRNP gene profile among three dairy goat breeds reared in Greece", 7<sup>th</sup> Pan-Hellenic Congress in Technology of Animal Production, Thessaloniki, 1 February 2019
14. **Vouraki S.**, Gelasakis A.I., Giannakou R., Papadopoulos E., Arsenos G. "Impact of hard ticks infestation on milk production and udder health of dairy goats in Greece", 34<sup>th</sup> Annual Conference of Hellenic Society of Animal Production, Volos, 2-4 October 2019
15. Argyriadou A., **Vouraki S.**, Bartzanas Th., Papanastasiou D., Arsenos G. "Effect of ammonia levels on milk yield and composition of intensively reared dairy ewes", 34<sup>th</sup> Annual Conference of Hellenic Society of Animal Production, Volos, 2-4 October 2019
16. **Vouraki S.**, Siachos N., Papanikolopoulou V., Arsenos G. "Assessment of the use of legume grains in the diet of intensively reared dairy ewes", 35<sup>th</sup> Annual Conference of Hellenic Society of Animal Production, Athens, 6-7 November 2021 (under publication).
17. Papanikolopoulou V., Gelasakis A.I., Papadopoulos E., Soufleri A., **Vouraki S.**, Arsenos G. "The impact of internal parasitism on milk production and udder health of semi-extensively reared dairy goats", 35<sup>th</sup> Annual Conference of Hellenic Society of Animal Production, Athens, 6-7 November 2021 (under publication).
18. **Vouraki S.**, Gelasakis A.I., Fotiadou V., Banos G., Arsenos G. "Repeatability of health and welfare traits and correlation with milk production traits in dairy goats reared in low-input farming systems", 15<sup>th</sup> Panhellenic Veterinary Congress, Athens, 4-6 November 2022.
19. **Vouraki S.**, Papanikolopoulou V., Argyriadou A., Priskas S., Fotiadou V., Tsartsianidou V., Triantafyllidis A., Arsenos G. "Grazing behaviour of semi-extensively reared Boutsko sheep and association with climatic parameters", 15<sup>th</sup> Panhellenic Veterinary Congress, Athens, 4-6 November 2022.
20. Papanikolopoulou V., **Vouraki S.**, Priskas S., Arsenos G. "Health and welfare assessment of ewes in dairy sheep farms", 15<sup>th</sup> Panhellenic Veterinary Congress, Athens, 4-6 November 2022.

21. Papanikolopoulou V., **Vouraki S.**, Priskas S., Arsenos G. “Economic performance of dairy sheep farms in Western Macedonia”, 15<sup>th</sup> Panhellenic Veterinary Congress, Athens, 4-6 November 2022.
22. Papanikolopoulou V., **Vouraki S.**, Priskas S., Polychroniadis S., Zlatitzis E., Arsenos G. “The role of nutritional supplement MILKPLUS in milk production of intensively reared sheep”, 15<sup>th</sup> Panhellenic Veterinary Congress, Athens, 4-6 November 2022.
23. Priskas S., Valergakis G., Tsakmakidis I., **Vouraki S.**, Papanikolopoulou V., Theodoridis A., Arsenos G. “The role of housing conditions on the success rates of artificial insemination in intensively reared dairy ewes in Greece”, 15<sup>th</sup> Panhellenic Veterinary Congress, Athens, 4-6 November 2022.
24. Chantzis N., Priskas S., **Vouraki S.**, Papanikolopoulou V., Arsenos G. “The role of milk recording in holistic management of dairy sheep flocks”, 15<sup>th</sup> Panhellenic Veterinary Congress, Athens, 4-6 November 2022.
25. Bakogiorgos G., **Vouraki S.**, Arsenos G., Pantera A. “Interactions between predators and livestock in semi-extensive systems: The case of Evritania regions”, 15<sup>th</sup> Panhellenic Veterinary Congress, Athens, 4-6 November 2022.
26. Filipitzi M.E., Allepuz A., **Vouraki S.**, Papanikolopoulou V., Arsenos G. “Improve biosecurity in livestock, in Europe and in Greece”, 15<sup>th</sup> Panhellenic Veterinary Congress, Athens, 4-6 November 2022.
27. Argyriadou A., Tsitsos A., Stylianaki I., **Vouraki S.**, Kallitsis T., Arsenos G. “Comprehensive study of fat-tailed and thin-tailed dairy sheep carcass quality”, 15<sup>th</sup> Panhellenic Veterinary Congress, Athens, 4-6 November 2022.

#### **TABLE OF PUBLICATIONS**

<b>Type of publication</b>	<b>Number</b>
PhD Thesis	1
Book chapters	2
Publications in scientific journals	17
Publications in conferences – conference papers	4
Presentations in conferences - abstracts	54
<b>ΣΥΝΟΛΟ</b>	<b>78</b>

#### **PARTICIPATION IN INTERNATIONAL SCIENTIFIC CONFERENCES – SEMINARS**

1. **Dairy livestock production in Southern Europe workshop**, Thessaloniki, Greece (10/09/2015 – 11/09/2015)
2. **FAIM IV Fourth Annual Conference, Edinburgh**, United Kingdom (22/09/2015 – 23/09/2015)
3. **BSAS Annual Meeting 2016**, Chester, United Kingdom (06/04/2016 – 07/04/2016)
4. **29<sup>th</sup> World Buiatrics Congress 2016**, Dublin, Ireland (03/07/2016 -07/07/2016)
5. **HAICTA 2017**, Chania (Crete Island), Greece (21/09/2017 – 24/09/2017)
6. **69<sup>th</sup> Annual Meeting of the European Federation of Animal Science**, Dubrovnik, Croatia (27/08/2018 – 31/08/2018)

7. **4<sup>th</sup> Livage Meeting "Towards precision livestock husbandry and its potential to mitigate ammonia and GHG emissions"**, Galilee, Israel, (17/02/2019-21/02/2019)
7. **Annual ECSRHM Conference**, Warsaw, Poland (11/05/2019)
8. **72<sup>nd</sup> Annual Meeting of the European Federation of Animal Science**, Davos, Switzerland, (30/08/2021 – 03/09/2021)
9. **73<sup>rd</sup> Annual Meeting of the European Federation of Animal Science**, Porto, Portugal, (05/09/2022 – 09/09/2022)
10. **10<sup>th</sup> International Conference on ICT in Agriculture, Food & Environment (HAICTA 2022)**, Athens, Greece (22/09/2022 – 25/09/2022)
11. **10<sup>th</sup> International Sheep Veterinary Congress**, Seville, Spain (06/03/2023 – 10/03/2023)
12. **74<sup>th</sup> Annual Meeting of the European Federation of Animal Science**, Lyon, France (26/08/2023 – 01/09/2023)
13. **17<sup>th</sup> International Conference of the Hellenic Association of Agricultural Economists (ETAGRO 2023)**, Thessaloniki, Greece (02/11/2023-03/11/2023).

#### **PARTICIPATION IN NATIONAL SCIENTIFIC CONFERENCES – SEMINARS**

1. **2<sup>nd</sup> Panhellenic Conference of Food Producing Animals - Hygiene and Safety of Food of Animal Origin - Consumer Protection**, Thessaloniki (18/03/2011 – 20/03/2011)
2. Scientific Event "**The Science of Laboratory Animals and the Role of the Veterinarian**", School of Veterinary Medicine, Aristotle University of Thessaloniki (29/03/2012)
3. Meeting: "**New technologies for a Viable Agriculture**", Skydra (11/2012)
5. Multi-topic meeting of **IVSA Thessaloniki and IVSA Thessaly during the 4th FORUM Companion Animal Medicine**, Thessaloniki, (01/03/2013)
6. **1<sup>st</sup> Panhellenic Conference of Veterinary Students**, Thessaloniki (18/05/2013 – 19/05/2013)
7. **10<sup>th</sup> Panhellenic Conference of Companion Animal Medicine**, Athens (01/11/2013 – 03/11/2013)
8. **2<sup>n</sup> Panhellenic Conference of Veterinary Students**, Karditsa (10/05/2014 – 11/05/2014)
9. **Panhellenic Conference: Meat and its Products**, 2015, Thessaloniki (27/02/2015 -01/03/2015)
10. **4<sup>th</sup> Panhellenic Veterinary Congress on Farm Animals & Food Hygiene**, Volos (12/05/2017 – 14/05/2017)
11. **14<sup>th</sup> Panhellenic Veterinary Congress**, Thessaloniki (11/05/2018 -13/05/2018)
12. **7<sup>th</sup> Pan-Hellenic Congress in Technology of Animal Production**, Thessaloniki (01/02/2019)
13. **35<sup>th</sup> Annual Conference of Hellenic Society of Animal Production**, Athens (06/11/2021 – 07/11/2021)
14. **15<sup>th</sup> Panhellenic Veterinary Congress**, Athens, (04/11/2022-06/11/2022)

#### **MEMBERSHIPS**

1. Hellenic Veterinary Association
2. Geotechnical Chamber of Greece

3. Scientific Committee of the 10<sup>th</sup> International Conference on ICT in Agriculture, Food & Environment (HAICTA 2022).