



## CURRICULUM VITAE

### PERSONAL DATA

Name and Last name: Panagiota Koutsouli

Place of birth: Athens

Citizenship: Greek

Professional state: Assistant Professor

Contact information: Laboratory of Animal Breeding and Husbandry,  
Department of Animal Science  
Faculty of Animal Biosciences,  
Agricultural University of Athens (**AUA**),  
Iera odos 75, 11855, Athens

Telephone: 0030 210-5294440

Fax: 0030 210-5294442

e-mail: [panagiota@aua.gr](mailto:panagiota@aua.gr),  
[panagiota.koutsouli@gmail.com](mailto:panagiota.koutsouli@gmail.com)

### EDUCATION

1996	PhD: "Study of genetic structure of the main Greek breeds of sheep", Agricultural University of Athens (Supervisor: Prof E. Rogdakis)
1988	Bachelor Degree in Animal Production from Agricultural University of Athens by the Faculty of Animal Science (13-1-1988)

### QUALIFICATIONS

- Biochemical and molecular analysis (molecular techniques for DNA – RNA extraction, PCR, RFLPs polymorphisms, DNA and proteins genotyping)

- Software programs (WORD, EXCEL, POWERPOINT, COREL DRAW)
- Statistical analysis of data (Statgraphics, SPSS), Software for population genetic analysis and phylogenetic studies (BIOSYS-II, GENETIX, FSTAT, POPGENE, PHYLIP, TREEVIEW, MICROSAT, GENECLASS, WHICHRUN).
- Foreign Languages: English (First Certificate – University of Cambridge) and French (Superieur III - Institut Francais d' Athenes)

## **PROFESSIONAL EXPERIENCE – ACADEMIC EXPERIENCE - PARTICIPATION IN RESEARCH PROJECTS**

**August 2017 to date:** Assistant professor, subject area “Animal Breeding in Livestock” at the Department of Animal Science, Laboratory of Animal Breeding and Husbandry, Faculty of Animal Biosciences

**2004 to August 2017:** Lecturer, subject area: “Animal Breeding in Livestock” at the Laboratory of Animal Breeding and Husbandry, Faculty of Animal Production and Husbandry.

**2018-to date:** Climate Change in Agriculture (CLICHA). Erasmus+ KA2 action. Principal Investigator: Prof. I. Bizelis

**2018-to date:** Different forces behind the development of genomic diversity in indigenous cattle strains and breeds in Greece. Joint research program between German (Ludwig-Maximilians-Universität München) and Greece (Agricultural University of Athens) funded by DAAD (15/5/2017-15/5/2019). Principal Investigator: Prof. I. Bizelis.

**2010-2012:** Scientific coordinator in the Research program: “Information and advices for the promotion and dissemination of Skopelos goat breed from the Animal Cooperative of Skopelos breeders in the activities of Action 3.4 (Conservation of genetic resources in livestock)” (10/2010- 01/2012).

**2008-2009:** RESEARCH PROGRAM: EUREKA SPELEAT E!3757 “Quality skin traits from an indigenous sheep breed, an imported foreign sheep breed and an indigenous goat breed”, scientific coordinator: I. Bizelis

**2000–2004:** member of Specialized and Laboratory Teaching Staff of AUA. “Applied programs for genetic improvement, protection and conservation of indigenous sheep and goat Greek populations”. Collection of animal samples from sheep flocks, biochemical analyses and statistical analysis of genetic data.

**1996-2000:** Teaching and research member of the Department of Animal Breeding and Husbandry of AUA (permanent position)

**1995-1996:** Teacher of Agriculture in Secondary Education (Multidisciplinary Lyceum of Egaleo).

**1992-1995:** Researcher (under employment contract): participation in research projects of the Department of Animal Breeding and Husbandry: a) "Population Analysis of Goat Breeds in Kenya", financed by European Committee with cooperation of University of Hohenheim of Germany and Egerton University of Kenya (EEC-STD 3 RESEARCH PROGRAMME "POPULATION ANALYSIS OF GOAT BREEDS IN KENYA". EEC-CONTRACT NO. TS3\*-CT92-0107) b) "Protein polymorphism in Greek sheep breeds", financed by General Secretariat for Research & Technology of Greece.

#### **PARTICIPATION IN INTERNATIONAL SEMINARS- FURTHER EDUCATIONAL TRAINING**

**2015-2016:** Additional training in "Advanced methods of analysis in Social Sciences with SPSS", Centre for continuing education and training, National & Kapodistrian University of Athens,

**2011-2012:** Additional training in "Applied Statistics for professionals and researchers", Centre for continuing education and training, National & Kapodistrian University of Athens,

**1996:** Intensive program, Mathematics in Biological Sciences - Applications in Anthropology, Komotini, Democritus University of Thrace (1-14 / 08 / 1996).

#### **PUBLICATIONS**

1. Papachristou D., **Koutsouli P.**, Laliotis G.P., Kunz E., Upadhyay M., Seichter D., Russ I., Gjoko B., Kostaras N., Bizelis I. and I. Medugorac, **(2020)**. Genomic diversity and population structure of the indigenous Greek and Cypriot cattle. GSE (accepted).
2. Laliotis G.P, **Koutsouli P.**, Sotirakoglou K., Savoini G. and I. Politis, **(2020)**. Short communication: Association of oxidative stress biomarkers and clinical mastitis incidence in dairy cows during the periparturient period. Journal of veterinary research (accepted).
3. Invernizzi G., **Koutsouli P.**, Savoini G., Mariani E., Rebucci R., Baldi A. and I. Politis,

- (2019). Oxidative indices as metabolic stress predictors in periparturient dairy cows, Italian Journal of Animal Science, 18:1, 1356-1360, <https://doi.org/10.1080/1828051X.2019.1661803>
4. Nikolaou K., **Koutsouli P.**, Papadimitriou D. and I. Bizelis, (2019). Quality characteristics of beef carcasses produced in Greece, Thessaloniki. Proceedings of the Panhellenic Conference on Meat and its Products "From the stable to the plate". Zootechnia 2019, Thessaloniki 1-3 February 2019.
  5. Armaou E., Simitzis P., **Koutsouli P.**, Zoidou E., Massouras T., Goliomytis M., Bizelis I. and I. Politis, (2018). The effect of extended milking intervals (24, 48 and 72 h) on milk yield, milk composition, mammary physiology and welfare traits in dairy ewes. Journal of Dairy Research 85, 416-422.
  6. Laliotis G.P., **Koutsouli P.** and I. Bizelis, (2018). Implementation of DNA based techniques on traceability process of small ruminant species and products. Journal of Applied Veterinary and Animal Research, 5 (3): 255-264.
  7. **Koutsouli P.**, Simitzis P., Theodorou G., Massouras Th., Bizelis I. and I. Politis, (2016): The effect of milking frequency reduction from twice to once daily on mammary physiology and animal welfare of two dairy Greek sheep breeds. Small Rum. Res., <http://dx.doi.org/10.1016/j.smallrumres.2016.12.005>
  8. Triantafyllopoulos K., **Koutsouli P.**, Kandris A., Papachristou D., Markopoulou K., Mataragka A., Massouras Th. and I. Bizelis, (2016): Effect of  $\beta$ -lactoglobulin gene polymorphism, lactation stage and breed on milk traits in Chios and Karagouniko sheep breeds. Annals of Animal Science, DOI: 10.1515/aoas-2016-0058.
  9. Tsiplakou E., Mavrommatis A., Kalogeropoulos Th., Chatzikonstantinou M., **Koutsouli P.**, Sotirakoglou K., Labrou N., and G. Zervas, (2016): The effect of dietary supplementation with rumen-protected methionine alone or in combination with rumen protected choline and betaine on sheep milk and antioxidant capacity. Journal of Animal Physiology and Animal Nutrition
  10. Pilotto A., Savoini G., Baldi A., Invernizzi G., De Vecchi C., Theodorou G., **Koutsouli P.** and I. Politis., (2016): Short communication: Associations between blood fatty acids,  $\beta$ -hydroxybutyrate and  $\alpha$ -tocopherol in the periparturient period in dairy cows: an observational study. Journal of Dairy Science 99:1–6. <http://dx.doi.org/10.3168/jds.2016-10938>

11. Simitzis P., Galani K., Vasiliou P., **Koutsouli P.**, Bizelis I., (2016): Effect of breed and litter size on the display of maternal perinatal and offspring postnatal behavior in dairy sheep. *Journal of Veterinary Behavior Clinical Applications and Research*, 13, 10-18.
12. Spetsarias S., **Koutsouli P.**, Theodorou G., Theodoropoulos G., Bizelis I. (2016): Allelic polymorphism of OvarDRB1 exon2 gene and parasite resistance in two dairy sheep breeds. *Int. J. of Health Animal Science and Food Safety*, vol 3, no1, 1-19.
13. Sinanoglou V. J, **Koutsouli P.**, Fotakis Ch., Sotiropoulou G., Cavouras D. and I. Bizelis (2015): Assessment of lactation stage and breed effect on sheep milk fatty acid profile and lipid quality indices. *Dairy Science & Technology* 95, 509-531.
14. **Koutsouli P.**, Patounas G., Massouras Th., Bizelis I. and I. Politis (2015): Plasmin-plasminogen system and milk coagulation properties of two Greek dairy sheep breeds. *Small Rum. Res.*, 124, 89-94.
15. Simitzis P.E, Karastamatis S., **Koutsouli P.**, Bizelis I. and I. Politis (2015): Effect of yoghurt serum powder supplementation on growth performance and antioxidant status in fattening lambs, *Int. J. of Health Animal Science and Food Safety*, vol 2, no1, 1-8.
16. **Koutsouli P.**, Bizelis J. and E. Rogdakis (2007): Genetic structure of semi-fat tailed sheep breeds II. Genetic relationships among breeds and use of microsatellite genotypes for breed assignment. *Animal Science Review*, 36, 71-82.
17. Bizelis J., **Koutsouli P.** and E. Rogdakis (2007): Genetic structure of semi-fat tailed Greek sheep breeds: I. Gene frequencies, genetic variation and F-statistics. *Animal Science Review*, 36, 55-69.
18. **Koutsouli P.** and E. Rogdakis (2002): Genetic structure of Greek sheep breeds: III. Genetic variation within and between breeds. *Animal Science Review*, 30, 29-44.
19. **Koutsouli P.** and E. Rogdakis (2002): Genetic structure of Greek sheep breeds based on genetic systems: II. Hardy-Weinberg Equilibrium and Linkage Disequilibrium in co-dominant loci. *Animal Science Review*, 30, 15-27.
20. **Koutsouli P.**, Bizelis J., Panopoulou E. and E. Rogdakis (2002): Genetic structure of Greek sheep breeds: I. Gene Frequencies, *Animal Science Review*, 30, 3-14.

21. E. Rogdakis, **P. Koutsuli**, I. Surdis und E. Panopulu (**1995**): "Untersuchungen zur genetischen Struktur der wichtigsten Schafrassen Griechenlands", (Genetic structure of Greek sheep breeds). Journal of Animal Breeding and Genetics, 112, 255-266.
22. Panagiota Koutsouli (**1996**): "STUDY OF THE GENETIC STRUCTURE OF THE MAIN GREEK BREEDS OF SHEEP", Thesis, Athens, 1996

#### **PARTICIPATION IN INTERNATIONAL CONFERENCES WITH ABSTRACTS**

- **Koutsouli P., 2015.** "Managing small and isolated populations", in *European Seminar on Agrobiodiversity "Unrecognised and Isolated Populations of Rare Breeds and Varieties" SAVE, 10-12 September 2015, Kerkini Lake, Greece.*
- Simitzis P., Galani K., **Koutsouli P.**, and Bizelis I., **2014.** Effect of breed and litter size on the display of maternal and offspring postnatal behavior in sheep EAAP – 65th Annual Meeting, Copenhagen, Book of abstracts No. 20, (2014) Copenhagen, Denmark, 25 - 29 August 2014.
- Bizelis I., **Koutsouli P.**, Sinanoglou V., Symeon G. and Mantis F., **2010:** Meat quality and lipid composition of four sheep breeds reared by the traditional Greek sheep farming Book of Abstracts of the 61st Annual Meeting of the European Association for Animal Production, 23-27 August 2010.

**RESEARCH INTERESTS:** Animal breeding and Genetic improvement, Genomic selection in livestock, Population, biochemical and molecular genetics in livestock, Sheep, goat and cattle farming.