GEORGIA HADJIPAVLOU

AGRICULTURAL RESEARCH OFFICER A'

Agricultural Research Institute
Animal Production Section
P.O. Box 22016, 1516 Nicosia
Telephone: +357-22403122
Facsimile: +357-22316770
Email: ghadjipavlou@ari.moa.gov.cy

EDUCATION AND TRAINING

- Doctor of Philosophy (PhD) in Genetics (Cell, Animal and Evolutionary Biology), University of Edinburgh, UK
- Master of Science (MSc) in Biochemistry, Brandeis University, U.S.A.
- Bachelor of Science (BSc) in Biochemistry and Biology, Brandeis University, U.S.A.

RESEARCH INTERESTS

- Dissecting genetic components, quantitative trait loci and polymorphisms affecting production and reproduction traits in local livestock populations
- Genetic study of disease resistance in small ruminants
- Genetic evaluation and selection of sheep and goat breeds
- Use of novel approaches for genomic evaluation of sheep and goats
- Conservation and sustainable use of farm animal genetic resources

ADDITIONAL INFORMATION

Publications

- Wolf-Watz M., Thai V., Henzler-Wildman K., Hadjipavlou G., Eisenmesser E.Z. & Kern D. 2004. Linkage between dynamics and catalysis in a thermophilic-mesophilic enzyme pair. Nature Structural and Molecular Biology 11, 945-49.
- Hadjipavlou G., Matika O., Clop A. & Bishop S.C. 2008. Two single nucleotide polymorphisms in the myostatin (GDF8) gene have significant association with muscle depth of commercial Charollais sheep. Animal Genetics 39, 346-353.
- Hadjipavlou G. & Bishop S.C. 2009. Age-dependent quantitative trait loci affecting growth traits in Scottish Blackface sheep. Animal Genetics 40, 165-175.
- Hadjipavlou G., Hemani G., Leach R., Louro B., Nadaf J., Rowe S. & de Koning D.J. Extensive QTL and association analyses of the QTLMAS2009 data. 2009. BMC Proceedings 4(Suppl. 1), S11.
- Pong-Wong R. & Hadjipavlou G. A two-step approach combining the Gompertz growth model with genomic selection for longitudinal data.2009. BMC Proceedings 4(Suppl. 1), S4.

Trainings

- Hadjipavlou G. 2011. Improvement of productive and reproductive characteristics and disease management of farm animals. A review of research activity from 1975 onward at the Animal Production Section of

the Agriculture Research Institute. Technical Bulletin 2, ISSN 1986-1370.

- Orford M., Hadjipavlou G., Tzamaloukas O., Chatziplis D., Koumas A., Mavrogenis A., Papachristoforou C. & Miltiadou D. 2012. A novel single nucleotide polymorphism in the acetyl-coenzyme A acyltransferase 2 (ACAA2) gene is associated with milk yield in Chios sheep. Journal of Dairy Science 95, 3419-3427.
- Papachristoforou C., Koumas A. & Hadjipavlou G. 2013. Adding value to local breeds with particular reference to sheep and goats. Animal Genetic Resources, 1-6; DOI: S2078633612000495.

Presentations

- Training seminar for colleagues from the Department of Agriculture, on topics of evaluation of natural and artificial rearing systems for lambs and kids and on the implementation of a genetic improvement scheme in sheep and goats – ARI 18/4/2013
- "Use of quantitative genetics to evaluate candidate genes that may affect milk production in Chios sheep" – ARI 14/3/2013
- "Animal production and adaptation to climate change" -Aradippou Municipality 12/2/2013

Conferences

- Improvement of productive and reproductive traits in Cyprus Chios sheep and Damascus goats. 63rd Annual Meeting of the European Association of Animal Production (EAAP), Bratislava, Slovakia
- Candidate genetic loci and their association with milk traits. 4th International Conference of Quantitative Genetics (ICQG), Edinburgh, UK
- Present situation and trends in the Cyprus sheep and goat sector. 62nd Annual Meeting of the European Association of Animal Production (EAAP), Stavanger, Norway
- Identification of established genetic variants associated with milk traits. 61st Annual Meeting of the European Association of Animal Production (EAAP), Heraklion, Greece

Projects

- ARIMNET-DoMEsTIc (part of the ERANET action of the 7th EU FP)
- Establishment, evaluation and management of a nucleus flock, as part of the National Action Plan for combating the scrapie disease in Chios sheep
- Establishment, evaluation and mamagement of a nucleus flock, as part of the National Action Plan for combating the scrapie disease in Damascus goats
- Genetic evaluation and improvement of sheep and goats
- Assessment of various rearing systems for lambs and kids