

Eleni Tsiplakou

Associate Professor

CONTACT INFORMATION

Email:
Address:
Phone:
Date of birth:
Nationality:
Link:

OBJECTIVE

Thorough involvement in the experimental design of projects related to nutrition mainly on ruminants, and on other animal species such as poultry and pigs. These projects aimed to study the effect of different dietary treatments on the production (yield) and quality characteristics (fatty acids profile) of animal origin products (milk and meat), on gene expression (lipolytic, lipogenic etc), on rumen microbial population and on enzyme activities (antioxidants etc). For those projects modern analytical techniques were used such as:

- a) Gas Chromatography (GC) for the fatty acids determination in various biological samples (milk, meat, blood, adipose tissue, liver, feedstuffs, pasture, microalgae etc.)
- b) Molecular techniques for RNA extraction from various biological samples (mammary secretory cells, adipose tissue, liver, etc.) for genes expression determination by using Real Time PCR (RT-PCR)
- c) Molecular techniques for DNA extraction from rumen fluid in order to determine the number and the species of the microbial population in the rumen by using Real Time PCR (RT-PCR) and
- d) Photometer Assays for the enzymes activity determination in various biological samples such as milk, blood and rumen liquid.

Further to the above analytical techniques I have also been involved in mycotoxins determination and other toxic compounds such as pesticides in feedstuffs, liver, muscle and milk by using LC-MS/MS. In addition, I have been working on the development of some in vitro methods for absorption and desorption of mycotoxins from mycotoxins binders. Finally, I have been also involved in projects concerning the Livestock Farming Systems.

Moreover, during my carrier I have been assigned lectures in:

- a) Nutrition of Farm Animals (Theory and Practicals) on the 4th Semester
- b) Ruminants Nutrition (Theory and Practicals) on the 8th Semester
- c) Courses at Masters Program entitled Integrated Management of Milk Production and Dairy Products of the Faculty of Animal Science and Aquaculture and of the Faculty of Food Science and Human Nutrition.
- d) Courses at Masters Program entitled Entrepreneurship and Consulting in Rural Development of the Faculty of Animal Science and Aquaculture and of the Agricultural Economics and Rural Development and
- d) Teaching to Erasmus students

EXPERIENCE

**Iera Odos 75, GR11855,
Athens, Greece**
Jul 2019 - Present

Associate Professor
Agricultural University of Athens

Associate Professor in Ruminants Nutrition at the Department of Nutritional Physiology and Feeding, Faculty of Animal Science and Aquaculture of the Agricultural University of Athens.

**Iera Odos 75, GR11855,
Athens, Greece**
Jul 2014 - Jul 2019

Assistant Professor
Agricultural University of Athens

Assistant Professor in Ruminants Nutrition at the Department of Nutritional Physiology and Feeding, Faculty of Animal Science and Aquaculture of the Agricultural University of Athens.

**Iera Odos 75, GR11855,
Athens, Greece**
Jan 2011 - Jul 2014

Lecturer
Agricultural University of Athens

Lecturer in Ruminants Nutrition at the Department of Nutritional Physiology and Feeding, Faculty of Animal Science and Aquaculture of the Agricultural University of Athens.

**Iera Odos 75, GR11855,
Athens, Greece**
Feb 2009 - Dec 2010

Research fellow
Agricultural University of Athens

Research fellow (P.D. 407/80) at the Department of Nutritional Physiology and Feeding, Faculty of Animal Science and Aquaculture of the Agricultural University of Athens

**Whiteknights, PO Box 217,
Reading Berkshire RG6
6AH, United Kingdom**
May 2009 - Sep 2009

Post Doc Senior Researcher
Reading University

Research Fellow at the Department of Agriculture and Food Biosciences of Reading University, UK.

EDUCATION

**Iera Odos 75, GR11855,
Athens, Greece**
Feb 2010 - Feb 2011

Post Doc Senior Researcher
Agricultural University of Athens

Post Doc Senior Researcher at the Department of Nutritional Physiology and Feeding, Faculty of Animal Science and Aquaculture of the Agricultural University of Athens. Title of the Post Doc Research: «The effect of under and over-feeding on the concentration of conjugated linoleic acid (CLA) of sheep and goats milk fat and on D-9 desaturase gene expression in their mammary gland».

**Iera Odos 75, GR11855,
Athens, Greece**
2006 - 2008

PhD
Agricultural University of Athens

PhD in Animal Nutrition at the Department of Nutritional Physiology and Feeding, Faculty of Animal Science and Aquaculture of the Agricultural University of Athens. Title of the PhD Thesis: «Comparative study between sheep and goats on the concentration of conjugated linoleic acid (CLA) of milk»

**Iera Odos 75, GR11855,
Athens, Greece**
2005 - 2006

MSc
Agricultural University of Athens

MSc. in Animal Nutrition at the Department of Nutritional Physiology and Feeding, Faculty of Animal Science and Aquaculture of the Agricultural University of Athens. Title of the MSc. Thesis: «Conjugated linoleic acid (CLA) concentration in milk of four sheep breeds under the same dietary treatments»

**Iera Odos 75, Athens,
Greece**
1999 - 2005

B.Sc.
Agricultural University of Athens

B.Sc. in Animal Science at the Agricultural University of Athens

LANGUAGES

English
Cambridge English:B2 First
FCE

SKILLS

Customer assistance

PROJECTS

PRINCIPAL INVESTIGATOR IN RESEARCH PROJECTS

1.Evaluation of two products (TIMET and MECOVIT) as feed supplements in sheep (01/11/13 - 1/09/14). Funding source: NUEVO, (Coordinator).

2.Evaluation of different types of calcined magnesites as feed supplement in small ruminants (30/05/14 - 28/02/15). Funding source: TERNAMAG SA, (Coordinator).

3. Dietary supplementation of dairy sheep with Lysigem and/or Metasmart products (01/12/2016 - 30/10/2017). Funding source: KEMIN, (Coordinator).

4. YoGArt: Yogurt of Greece produced with a novel Algae Ration. Funding source: Operational Program Competitiveness, Entrepreneurship & Innovation (EPAnEK) (2020-2022), (Coordinator).

5. The effect of dietary inclusion of live yeast on lambs diet (13/09/2021-12/09/2022). Funding source: DANSTAR SAS, (Coordinator).

6. Analysis of Feed and plasma samples from in vivo trials (1/03/2021-31/12/2022). Funding source: Parma University, (Coordinator).

PARTICIPATION IN RESEARCH PROJECTS

1. Use of some plants extracts in dairy ruminant diets for functional products (10/01/05 - 09/07/05). Funding source: General Secretariat for Research and Innovation (GSRI)

2. Evaluation of Ikaria Island grassland grazed by small ruminants (16/01/06 - 30/04/06). Funding source: Ministry of Rural Development and Food.

3. LIFE 2006. Development of an economically viable process for the integrated management via utilization of winemaking industry waste; production of high added value natural products and organic fertilizer. LIFE 03 ENV/GR/000223 (02/05/06 - 31/09/06). Funding source: European Union.

4. Determination of grazing capacity of Rhodes Island grasslands (01/02/07 - 30/01/08). Funding source: Ministry of Rural Development and Food.

5. Effect of nutrition on chemical and organoleptic characteristics of sheep and goat milk of organic farming systems (01/02/08 - 31/03/08). Funding source:.

6. Determination of additional cost, lost income and farmers cost from agroenvironmental measures application (01/02/08 - 30/09/08). Funding source: Ministry of Rural Development and Food.

7. The use of special diets for *Octopus vulgaris* under practical aquaculture conditions (02/06/08 - 01/09/08). Funding source: Ministry of Rural Development and Food.

8. Evaluation and proposed methods to improve the sheep productivity in Crete (01/12/2008 - 31/01/2009). Funding source: Ministry of Rural Development and Food.

9. Reorganization of agricultural activities in Falesia Prefecture (03/03/09- 31/12/10). Funding source: Falesia Prefecture.

10. Improvement of the infrastructure of Agriculture in Armenia: Establishment a feed mill (01/05/2010 - 15/06/2010). Funding source: Hellenic Republic Ministry of Foreign Affairs.

11. New techniques for organically produced feedstuffs (01/01/12 - 31/03/12). Funding source: Agricultural co-operative of Agrinio Prefecture.
12. Evaluation of mycotoxins binders for poultry (1/02/12 - 31/12/14). Funding source: S&B Industrial Minerals SA.
13. Development of animal production and promotion of animal origin products in Peloponnese Prefecture (01/07/14 - 30/11/14). Funding source: Peloponnese Prefecture.
14. Effect of artificial and natural rearing on qualitative characteristics of lamb meat AgroETAK: Research and Technology Development Innovation projects (01/02/15 - 30/11/15). Funding source: Ministry of Reconstruction of Production, Environment and Energy (YPAPEN).
15. The effect of Sparta INNOLIVE (a by-product from olive production) inclusion on broilers diets on some biochemical and performances parameters (01/04/15 - 31/12/15). Funding source: Sparta company
16. Recharging Greek youth to revitalize the agriculture and feed sector of the Greek economy. New Agriculture for a new generation (05/10/15- 31/12/15), Young farmers training programme (NIARCHOS, Foundation).
17. LIFE 2016. Food for Feed: An Innovative process for transforming hotels food wastes into animal feed. (LIFE15ENU/GR/000257).
18. LIFE 2016. Forage systems for less green house gas emission and more soil carbon sink in continental and Mediterranean agricultural areas. (LIFE15CCM/IT/000039).
19. EU2018. Upgrading and implementing mathematical models to increase nitrogen use efficiency of lactating dairy cows. Marie Skłodowska-Curie Actions (MSCA), Research and Innovation Staff Exchange (RISE), H2020-MSCA-RISE-2017, Project 777974-CowficieNcy.
20. Recharging Greek youth to revitalize the agriculture and feed sector of the Greek economy. New Agriculture for a new generation (03/04/18- 15/06/18) Young farmers training programme. (NIARCHOS, Foundation).
21. Lectures in the short training course, named Triptolemos on sheep/goat and dairy cows farming (01/06/18 - 30/06/18). Funding by the General Secretariat of New Generation and Lifelong learning.
22. Recharging Greek youth to revitalize the agriculture and feed sector of the Greek economy. New Agriculture for a new generation (01/01/19- 31/01/19) Young farmers training programme. (NIARCHOS, Foundation).
23. H2019. Disseminating Innovative Solutions for Antibiotic Resistance Management (05/10/20 - 31/12/21). Project 817591-DISARM.
24. Mitigating Greenhouse Gas Emissions from Livestock Systems (MELS). Funding by the European Regional Development Fund (ERDF) of European Union and Operational Programme Competitiveness, Entrepreneurship and Innovation (EPAnEK) (T11EPA4-00076) (09/10/2020 -30/09/21).

ACHIEVEMENTS

SCHOLARSHIPS

1. Scholarship from the **European Association for Animal Production** (EAAP) to present paper at the EAAP conference in Tallinn of Estonia in August of 2017.
2. Fellowship from the **State Scholarship Foundation of Greece** in 2010 for Post-Doctoral Research at the Department of Nutritional Physiology and Feeding of the Agricultural University of Athens.
3. Scholarship from the **European Association for Animal Production** (EAAP) as young scientist to present paper at the EAAP conference in Barcelona of Spain in August of 2009.
4. Scholarship from the **European Association for Animal Production** (EAAP) as young scientist to participate and present paper at the EAAP conference in Antalya of Turkey in September of 2006.
5. Scholarship from the **State Scholarship Foundation of Greece** during the post graduate studies (2005-2008, MSc. and Ph.D.).

EDITORIAL

1) **Section Editor** in the Italian Journal of Animal Science (20/03/17-08/05/21).

2) **Associate Editor** in the Italian Journal of Animal Science (08/05/21-)

3) **Editorial Board Member** in:

-Journal of Dairy Research

-SciZ Nutrition and Food Science

-Gavin Journal of Food and Nutritional Science

4) **Guest Editor** in Foods Journal (ISSN 2304-8158) Special Issue: Development of Novel Feeding Strategies to Improve Milk and Dairy Quality

5) **Guest Editor** in Animals Journal (ISSN 2076-2615) Special Issue: Nutrients and Feed Additives in Modulating Rumen Microbiome

6) **Guest Editor** and in Frontiers in Animal Science (ISSN: 2673-6225): Seaweeds and Algae in Animal Nutrition.

7) Reviewer of research papers in peer review Journals like: Journal of Dairy Research (14), Small Ruminant Research (21), Journal of Agricultural Science and Technology (2), Animal (4), Livestock Science (7), Journal of Animal Science and Biotechnology (1), Lipids (1), Nutrients (2), Annals of Animal Science (2), British Journal of Nutrition (1), International Journal of Livestock Production (2), International Journal of Molecular Sciences (2), Journal of Applied Animal Research (1), BMC Genetics (1), European Journal of Lipid Science and Technology (1), Animal Feed Science and Technology (5), Journal of Veterinary Science and Animal Husbandry (1), Italian Journal of Animal Science (4), Journal of Animal Science (1), Annals of Agricultural Science (1), Journal of Agricultural and Food Chemistry (1), Journal of Hellenic Veterinary Medical Society (1), Animal Science Review (2), Animals (1).

CHAIRPERSON

1. Chairperson in the session «Animal Nutrition» of the Nutrition Commission at the 61th EAAP Annual Meeting of the European Federation of Animal Science, Heraklion, Greece, 23-27 August, 2010.
2. Chairperson in the session «Feeding (and management) to improve gut barrier function and immunity in livestock» of the Nutrition Commission at the 65th EAAP Annual Meeting of the European Federation of Animal Science, Copenhagen, Denmark, 25-29 August, 2014.
3. Chairperson in the session «Customized nutrition taking into account the health status of farms and individual animals» of the Nutrition Commission at the 66th EAAP Annual Meeting of the European Federation of Animal Science, Warsaw, Poland, 2015.
4. Chairperson in the session «Nutrition» of the Hellenic Society of Animal Sciences, at the 30o Annual Meeting, Giannitsa of Greece, 2015.
5. Chairperson in the session «Nutrition, Intestinal health and Immunity» of the Nutrition Commission at the 68th EAAP Annual Meeting of the European Federation of Animal Science, Tallinn, Estonia, 2017.
6. Chairperson in the session «Nutrition, Inflammation and oxidative stress» of the Nutrition Commission at the 69th EAAP Annual Meeting of the European Federation of Animal Science, Dubrovnik, Croatia, 2018.
7. Chairperson in the session «Nutrition and Physiology» of the Hellenic Society of Animal Sciences, at the 33o Annual Meeting, Preveza of Greece, 2018.
8. Chairperson in the session «Dietary functional components: effects on animal performance, health and environment» of the Nutrition Commission at the 70th EAAP Annual Meeting of the European Federation of Animal Science, Ghent, Belgium, 2019.

INVITED SPEAKER

Invited speaker in the 71st EAAP virtually Annual Meeting of the European Federation of Animal Science, 1-4 of December, 2020

EVALUATOR OF RESEARCH PROJECTS

1. Evaluator of research Project (APVV-0498-07) «Improvement in competitiveness of sheep milk products and stabilization of sheep farming with a view to landscape formation» for the Slovak Research and Development Agency.
2. Evaluator of research Project «NUTRIGEN RUM (IP-2018-01-9356): Lipid metabolism regulation and enrichment of small ruminant products by nutrigenomics » for the Croatian Science Foundation (HRZZ).
3. Evaluator of research Project «METHASheep (IP-2019-04-8344): Methanogenesis modification in sheep by olive cake and grape pomace» for the Croatian Science Foundation (HRZZ).

PAPER PRESENTATIONS AT CONFERENCES

1.E. Tsiplakou, K.C. Mountzouris and G. Zervas, 2004. Concentration of conjugated linoleic acid (CLA) in milk fat of sheep and goats. Book of abstracts of Animal Science Review, No 29, pp. 36.

2.E. Tsiplakou, K. Mountzouris and G. Zervas, 2005. Concentration of conjugated linoleic acid in grazing sheep and goat milk. 56th Annual Meeting of EAAP, Book of abstracts, No 11, pp. 295. Uppsala, Sweden.

- 3.G. Zervas, E. Tsiplakou and I. Zarzouras, 2005. Feeding practices of dairy sheep in Greece. Proceedings of the 6th International Sheep Veterinary Congress, Crete, pp. 334.
- 4.G. Zervas and E. Tsiplakou, 2005. Nutrition and feeding of dairy sheep and goats in traditional systems and their effect on typical products quality. International Symposium on Comparative Advantages for Typical Animal Products from the Mediterranean Area. Vale de Santarém, Portugal, Book of Abstracts, pp. 22.
- 5.E. Tsiplakou, K.C. Mountzouris, I. Zarzouras and G. Zervas, 2005. CLA production from four sheep breeds fed under the same dietary treatments. Book of abstracts of Animal Science Review, No 30, pp. 48.
- 6.E. Tsiplakou, K.C. Mountzouris and G. Zervas, 2006. The effect of breed, stage of lactation and parity on sheep milk fatty acid profile and milk fat CLA content under the same management and particularly feeding practices. 57th Annual Meeting of EAAP, Book of Abstracts, No 12, pp. 197. Antalya, Turkey.
- 7.E. Tsiplakou, K.C. Mountzouris and G. Zervas, 2006. Comparative study on sheep and goats CLA milk fat content under the same dietary treatments. Book of abstracts of Animal Science Review, No 31, pp. 78-79.
- 8.E. Tsiplakou and G. Zervas, 2007. The interaction between breed and diet on CLA and fatty acids content of milk fat of four sheep breeds kept indoors or at grass. 58th Annual Meeting of EAAP, Book of Abstracts, No 13, pp. 333. Dublin, Ireland.
9. E. Tsiplakou and G. Zervas, 2007. Effect of diet on sheep and goats milk fatty acids profile with emphasis on concentration of conjugated linoleic acid (CLA). Book of abstracts of Animal Science Review, No 33, pp. 90.
- 10.I. Hadjigeorgiou, V. Dimitriou, V. Papaspiliotopoulou, E. Tsiplakou and G. Zervas, 2007. The effect of olive tree leaves and grape marc inclusion in dairy sheep and goats diets on feed intake and milk chemical composition. Book of abstracts of Animal Science Review, No 33, pp. 103.
- 11.E. Tsiplakou and G. Zervas, 2007. Differences in CLA and TVA contents in milk fat between sheep and goats fed olive tree leaves and grape marc. 12th Seminar of the FAO-CIHEAM Sub-Network Sheep and Goat Nutrition, Book of Abstracts, pp. 99. Thessaloniki, Greece.
- 12.E. Tsiplakou and G. Zervas, 2007. The interaction between breed and diet on CLA and fatty acids content of milk from four sheep breeds kept indoors or at grass. 12th Seminar of the FAO-CIHEAM Sub-Network Sheep and Goat Nutrition, Book of Abstracts, pp. 105. Thessaloniki, Greece.
- 13.Hadjigeorgiou I, Tsiplakou E, Pouloupoulou I and Zervas G, 2008. Creating sustainable systems of farming organic small ruminants in a Mediterranean environment. 22nd General Meeting of the European Grassland Federation, Book of Abstracts, pp. 106. Uppsala Sweden.
- 14.E. Tsiplakou and G. Zervas, 2008. The effect of olive tree leaves and grape marc inclusion in dairy sheep and goats diets on their CLA and VA milk fat content. 59th Annual Meeting of EAAP, Book of Abstracts, No 14, pp. 225. Vilnius, Lithuania.
- 15.E. Tsiplakou, E. Flemetakis, C. Kalloniati, G. Papadomichelakis, P. Katinakis and G. Zervas, 2008. The role of mRNA stearoyl-CoA desaturase expression on CLA production in milk fat of sheep and goats. Book of abstracts of Animal Science Review, No 34, pp. 64.
- 16.E. Tsiplakou and G. Zervas, 2009. Comparative study between sheep and goats on rumenic acid and vaccenic acid in milk fat under the same dietary treatments. 60th Annual Meeting of EAAP, Book of Abstracts, No 15, pp. 345. Barcelona, Spain.

- 17.E. Tsiplakou, V. Koutrotsios, K.C. Mountzouris and G. Zervas, 2009. Comparative study on milk chemical composition between organic and conventional sheep and goats. Book of abstracts of Animal Science Review, No 36, pp. 79.
18. I. Hadjigeorgiou, G. Economou, E. Theodorou, S. Tsiros, E. Tsiplakou, G. Adamopoulou and B. Kotoulas 2009. Study on the quantitative and qualitative characteristics of plants species mixtures (annual and perennial) under low availability of irrigation water. Book of abstracts of Animal Science Review, No 36, pp. 108.
19. E. Tsiplakou, V. Kotrotsios, I. Hadjigeorgiou and G Zervas, 2010. Differences on sheep and goats milk fatty acid profile between conventional and organic farming systems. 61st Annual Meeting of EAAP, Book of Abstracts, No 16, pp. 3, Heraklion, Greece.
- 20.G. Economou, E. Theodorou, E. Tsiplakou, V. Kotoulas and I. Hadjigeorgiou, 2010. Growth, botanical composition, yield and quality of annual and perennial grass-legume swards under rainfed conditions in Greece. 61st Annual Meeting of EAAP, Book of Abstracts, No 16, pp. 29, Heraklion, Greece.
- 21.S. Vessalas, E. Tsiplakou, K. Tsiboukas and G. Zervas, 2010. Evaluation of beef production systems in Greece. 61st Annual Meeting of EAAP, Book of Abstracts, No 16, pp.205, Heraklion, Greece.
- 22.E. Tsiplakou, S. Chadio, G. Papadomichelakis and G. Zervas, 2011. The effect of long term under/over feeding on milk and plasma fatty acids profile and on insulin and leptin concentrations of goats. IDF International Symposium on Sheep, Goat and other non-Cow milk. Session 2, 16-18 May, Athens, Greece.
- 23.G. Zervas and E. Tsiplakou, 2011. Green house-gas emissions from small ruminants. IDF International Symposium on Sheep, Goat and other non-Cow milk. Session 1, 16-18 May, Athens, Greece.
24. E. Tsiplakou, S. Chadio and G. Zervas, 2011. The effect of long-term under/over feeding on milk and plasma fatty acids profile and on insulin and leptin concentrations of sheep. 62th Annual Meeting of EAAP, Book of Abstracts, No 17, pp. 156, Stavanger, Norway.
- 25.E. Tsiplakou, C. Chrisolouri, S. Chadio, G. Papadomichelakis and G. Zervas 2011. The effect of long-term under/over feeding on milk and plasma fatty acids profile and on insulin and leptin concentrations of goats. Book of abstracts of Animal Science Review, No 37, pp. 65.
26. E. Tsiplakou, E. Fletmetakis, C. Kalloniati and G. Zervas, 2011. Differences between sheep and goats on lipogenic genes expression in their subcutaneous adipose tissue. Book of abstracts of Animal Science Review, No 37, pp. 66.
- 27.D. Sparagkis, E. Tsiplakou, G. Papadomichelakis and G. Zervas, 2011. Comparative study between lambs and kids on their meat fatty acids profile when reared under natural or artificial suckling. 11o Meeting of Chemistry, Limassol, Cyprus, 26-30 October.
- 28.G. Zervas, E. Tsiplakou, I. Hadjigeorgiou, M. Volanis and S. Sotiraki., 2011. The effect of inclusion Carob tree (*Ceratonia siliqua*) pods, Kermes oak (*Quercus coccifera*) and Lentisk (*Pistacia lentiscus*) forage in goats diets on their nutrients digestibility.3rd CAPARA WGs Workshop & MC Meeting of the cost action program Goat-parasite interactions from knowledge to control (COST Action FA 0805), 10-12 November, Limassol Cyprus, pp. 33.

- 29.E. Tsiplakou, A. Tsiligaki, K.C. Mountzouris and G. Zervas, 2012. The effect of soybean and fish oil inclusion in goat diet on their milk and plasma fatty acids. 63th Annual Meeting of EAAP, Book of abstracts, No 18, pp. 152. Bratislava, Slovakia.
- 30.G. Zervas and E. Tsiplakou, 2012. The effect of feedstuffs on safe and quality meat production. Meat Days: Meat and its products, from farm to fork. Proceedings of the 3rd Hellenic Meeting, Meat Days, pp. 21-27.
- 31.N. Paraskevakis, E. Tsiplakou, M. Polusiou, G. Economou, K. Sotirakoglou and G. Zervas, 2012. The effect of goats diet supplementation with *Oregano vulgare* on their rumen fermentations parameters. Book of abstracts of Animal Science Review, No 38, pp. 37.
- 32.E. Tsiplakou, A. Tsiligaki, K.C Mountzouris and G. Zervas, 2012. The effect of soybean and fish oil inclusion in sheep diet on their milk and plasma fatty acids. Book of abstracts of Animal Science Review, No 38, pp. 39.
- 33.G. Papadomichelakis, G. Theodorou, E. Tsiplakou, A. Lampidonis, D. Tsoli, E. Tomara, S. Chadio, G. Zervas and I. Politis, 2012. The effect of protein source in piglets diets on lipid metabolism. Book of abstracts of Animal Science Review, No 38, pp. 41-42.
- 34.G. Theodorou, A. Baldi, G. Papadomichelakis, R. Chronopoulou, E. Tsiplakou, G. Zervas and I. Politis, 2012. The effect of protein source in piglets diets on the expression of pro-inflammation genes. Book of abstracts of Animal Science Review, No 38, pp. 43-44.
- 35.E. Tsiplakou, and G. Zervas, 2013. The effect of feeding level on goats milk and plasma fatty acids profile. 64th Annual Meeting of EAAP, Book of abstracts, No 19, pp. 401. Nantes, France.
- 36.E. Tsiplakou, A. Tsiligaki, K.C Mountzouris and G. Zervas, 2013. The effect of soybean and fish oil inclusion in goats diet on their milk fatty acids profile. Book of abstracts of Animal Science Review, No 39, pp. 101.
- 37.E. Tsiplakou, S. Papaefstathiou, S. Chadio and G. Zervas, 2013. The effect of long-term under/over feeding on milk and plasma fatty acids profile of sheep. Book of abstracts of Animal Science Review, No 39, 102.
- 38.E.N. Sossidou, E. Tsiplakou and G. Zervas, 2014. Options for managing livestock production systems to adapt to climate changes. In: Proceedings of the International Conference ADAPTtoCLIMATE organized in the framework of the LIFE+ co-financed project Development of a national strategy for adaptation to climate change adverse impacts in Cyprus CYPADAPT (LIFE10 ENV/CY/000723), 27-28 March, Nicosia, Cyprus, <http://adapttoclimate.uest.gr>
- 39.E. Tsiplakou, S. Chadio and G. Zervas, 2014. The effect of feeding level on goats milk fatty acids and on insulin and leptin concentrations. 65th Annual Meeting of EAAP, Book of abstracts, No 20, pp. 226, Copenhagen, Denmark.
- 40.S. Siafakas, K. Tsiboukas, E. Tsiplakou, and G. Zervas, 2014. Cows milk cost estimation in relation to farm size and to its milk yield. Book of abstracts of Animal Science Review, No 40, pp. 35-36.
- 41.S. Siafakas, K. Tsiboukas, E. Tsiplakou, and G. Zervas, 2014. Comparative evaluation of home grown and purchased feedstuffs for dairy cows. Book of abstracts of Animal Science Review, No 40, pp. 61-62.

42.C. Mitsiopoulou, E. Tsiplakou, C. Karaiskou, N. Labrou and G. Zervas, 2014. The effect of simultaneous inclusion of soybean and fish oil in goats diets on some antioxidants enzymes in their milk and plasma. Book of abstracts of Animal Science Review, No 40, pp. 67.

43.A.C. Pappas, E. Tsiplakou, M. Georgiadou, M.K. Iliadi, D.I. Tsitsigiannis, and G. Zervas, 2014. The effect of bentonite binders in the presence of mycotoxins to broilers productive characteristics. Book of abstracts of Animal Science Review, No 40, pp. 74-75.

44. L. Giasoumis, E. Tsiplakou, K. Mina and G. Zervas, 2014. The effect of dietary NDF/starch ratio in goats milk fatty acids profile. Book of abstracts of Animal Science Review, No 40, pp. 78.

45.A. Mavrommatis, Th. Kalogeropoulos, E. Tsiplakou, P. Koutsouli, I. Bizelis and G. Zervas, 2015. The effect of methionine and vetaine inclusion in sheep diets on milk yield and its chemical composition. Book of abstracts of Animal Science Review, No 40, pp. 79.

46.P. Pastylianou, E. Tsiplakou, G. Anogiatis, I. Kakabouki, D. Bilalis and G. Zervas, 2014. Effect of organic and conventional fertilization on yield and quality of biomass of Quinoa (*Chenopodium quinoa* Willd.) and Green Amaranth (*Amaranthus retroflexua* L.). Proceedings of the 8th Panhellenic Rangeland Congress, Thessaloniki, 1-3 October, No 18, pp. 239-244.

47.B. Kotsampasi, V. Christodoulou, E. Tsiplakou, G. Zervas, E.N Sossidou, N. Fragioudakis, B.A., Babidis, 2015. The effect of citrus essential oil inclusion to sheep diets on their performance. Proceedings of the 5th Pan-Hellenic Congress in Technology of Animal Production, Thessaloniki, 30 January, pp. 105-106.

48.E. Tsiplakou, E. Fletmetakis and G. Zervas, 2015. The effect of feeding level on genes related to lipid metabolism in the mammary tissue of sheep. 66th Annual Meeting of EAAP, Book of abstracts, No 21, pp. 492, Warsaw, Poland.

49.C. Karaiskou, E. Tsiplakou, C. Mitsiopoulou, N. Labrou and G. Zervas, 2015. The effect of simultaneous inclusion of soybean and fish oil in sheep diets on some antioxidants enzymes in their milk and plasma. Book of abstracts of Animal Science Review, No 42, pp. 69-70.

50.E. Tsiplakou, A.C. Pappas, C. Mitsiopoulou, M. Georgiadou, C.A. Georgiou and G. Zervas, 2015. The determination of bioavailability in different types of calcined magnesites Book of abstracts of Animal Science Review, No 42, pp. 71-72

51.A.C. Pappas, E. Tsiplakou, G. Symeon, C. Vithoulka, C. Litoudi, V. Bekelis, C. Fegeros and G. Zervas, 2015. The effect of dietary inclusion of an olive by-product on the organoleptic characteristics of broilers carcass. Book of abstracts of Animal Science Review, No 42, pp. 85-86.

52.E. Tsiplakou, G. Papadomichelakis, D. Sparaggis, K. Sotirakoglou, M. Georgiadou, and G. Zervas, 2015. The effect of goat milk or milk replacer diet, slaughter weight and sex on the fatty acid profile of muscles of Damascus goats kids. Book of abstracts of Animal Science Review, No 42, pp. 129-130.

53.S. Siafakas, E. Tsiplakou, K. Tsiboukas, and G. Zervas, 2015. Reproductive indicators of dairy cows in relation to the milk yield. Book of abstracts of Animal Science Review, No 42, pp. 143-144.

54.G. Theodorou, E. Tsiplakou, G. Papadomichelakis, M. Sotiriou, J. Bizelis, I. Politis, and G. Zervas, 2015. The effect of artificial rearing on the expression of genes related with meat quality of lambs. Book of abstracts of Animal Science Review, No 42, pp. 145-146.

- 55.G. Danezis, A.C. Pappas, S. Drivelos, E.C. Pappa, M. Zacharioudaki, C. Papachristidis, A. Tsagkaris, E. Tsiplakou, G. Zervas and C.A. Georgiou, 2015. Authentication of Greek PDO and traditional cheeses through rare earth and trace element profile using chemo metrics. Proceedings of the 29th EFFoST International Conference on Food Science Research and Innovation: Delivering sustainable solutions to the global economy and society. 10-12 November, Athens, Greece, pp. 1722.
- 56.G. Danezis, A.C. Pappas, E.C. Pappa, M. Zacharioudaki, A. Tsagkaris, C. Papachristidis, E. Tsiplakou, G. Zervas and C.A. Georgiou, 2016. A method development for the determination of rare earth, trace and macro elements in cheeses. In the 6th National Congress in Metrologia, pp. 107, 13-14 May, Athens.
- 57.G. Theodorou, E. Tsiplakou, G. Papadomichelakis, D. Sparaggis, I. Politis, V. Christodoulou and G. Zervas, 2016. Effect of artificial rearing on fatty acid metabolism and adipogenesis in lambs. 67th Annual Meeting of EAAP, Book of abstracts, No 22, pp. 254, Belfast, UK.
- 58.E. Tsiplakou, G. Papadomichelakis, D. Sparaggis, K. Sotirakoglou, M. Georgiadou and G. Zervas, 2016. Effects of rearing system, sex and age on the fatty acid profile of three muscles in Chios breed. 67th Annual Meeting of EAAP, Book of abstracts, No 22, pp. 645, Belfast, UK.
- 59.A. Mavrommatis, E. Tsiplakou, N. Labrou and G. Zervas, 2016. The effect of dietary *Schizochytrium* sp. inclusion on the antioxidant enzymes activities of goats blood plasma and milk. Book of abstracts of Animal Science Review, No 44, pp. 89-90.
- 60.C. Karaiskou, E. Tsiplakou, C. Mitsiopoulou, A.C. Pappas, K. Sotirakoglou, N. Labrou and G. Zervas, 2016. The effect of simultaneous dietary inclusion of sesame meal, vitamin E and Se on the antioxidant enzymes activities of goats blood plasma and milk. Book of abstracts of Animal Science Review, No 44, 91-92.
- 61.G. Danezis, A.C. Pappas, E. Tsiplakou, E.C. Pappa, M. Zacharioudaki, A. Tsagkaris, K. Sotirakoglou, G. Zervas and C.A. Georgiou, 2016. Investigation on the elementary food print of PDO cheeses. Book of abstracts of Animal Science Review, No 44, pp. 93-94.
- 62.A. Mavrommatis, E. Tsiplakou, N. Labrou and G. Zervas, 2016. The effect of dietary *Schizochytrium* sp. inclusion on the fatty acids profile of goats milk and blood plasma. Book of abstracts of Animal Science Review, No 44, pp. 97-98.
63. C. Mitsiopoulou, E. Tsiplakou, C. Karaiskou, A.C. Pappas, K. Sotirakoglou and G. Zervas, 2016. The effect of simultaneous dietary inclusion of sesame meal, vitamin E and Se on the quality characteristics of goat milk. Book of abstracts of Animal Science Review No, 44, pp. 99-100.
- 64.C. Christodoulou, B. Kotsampasi, E. Tsiplakou, B. Babidis, A. Mavrommatis, C. Mitsiopoulou, C. Karaiskou, V. Christodoulou, G. Zervas and D. Dotas, 2016. The effect of pomegranate pulp dietary inclusion on the quality characteristics of cows milk. Book of abstracts of Animal Science Review, No 44, pp. 107-108.
- 65.G. Danezis, A. C. Pappas, A. Tsagkaris, E. Tsiplakou, E. C. Pappa, M. Zacharioudaki, G. Zervas and C. A. Georgiou, 2017. Greek PDO Feta authentication through elemental fingerprinting. 6th International Congress on Food Technology. Current Trends and Future Perspectives in food sector: From novel concepts to industrial applications. 18-19 March, Athens, Greece.
- 66.E. Tsiplakou, G. Papadomichelakis, D. Sparaggis, K. Sotirakoglou, M. Georgiadou and G. Zervas, 2017. Effects of rearing system, sex and age on the muscles fatty acid profile of Damascus goat kids. 68th Annual Meeting of EAAP, Book of abstracts, No 23, pp. 356, Tallinn, Estonia.

- 67.G. Danezis, A.C. Pappas, E. Tsiplakou, E.C. Pappa, M. Zacharioudaki, A. S. Tsagkaris, K. Sotirakoglou, G. Zervas and C. A. Georgiou, 2017. Nutritional value and safety of Greek PDO cheeses through elemental metabolomics. 10th International Conference on Instrumental Methods of Analysis (IMA), P3-28, pp. 29, 17-21 September, Heraklion, Greece.
- 68.G. Danezis, A.C. Pappas, E. Tsiplakou, E.C. Pappa, M. Zacharioudaki, A. S. Tsagkaris, K. Sotirakoglou, G. Zervas and C.A. Georgiou, 2017. Soft cheeses, authentication and discrimination from possible imitations using elemental metabolomics. 10th International Conference on Instrumental Methods of Analysis (IMA), P3-29, pp. 29-30, 17-21 September, Heraklion, Greece.
- 69.A. Mavrommatis, C. Mitsiopolou, D. Bouriti, J. Dimou, G. Zervas and E. Tsiplakou, 2017. The effect of dietary supplementation with rumen protected amino acids in ewes milk. Book of abstracts of Animal Science Review, No 46, pp. 68-69.
- 70.A. Mavrommatis, I. Vouga, K. Karapourtioti, Z. Komi, G. Zervas and E. Tsiplakou, 2017. The impact of dietary interaction between the microalgae *Schizochytrium* sp. and the forage to concentrate ratio on goats milk chemical composition and fatty acid profile. Book of abstracts of Animal Science Review, No 46, pp. 80-81.
- 71.G. Theodorou, E. Tsiplakou, A.N. Triantou, G. Papadomichelakis, D. Sparaggis, I. Politis, G. Zervas, 2017. The effects of artificial rearing on genes expression related to lipogenesis on Damascus goat kids. Book of abstracts of Animal Science Review, No 46, pp. 93-94.
- 72.G. Papadomichelakis, E. Tsiplakou, A.C. Pappas, K. Vithoulka, K. Litoudi, V. Mpekalis, K. Feggeros and G. Zervas, 2017. The effect of dietary inclusion of olive by-product on broilers meat fatty acid profile and antioxidant capacity. Book of abstracts of Animal Science Review, No 46, pp. 72-73.
- 73.G. Danezis, A.C. Pappas, E. Tsiplakou, E.C. Pappa, M. Zacharioudaki, A. Tsagkaris, K. Sotirakoglou, G. Zervas and C.A. Georgiou., 2018. Authentication of semi-hard and hard Greek PDO cheeses by the use of Elemental metabolomics. In the 7th National Congress in Metrologia, P26, pp. 99, 11-12 May, Athens.
- 74.E. Tsiplakou, A. Mavrommatis, K. Sotirakoglou, N. Labrou and G. Zervas 2018. Methionine alone or in combined with choline and betaine affects ewes milk and antioxidant capacity. 69th Annual Meeting of EAAP, Book of abstracts, No 24, pp.221, Dubrovnik, Croatia.
- 75.C. Christodoulou, B. Kotsampasi, E. Tsiplakou, A. Mavrommatis, Mitsiopolou, C. Karaiskou, D. Ntotas, V. Bampidis, V. Christodoulou, G. Zervas, 2017. Pomegranate pulp silage inclusion on lactating dairy cows diets and its effects on milk yield, antioxidant status and milk fatty acid profile. XII Kabrts Dietetic Days International Conference. Abstracts p. 181-187. Brno, Czech Republic, 20 April 2017.
- 76.G.P. Danezis, A.C. Pappas, E. Tsiplakou, E.C. Pappa, A. Mavrommatis, M. Zacharioudaki, A.S. Tsagkaris, C.A. Papachristidis, K. Sotirakoglou, G. Zervas and C.A. Georgiou, 2018. Fusion of elemental and fatty acid profile for authentication of Greek PDO and traditional cheeses. 11th Aegean Analytical Chemistry Days, 25-29 September, P2-31, PP.155, Chania, Crete, Greece.
- 77.G. Zervas, A. Mavrommatis, C. Mitsiopolou and E. Tsiplakou, 2018. Management and dietary data of the Greek, dairy cows farms. Book of abstracts of Animal Science Review, No 47, pp. 25-26.
- 78.S. Siafakas, K. Tsiboukas, E. Tsiplakou, A. Kominakis and G. Zervas, 2018. Typology analysis of Greek dairy cows farms. Book of abstracts of Animal Science Review, No 47, pp. 37-38.
- 79.A. Mavrommatis, N. Labrou, G. Zervas and E. Tsiplakou, 2018. The impact of the interaction between the dietary supplementation with *Schizochytrium* sp. and the forage to concentrate ratio of the diet on the

activities of antioxidant enzymes in goats blood and milk. Book of abstracts of Animal Science Review, No 47, pp. 68-69.

80.C. Mitsiopolou, G. Zervas and E. Tsiplakou, 2018. The effect of dietary supplementation with sesame seeds on qualitative and quantitative characteristics of goat milk. Book of abstracts of Animal Science Review, No 47, pp. 70.

81.A. Mavrommatis, D. Skliros, E. Fliemetakis, G. Zervas and E. Tsiplakou, 2018. The impact of dietary supplementation with rumen protected amino acids on the immune system of ewes. Book of abstracts of Animal Science Review, No 47, pp.76-77.

82. G.P. Danezis, A.C. Pappas, E. Tsiplakou, E.C. Pappa, A. Mavrommatis, M. Zacharioudaki, A.S. Tsagkaris, C.A. Papachristidis, K. Sotirakoglou, G. Zervas and C.A. Georgiou, 2018. Authentication of Greek PDO cheeses through data fusion of elemental, fatty acid profile and physicochemical properties. Athens Conference on Advances in Chemistry (ACAC 2018), 30 October-2 November, National and Kapodistrian University of Athens (NKUA), Athens, Greece.

83.A. Charisi, Ch.M. Chatziantoniou, I.K. Mitsopoulos, B. Kotsampasi, Ch. Christodoulou, E. Tsiplakou and V.A. Bampidis, 2019. Dietary pomegranate seed oil supplementation on performance and egg quality of laying hens. 7th Hellenic Conference in Technology in Animal Production, Thessaloniki, February, 2019.

84.A. Nudda, Buffa G., E. Tsiplakou, M.G. Cappai, G. Battacone, P.P.N. Macciotta and G. Pulina, 2019. Addition of grape marc to dairy sheep diet improves milk yield and oxidation status of animals. American Dairy Science Association (ADSA), In the session of Ruminant Nutrition: Digestion and Metabolism, Annual Meeting, 23-26 June, Cincinnati, Ohio. Book of Abstracts pp. 229.

85.A. Nudda, G. Buffa, E. Tsiplakou, M.G. Cappai, G. Spano and G. Pulina, 2019. Effects of by-products on oxidative status, metabolic profile, and performance in dairy sheep. 23rd Animal Science and production Association (ASPA) Congress, Book of Abstract No 18, pp88, Oral 88, 1114 of June, Sorrento, Italy.

86.C. Christodoulou, J.M. Moorby, E. Tsiplakou and A. Foskolos, 2019. Evaluation of nitrogen excretion equations for pasture-fed dairy cows. 70th Annual Meeting of EAAP, Book of abstracts, No 25, pp. 381, Ghent, Belgium.

87. M. Simoni, F. Righi, A. Foskolos, E. Tsiplakou and A. Quarantelli, 2019. Evolution of the rumen fluid enzymatic activity during in vitro incubation. 70th Annual Meeting of EAAP, Book of abstracts, No 25, pp. 556, Ghent, Belgium.

88.F. Angelopoulou, E. Tsiplakou and D. Bilalis, 2019. Impact of compost application on fall-seeded Camelina yield and seed quality. 18th International Conference, Life Science for Sustainable Development. University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca, 26-28 October, Romania.

89.A. Sintori, E. Tsiplakou and G. Zervas, 2019. Feeding systems with forages for lower green house gasses emissions. Book of abstracts of Animal Science Review, No 49, pp. 40-41.

90.C. Mitsiopolou, A. Mavrommatis, P. Kyriakaki, M. Lagonikou, G. Zervas and E. Tsiplakou, 2019. Determination of the nitrogen efficiency in sheep and goats diets in various production systems. Book of abstracts of Animal Science Review, No 49, pp. 42-43.

91.A. Mavrommatis, D. Skliros, E. Fliemetakis, G. Zervas, E. Tsiplakou, 2019. The effect of microalgae Schizochytrium sp. in goats rumen microbiome. Book of abstracts of Animal Science Review, No 49, pp. 44-45.

92.A. Mavrommatis, G. Theodorou, I. Politis, G. Zervas and E. Tsiplakou, 2019. The effect of microalgae *Schizochytrium* sp. in the expression of selected genes of the immune system. Book of abstracts of Animal Science Review, No 49, pp. 46-47.

93.C. Mitsiopoulou, N. Labrou, G. Zervas and E. Tsiplakou, 2019. The effect of dietary sesame seeds incorporation in the antioxidant enzymes activities of goats both blood plasma and milk. Book of abstracts of Animal Science Review, No 49, pp. 50-51.

94.C. Christodoulou, B. Kotsampasi, C. Mitsiopoulou, V. Ntotas, V. Christodoulou, G. Zervas and E. Tsiplakou, 2019. The effect of dietary inclusion of *Camelina* seeds on the quantitative and qualitative characteristics of sheep milk. Book of abstracts of Animal Science Review, No 49, pp. 64-65.

95. E. Giamouri, A.C. Pappas, G. Papadomichelakis, E. Tsiplakou, K. Sotirakoglou, C. Feggeros and G. Zervas, 2019. Study of the incorporation of restaurants food wastes into the diet of broilers in their productive characteristics. Book of abstracts of Animal Science Review, No 49, pp. 68-69.

96.E. Giamouri, G. Papadomichelakis, A.C. Pappas, E. Tsiplakou, C. Feggeros and G. Zervas, 2019. Study of the incorporation of restaurants food wastes into the fattened pigs diet to its productive yields and meat parameters. Book of abstracts of Animal Science Review, No 49, pp. 70-71.

97.S. Siafakas, K. Tsiboukas, E. Tsiplakou and G. Zervas, 2019. Determining the effectiveness of mixed farming systems of dairy cows which produce home grown feedstuffs. Book of abstracts of Animal Science Review, No 49, pp. 81-82.

98.A. Mavrommatis, C. Mitsiopoulou, M. Lagonikou, P. Kyriakaki, Th. Bartzianas, E. Tsiplakou, and G. Zervas, 2019. An assessment of the amount of greenhouse gases emissions produced by different farming systems of sheep and goats in Greece. Book of abstracts of Animal Science Review, No 49, pp. 83-84.

99.I. Peppas, B. Kotsampasi, D. Kalogiannis, M. Karatza, M. Anastasiadou, E. Tsiplakou and S. Chadio, 2019. Effect of methionine and choline administration on establishment of pregnancy and fetal development in sheep. Book of abstracts of Animal Science Review, No 49, pp. 104-105.

100.A. Mavrommatis, D. Skliros, E. Flietakis, E. Tsiplakou, 2019. Monitoring rumen microbiome manipulation under microalgae dietary supplementation using Next Generation Sequencing. 70th Annual Conference of the Hellenic Society of Biochemistry and Molecular Biology (HSBMB), Athens, Book of Abstract, P24, pp. 122.

101.A. Mavrommatis, D. Skliros, E. Flietakis, E. Tsiplakou, 2019. Monitoring rumen microbiome manipulation under microalgae dietary supplementation using Next Generation Sequencing. 7th National Young Investigators Forum of Hellenic Society of Biochemistry and Molecular Biology (HSBMB), Athens, Book of Abstract, P83, pp. 110.

102.P. Panteli, M. Georgiou, N. Stylianidis, E. Tsiplakou,

N. Paßlack, K. Lasaridi, E. Terzis, Chr. Bouki, F. Galliou and Thr. Manios, 2019. Transformation of Hotel Food Waste into Animal Feed: Two Operational Periods of the Food for Feed Pilot Unit. Proceedings 2019, 30, 53; doi:10.3390/proceedings2019030053.

103.A. Mavrommatis, A. Mataragka, J. Ikonopoulos, E. Tsiplakou, G. Zervas, 2020. Disseminating Innovative Solutions for Antibiotic Resistance Management–DISARM. 2nd International Conference of the European College of Veterinary Microbiology, Bari, Italy, virtual. 25-27 October, 2020. Book of abstract, pp 84.

104. A. Mavrommatis, C. Mitsiopoulou, T. Bartzanas, E. Tsiplakou, G. Zervas, M.T. Pacchioli, 2020. Evaluation of the greenhouse gases emitted by different sheep and goat farming systems in Greece. 1st International

105. C. Mitsiopoulou, A. Mavrommatis, E. Tsiplakou, G. Zervas, M.T. Pacchioli, 2020. Dietary nitrogen efficiency in dairy small ruminants under different farming systems. 1st International Symposium on Climate-Resilient Agri-Environmental Systems (ISCRAES), pp.59, Virtual Event 3 to 6 November 2020, Dublin.

106.A. Mavrommatis, A. Mataragka, J. Ikonopoulos, E. Tsiplakou, G. Zervas, 2020. Disseminating Innovative Solutions for Antibiotic Resistance Management-DISARM. 12th Hellenic Union of Bio-Scientist, Greece, Pasteur Institute. 27-29 November, 2020.

107. E. Giamouri, A.C. Pappas, G. Papadomichelakis, E. Tsiplakou, K. Sotirakoglou, K., Fegeros, G. Zervas, 2020. Effects of dietary dried food waste addition to broiler diets on growth performance and haematological parameters. 71st Annual Meeting of EAAP, Book of abstracts, No 26, pp. 231, Virtual Event on 1th -4th December 2020.

108.E. Giamouri, G. Papadomichelakis, A.C. Pappas, E. Tsiplakou, K., Fegeros, G. Zervas, 2020. Performance and meat quality as affected by the dietary inclusion of food waste in fattening pigs. 71st Annual Meeting of EAAP, Book of abstracts, No 26, pp. 247, Virtual Event on 1th -4th December 2020.

109. R.G. Pitino, M. Simoni, A. Foskolos, E. Tsiplakou, M. Ablondi, A. Quarantelli, F. Righi, 2020. Available and missing information on production factors in dairy farms located in the Parmigiano Reggiano cheese production area. 71st Annual Meeting of EAAP, Book of abstracts, No 26, pp. 495, Virtual Event on 1th -4th December 2020.

110.E. Tsiplakou, A. Mavrommatis, C. Mitsiopoulou, 2020. The rumen-protected amino acids affect sheep milk chemical composition and antioxidant capacity. 71st Annual Meeting of EAAP, Book of abstracts, No 26, pp. 608, Virtual Event on 1th -4th December 2020.

111.E. Tsiplakou, Mavrommatis, D. Skliros, F. Righi, E. Flemetakis, 2020. The role of amino acids on the expression of genes involved on ewes immune system. 71st Annual Meeting of EAAP, Book of abstracts, No 26, pp. 609, Virtual Event on 1th -4th December 2020.

112.E. Giamouri, A. Pappas, G. Papadomichelakis, E. Tsiplakou, K. Feggeros, G. Zervas, K. Sotirakoglou, 2021. Effects of Dietary Dried Food Waste Addition to Broiler Diets on Growth Performance and Haematological Parameters. Rethink food waste (RETASTE) Conference, Book of Abstracts Vol. 1, pp. 177, RETASTE-F4F-2, 6-8 of May, Athens, Greece.

113. E. Giamouri, G. Papadomichelakis, A.C. Pappas, E. Tsiplakou, K. Feggeros, G. Zervas, 2021. Performance and Meat Quality as Affected by the Dietary Inclusion of Food Waste in Fattening Pigs. Rethink food waste (RETASTE) Conference, Book of Abstracts Vol. 1, pp. 178, RETASTE-F4F-2, 6-8 of May, Athens, Greece.

114.A. Mavrommatis, D. Skliros, E. Flemetakis, E. Tsiplakou, 2021. Microalgae *Schizochytrium* spp.: A game-changer in goats rumen microbiome. 72nd Annual Meeting of EAAP, Book of abstracts, No 27, pp. 179, Davos, Switzerland.

115. A. Mavrommatis, E. Tsiplakou, 2021. DHA and ω 6-DPA Modify Toll-like receptor 4 Signaling in Monocytes and Neutrophils of Dairy Goats. 72nd Annual Meeting of EAAP, Book of abstracts, No 27, pp. 393, Davos, Switzerland.

116. F. Righi, R. Pitino, M. Simoni, C. L. Manuelian, M. De Marchi, E. Tsiplakou, 2021. Plant feed additives as natural alternatives to synthetic antioxidant vitamins in organic livestock farming. 72nd Annual Meeting of

EAAP, Book of abstracts, No 27, pp. 489, Davos, Switzerland.

117. M. Simoni, C. L. Manuelian, A. Goi, E. Tsiplakou, M. De Marchi, F. Righi, 2021. Scutellaria baicalensis extract: effects on intake, health status and performances of beef cattle. 72nd Annual Meeting of EAAP, Book of abstracts, No 27, pp. 490, Davos, Switzerland.

118. E. Royer, A. Mavrommatis, F. Leen, L. Delaisse, E. Tsiplakou, H. Ferreira, G. Zervas, 2021. Evaluation of a multi-actor farm team in prudent use of antibiotics in French and Greek dairy sheep. 72nd Annual Meeting of EAAP Book of abstracts, No 27, pp. 511, Davos, Switzerland.

119. S. Carta, E. Tsiplakou, Chr. Mitsiopolou, G. Pulina, 2021. The effect of cocoa husks supplementation on fatty acids profile and blood and milk antioxidant status of dairy ewes. Book of Abstract No 20, pp. 23, Session 6, 24th Animal Science and production Association (ASPA) Congress, 2124 of September, Padova.

120. S. Carta, E. Tsiplakou, A. Nudda, 2021. Novel by-products in goat nutrition: effect on milk yield and composition. Book of Abstract No 20, pp. 73, Session 24, 24th Animal Science and production Association (ASPA) Congress, 2124 of September, Padova.

121. V. Lind, A. Schwarm, M. Mele, A. Cappucci, G. Foggi, Ö. Sizmaz, E. Tsiplakou, A. S. Atzori, J. Van Mullem, N. Peiren, 2021. Nutritional approaches to reduce enteric methane emission from ruminants. Cost meeting for ammonia and greenhouse gas emission from animal production housing (livAGE), 9-10 September, Gent, ILVO, Belgium.

122. C. Christodoulou, A. Mavrommatis, B. Kotsampasi, V. Ntotas, F. Righi and E. Tsiplakou, 2021. The effect of dietary inclusion of Spirulina on the qualitative characteristics and oxidative capacity of sheep milk. Book of abstracts of Animal Science Review, No 50, pp. 24.

123. C. Christodoulou, A. Mavrommatis, G. Symeon, V. Ntotas, K. Sotirakoglou, B. Kotsampasi, F. Righi and E. Tsiplakou, 2021. The effect of dietary inclusion of Camelina on oxidative capacity of sheep milk and organism. Book of abstracts of Animal Science Review, No 50, pp. 25.

124. E. Giamouri, A. C. Pappas, G. Papadomichelakis, E. Tsiplakou, C. Feggeros and G. Zervas, 2021. The dietary incorporation of restaurants food wastes on the productive characteristics of broilers. Book of abstracts of Animal Science Review, No 50, pp. 31.

125. H. C. de C. Ferreira, M. Heyndrickx, L. Peeters, S. Baraitareanu, A. Mavrommatis, E. Tsiplakou, G. Zervas, I. Chantziaras, K. Kovalenko, A. Ilgaza, A. Malniece, S. Eglite, E. Wauters, 2022. Application of Multi-actor farm health approaches for the improvement of antimicrobial use practices across nine European Countries Quantification, Benchmarking and Stewardship of Veterinary Antimicrobial Usage 3rd International Conference, 5-6 May 2022, Hannover, Germany.

PARTICIPATION IN DAYS SEMINAR

1. One-day Seminar entitled Perspectives and Opportunities of the Dairy Industry of Greece by the Greek National Committee of the International Dairy Federation (IDF), 22 November 2006, Athens, Greece.

2. HARVARD Nutrition and Metabolism Seminar-Mediterranean Diet in the 21st Century, Foundation Aristidis Daskalopoulos in cooperation with the Human Nutrition Research Unit at BIDMC and HARVARD Medical School, 31 March, 2007, Athens, Greece.

3. One-day Seminar entitled Quality in Higher Education taken place at the Agricultural University of Athens in the frame of Business program Education and Lifelong Learning co financed by the European Union and

4. One-day Seminar entitled Preservation and Management of Farm Animals genetic resources: Necessity and Investment at the same time taken place at the Agricultural University of Athens by the Hellenic Society of Animal Production (HSAP) in cooperation with the Hellenic Republic Ministry of Rural Development and Food and with the ELGO-DIMITRA, 1 July 2014, Athens, Greece.

5. KEMIN Seminar Connecting the dots of Amino acids nutrition to maximize the farm efficiency 6-8 June 2017, Lisbon of Portuguese.

6. One-day Seminar entitled Presuppositions and perspectives for dairy cows farming development in Western Peloponnese organized by the dairy DELTA and the feed mill Eurofeeds in the frame of GAIA for support and development of the primer sector. 12 March 2018, Kourouta, Amaliadas, Greece.

7. One-day Seminar entitled The First Dairy Conference organized by Greek Dairy Industries in 29 November 2019, Athens, Greece.

8. One-day Seminar «Utilization of organic waste and new opportunities through the new legal framework for integrated waste management» organized by The Hellenic Mediterranean University in 26 of November 2021, Virtual.

9. One-day Seminar entitled 3rd Seminar for Ruminants Feeding taken place at the University of Thessaly in Larisa in 18 of November, 2021.

HONORS & AWARDS

Award from the Dairy Industry FrieslandCampina Hellas in the competition «Idea challenge 2019» entitled «Pilot application of a Research Project in FrieslandCampina Hellas».

Award from the European Association for Animal Production (EAAP) as the best young scientist for 2017, in Tallinn of Estonia.

Awarded as one of the best reviewer of Small Ruminant Research Journal for the years 2014 and 2016.

Award/funding from the Department of Nutritional Physiology and Feeding of the Agricultural University of Athens as the best post graduate student to participate and present paper at the European Association for Animal Production (EAAP) in Uppsala of Sweden in June of 2005.

PUBLICATIONS

1. **E. Tsiplakou**, 2006. The concentration of Conjugated linoleic acid (CLA) in the milk of four sheep breeds fed under the same dietary treatments. MSc.

2. **E. Tsiplakou**, 2008. Comparative study between sheep and goats on its milk conjugated linoleic acid (CLA). PhD. Thesis, Agricultural University of Athens.

3. G. Zervas and **E. Tsiplakou**, 2006. Nutrition and feeding of dairy sheep and goats in traditional systems and their effect on typical products quality. In: Animal products from the Mediterranean area, Editors: J.M.C. Ramalho Ribeiro, A.E.M. Horta, C. Moscani and A. Rosati. EAAP Publication No. 119, pp 151-154.

4. **E. Tsiplakou**, K.C. Mountzouris and G. Zervas, 2006a. Concentration of conjugated linoleic acid in grazing sheep and goat milk fat. Livestock Science, 103, 74-84.

5. **E. Tsiplakou**, K.C. Mountzouris and G. Zervas, 2006b. The effect of breed, stage of lactation and parity on sheep milk fat CLA content under the same feeding practices. *Livestock Science*, 105, 162-167.
6. **E. Tsiplakou**, A. Kominakis and G. Zervas, 2008. The interaction between breed and diet on CLA and fatty acids content of milk fat of four sheep breeds kept indoors or at grass. *Small Ruminant Research*, 74 (1-3), 179-187.
7. **E. Tsiplakou** and G. Zervas, 2008a. The effect of dietary inclusion of olive tree leaves and grape marc on the content of conjugated linoleic acid and vaccenic acid in the milk of dairy sheep and goats. *Journal of Dairy Research*, 75 (3), 270-278.
8. **E. Tsiplakou** and G. Zervas, 2008b. Comparative study between sheep and goats on rumenic acid and vaccenic acid in milk fat under the same dietary treatments. *Livestock Science*, 119, 87-94.
9. **E. Tsiplakou**, E. Fletmetakis, C. Kalloniati, G. Papadomichelakis, P. Katinakis and G. Zervas, 2009. Sheep and goats differences in CLA and fatty acids milk fat content in relation with mRNA stearoyl-CoA desaturase and lipogenic genes expression in their mammary gland. *Journal of Dairy Research*, 76 (4), 392-401.
10. **E. Tsiplakou**, V. Kotrotsios, I. Hadjigeorgiou and G. Zervas, 2010. Differences in sheep and goats milk fatty acid profile between conventional and organic farming system. *Journal of Dairy Research*, 77 (3), 343-349.
11. **E. Tsiplakou**, C.J. Anagnostopoulos, K. Liapis, S.A. Haroutounian and G. Zervas, 2010. Pesticides residues in milks and feedstuff of farm animals drawn from Greece. *Chemosphere*, 80 (5), 504-512.
12. **E. Tsiplakou**, I. Hadjigeorgiou, K. Sotirakoglou and G. Zervas, 2011. Differences in mean retention time of sheep and goats under controlled feeding practices. *Small Ruminant Research*, 95 (1), 48-53.
13. **E. Tsiplakou**, E. Fletmetakis, C. Kalloniati and G. Zervas, 2011. Differences in mRNA lipogenic gene expression in the subcutaneous adipose tissue of sheep and goats under the same dietary treatments. *Small Ruminant Research*, 99 (2-3), 110-115.
14. G. Zervas and **E. Tsiplakou**, 2011. The effect of feeding systems on the characteristics of products from small ruminants. *Small Ruminant Research*, 101 (1-3), 140-149.
15. **E. Tsiplakou**, S. Chadio, G. Papadomichelakis and G. Zervas, 2012. The effect of long term under- and over- feeding on milk and plasma fatty acids profile and on insulin and leptin concentrations of goats. *International Dairy Journal*, 24 (2), 87-92.
16. G. Zervas and **E. Tsiplakou**, 2012. An assessment of GHG emissions from small ruminants in comparison with GHG emission from large ruminants and monogastric livestock. *Atmospheric Environment*, 49, 13-23.
17. **E. Tsiplakou**, S. Chadio and G. Zervas, 2012. The effect of long term under- and over- feeding of sheep on milk and plasma fatty acids profiles and on insulin and leptin concentrations. *Journal of Dairy Research*, 79 (2), 192-200.
18. G. Zervas and **E. Tsiplakou**, 2013. Goat milk. In: *Milk and Dairy Products in Human Nutrition*, Publisher: John Wiley & Sons, Oxford, eds. Y.W.Park and G.F.W Haenlein. 498-518.

- 19.**E. Tsiplakou** and G. Zervas 2013. Changes in milk and plasma fatty acid profile in response to fish and soybean oil supplementation in dairy sheep. *Journal of Dairy Research*, 80 (2), 205-213.
- 20.**E. Tsiplakou** and G. Zervas 2013. The effect of fish and soybean oil inclusion in goat diet on their milk and plasma fatty acid profile. *Livestock Science*, 155 (2-3), 236-243.
- 21.**E. Tsiplakou**, E. Fliemetakis, E. Kouri, C. Kalloniati, K. Sotirakoglou and G. Zervas, 2013. Differences in urokinase plasminogen activator (u-PA) and its receptor (u-PAR) genes expression in subcutaneous adipose tissue between sheep and goats. *Livestock Science*, 157, 345-350.
- 22.**E. Tsiplakou**, G. Economou, I. Hadjigeorgiou, A. Kominakis and G Zervas 2013. Plant species mixtures for forage production for ruminant feeding under Mediterranean conditions. *Experimental Agriculture*, 50(3), 426-437.
- 23.I. Kakabouki, D. Bilalis, A. Karkanis, G. Zervas, **E. Tsiplakou** and D. Hela, 2014. Effects of fertilization and tillage system on growth and crude protein content of quinoa (*Chenopodium quinoa* Willd.): An alternative forage crop. *Emirates Journal of Food and Agriculture*, 26, 18-24.
- 24.G. Theodorou, G. Papadomichelakis, **E. Tsiplakou**, R. Chronopoulou, G. Zervas and I. Politis, 2014. Association of dietary soy with expression of various pro-inflammatory genes in porcine phagocytes. *International Journal of Health, Animal Science and Food Safety* 1, 1-8.
- 25.P. Simitzis, G. Papadomichelakis, **E. Tsiplakou**, G. Theodorou, G. Zervas, I. Politis 2014. Effect of dietary protein source on piglet meat quality characteristics. *International Journal of Health, Animal Science and Food Safety* 1, 15-26.
- 26.A.C. Pappas, **E. Tsiplakou**, M. Georgiadou, C.J. Anagnostopoulos, K. Liapis, A.N. Markoglou and G. Zervas, 2014. Bentonite binders in the presence of mycotoxins: Results of in vitro preliminary tests and an in vivo broiler trial. *Applied Clay Science*, 99, 48-53.
- 27.**E. Tsiplakou**, C.J. Anagnostopoulos, K. Liapis, S.A. Haroutounian and G. Zervas, 2014. Determination of mycotoxins in feedstuffs and ruminants milk using an easy and simple LC-MS/MS multiresidue method. *Talanta*, 130, 8-19.
- 28.E.N. Sossidou, **E. Tsiplakou**, G. Zervas, 2014. Options for managing livestock production systems to adapt to climate change. *Journal of Earth Science and Engineering*, 4, 415-427.
- 29.P. Pastylianou, I. Kakabouki, **E. Tsiplakou**, I. Travlos, D. Bilalis, D. Hela, D. Chachalis, G. Anogiatis, G. Zervas, 2014. Effect of fertilization on yield and quality of biomass of Quinoa (*Chenopodium quinoa* Willd.) and Green Amaranth (*Amaranthus retroflexua* L.). *Bulletin UASVM Horticulture*, 71 (2), 288-292.
30. G. Theodorou, G. Papadomichelakis, **E. Tsiplakou**, A.D. Lampidonis, S. Chadio G. Zervas, and I. Politis, 2015. Effects of soyabean meal- or whey-based diets on lipid metabolism in weaned piglets. *Journal of Animal Physiology and Animal Nutrition*, 99 (1), 92-99.
- 31.**E. Tsiplakou**, E. Fliemetakis, E. Kouri, K. Sotirakoglou and G. Zervas, 2015. The effect of long term under- and over-feeding on the expression of genes related to lipid metabolism in the mammary tissue of sheep. *Journal of Dairy Research*, 82, 107-112.
- 32.**E. Tsiplakou**, E. Fliemetakis, E. Kouri, and G. Zervas, 2015. The effect of long term under- and over-feeding on the expression of genes related to lipid metabolism in the mammary tissue of goats. *Livestock Science*, 173, 32-37.

33. **E. Tsiplakou**, E. Flemetakis, E. Kouri, K. Sotirakoglou and G. Zervas, 2015. The effect of long term under- and over-feeding on the expression of genes related to glucose metabolism in mammary tissue of sheep. *Journal of Dairy Research*, 82, 228-235.
34. N. Paraskevakis, **E. Tsiplakou**, D. Daferera, M. Polissiou, K. Sotirakoglou and G. Zervas, 2015. Changes in essential oil content and composition of *Origanum vulgare* spp. hirtum during storage as a whole plant or after grinding and mixing with a concentrate ruminant diet. *Journal of Essential Oil Research*, 27 (3), 264-270.
35. **E. Tsiplakou**, E. Flemetakis, E. Kouri, G. Karalias, K. Sotirakoglou and G. Zervas, 2015. The effect of long term under- and over-feeding on the expression of six major milk protein genes in the mammary tissue of sheep. *Journal of Dairy Research*, 82 (3), 257-264.
36. **E. Tsiplakou**, E. Flemetakis, E. Kouri, G. Karalias, K. Sotirakoglou and G. Zervas, 2016. The effect of long-term under- and overfeeding on the expression of six major proteins genes in the mammary tissue of goats. *Journal of Animal Physiology and Animal Nutrition*, 100, 422-430.
37. A.C. Pappas, **E. Tsiplakou**, D.I. Tsitsigiannis, M. Georgiadou, M.K. Iliadi, K. Sotirakoglou and G. Zervas, 2016. The role of bentonite binders in single or concomitant mycotoxin contamination of chicken diets. *British Poultry Science*, 57 (4), 551-558.
38. G. Zervas and **E. Tsiplakou**, 2016. Life cycle assessment of animal origin products. *Advances in Animal Biosciences*, 7 (2), 190-194.
39. D. Bilalis, I. Tabaxi, G. Zervas, **E. Tsiplakou**, I. Travlos and S. Tsioras, 2016. Chia (*Salvia hispanica*) fodder yield and quality as affected by sowing rates and organic fertilization. *Communications in Soil Science and Plant Analysis*, 47 (15), 1764-1770.
40. **E. Tsiplakou**, G. Papadomichelakis, D. Sparaggis, K. Sotirakoglou, M. Georgiadou, and G. Zervas, 2016. The effect of maternal or artificial milk, age and sex on three muscles fatty acid profile of Damascus breed goat kids. *Livestock Science*, 188, 142-152.
41. **E. Tsiplakou**, E. Flemetakis, E. Kouri, and G. Zervas, 2017. The effect of long term under- and overfeeding on the expression of genes related to glucose metabolism in the mammary tissue of goats. *Animal Production Science*, 57, 622-626.
42. **E. Tsiplakou**, M.A.M. Abdullah, D. Skliros, M. Chatzikonstantinou, E. Flemetakis, N.E. Labrou and G. Zervas, 2017. The effect of dietary *Chlorella vulgaris* supplementation on micro-organism community, enzyme activities and fatty acid profile in the rumen liquid of goats. *Journal of Animal Physiology Nutritional and Feeding*, 101 (2), 275-283.
43. **E. Tsiplakou**, M. Chatzikonstantinou, C. Mitsiopolou, C. Karaiskou, A. Mavrommatis, K. Sotirakoglou, N.E. Labrou and G. Zervas, 2017. Effect of soya bean and fish oil inclusion in diets on milk and plasma enzymes from sheep and goat related to oxidation. *Journal of Animal Physiology and Animal Nutrition*, 101 (4), 733-742.
44. **E. Tsiplakou**, A. Mavrommatis, Th. Kalogeropoulos, M. Chatzikonstantinou P. Koutsouli, K. Sotirakoglou, N.E. Labrou, and G. Zervas, 2017. 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*, 101 (5), 1004-1013.

45. **E. Tsiplakou**, M.A.M. Abdullah, A. Mavrommatis, M. Chatzikonstantinou, D. Skliros, K. Sotirakoglou, E. Flemetakis, N.E. Labrou and G. Zervas, 2017. The effect of dietary *Chlorella pyrenoidosa* inclusion on goats milk chemical composition, fatty acids profile and enzymes activities related to oxidation. *Livestock Science*, 197, 106-111.
46. **E. Tsiplakou**, A. C. Pappas, C. Mitsiopoulou, M. Georgiadou, C.A. Georgiou and G. Zervas, 2017. Evaluation of different types of calcined magnesites as feed supplement in small ruminants. *Small Ruminant Research*, 149, 188-195.
47. **E. Tsiplakou**, L. Yiasoumis, A. Maragou, A. Mavrommatis, K. Sotirakoglou, G. Moatsou, and G. Zervas, 2017. The response of goats to different starch/NDF ratios of concentrates on the milk chemical composition, fatty acid profile, casein fractions and rennet clotting properties. *Small Ruminant Research*, 156, 82-88.
48. T.G. Bontini, E.C. Pappa, K. Sotirakoglou, A.C. Pappas, **E. Tsiplakou** and G. Zervas, 2017. Monitoring of selected milk quality parameters during lactation of a Mediterranean dairy sheep breed. *Large Animal Review*, 23 (5), 185-188.
49. V. Kotsampasi, C. Christodoulou, **E. Tsiplakou**, A. Mavrommatis, C. Mitsiopoulou, C. Karaiskou, V. Christodoulou, V. Dotas, V. Bampidis, 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.
50. **E. Tsiplakou**, G. Papadomichelakis, D. Sparaggis, K. Sotirakoglou, M. Georgiadou, and G. Zervas, 2018. The effects of rearing diet, sex and age on the fatty acid profile of Chios lambs. *Animal Production Science*, 58 (2), 369-375.
51. **E. Tsiplakou**, M.A.M. Abdullah, A. Mavrommatis, M. Chatzikonstantinou, D. Skliros, E. Flemetakis, N.E. Labrou and G. Zervas, 2018. The effect of dietary *Chlorella vulgaris* inclusion on goats milk chemical composition, fatty acids profile and enzymes activities related to oxidation. *Journal of Animal Physiology Nutritional and Feeding*, 102 (1), 142-151.
52. **E. Tsiplakou**, C. Mitsiopoulou, A. Mavrommatis, C. Karaiskou, C.G. Chronopoulou, G. Mavridis, K. Sotirakoglou, N.E. Labrou, and G. Zervas, 2018. Effect of under- and overfeeding on sheep and goat milk and plasma enzymes activities related to oxidation. *Journal of Animal Physiology Nutritional and Feeding*, 102 (1), e288-e298.
53. B. Kotsampasi, **E. Tsiplakou**, C. Christodoulou, A. Mavrommatis, C. Mitsiopoulou, C. Karaiskou, E. Sossidou, N. Fragioudakis, I. Kapsomenose, V.A. Bampidis, V. Christodoulou and G. Zervas, 2018. Effects of dietary orange peel essential oil supplementation on milk yield and composition and fatty acid profile, and blood and milk antioxidant status of lactating dairy ewes. *Animal Feed Science and Technology*, 245, 20-31.
54. **E. Tsiplakou**, A. Mavrommatis, D. Skliros, K. Sotirakoglou, E. Flemetakis, and G. Zervas, 2018. The effects of dietary supplementation with rumen protected amino acids on the expression of some genes involved in the immune system of dairy sheep. *Journal of Animal Physiology Nutritional and Feeding*, 102 (6), 1437-1449.
55. A. Mavrommatis, E.G. Chronopoulou, K. Sotirakoglou, N.E. Labrou G. Zervas and **E. Tsiplakou**, 2018. The impact of the dietary supplementation level with *Schizochytrium* sp. on the oxidative capacity of both goats organism and milk. *Livestock Science*, 218, 37-43.
56. G. Papadomichelakis, A.C. Pappas, **E. Tsiplakou**, G.K. Symeon, K. Sotirakoglou, V. Mpekis, K. Fegeros and G. Zervas, 2019. Effects of dietary dried olive pulp inclusion on growth performance and meat quality of broiler chickens. *Livestock Science*, 221, 115-122.

57.S. Siafakas, **E. Tsiplakou**, M. Kotsarinis, K. Tsi boukas, and G. Zervas, 2019. Identification of efficient dairy farms in Greece based on home grown feedstuffs, using the Data Envelopment Analysis method. *Livestock Science*, 222, 14-20. (IF= 1.91)

58.A.C. Pappas, **E. Tsiplakou**, G. Papadomichelakis, C. Mitsiopoulos, K. Sotirakoglou, V. Mpekeli s, S.A., Haroutounian, K. Fegeros and G. Zervas, 2019. Effects of olive pulp addition to broiler diets on performance, selected biochemical parameters and antioxidant enzymes. *Journal of the Hellenic Veterinary Medical Society*, 70 (3), 1689-1696.

59.F. Angelopoulos, **E. Tsiplakou**, and D. Bilalis, 2019. Impact of compost application on fall-seeded Camelina yield and seed quality. *Bulletin of University of Agricultural Sciences and Veterinary Medicine (UASVM) Horticulture*, 76(2), 151-153.

60.G. P. Danezis, A. C. Pappas, **E. Tsiplakou**, E. C. Pappa, M. Zacharioudaki, A. S. Tsagkaris, C. Papachristidis, K. Sotirakoglou, G. Zervas, and C.A. Georgiou, 2020. Authentication of Greek PDO cheeses through elemental metabolomics. *International Dairy Journal* 104, 10599.

61.G. Buffa, **E. Tsiplakou**, C. Mitsiopoulos, G. Pulina and A. Nudda, 2020. Supplementation of byproducts from grape, tomato and myrtle affects antioxidant status of dairy ewes and milk fatty acid profile. *Journal of Animal Physiology Nutritional and Feeding*, 104, 493-506.

62.M. Patelou, C. Infante, F. Dardelle, D. Randewig, E. D. Kouri, M.K. Udvardi, **E. Tsiplakou**, L. Mantecón, and E. Fletmetakis, 2020. Transcriptomic and metabolomic adaptation of *Nannochloropsis gaditana* grown under different light regimes. *Algal Research*, 45, 101735.

63.A. Georganas, E. Giamouri, A.C. Pappas., G. Papadomichelakis, F. Galliou, T. Manios, **E. Tsiplakou**, K. Fegeros and G. Zervas, 2020. Bioactive compounds in food waste: A review on the transformation of food waste to animal feed. *Foods*, 9 (3), 291-309.

64.**E. Tsiplakou**, A. Mavrommatis, D. Skliros, F. Righi and E. Fletmetakis, 2020. The impact of rumen-protected amino acids on the expression of key- genes involved in the innate immunity of dairy sheep. *PLoS One*, 15 (5), e0233192.

65.G.P. Danezis, **E. Tsiplakou**, E.C. Pappa, A.C. Pappas, A. Mavrommatis, K. Sotirakoglou, C.A. Georgiou and G. Zervas, 2020. Fatty acid profile and physicochemical properties of Greek protected designation of origin cheeses, implications for authentication. *European Food Research and Technology*, 246 (9), 1741-1753.

66.I.E. Roussis, I. Kakabouki, **E. Tsiplakou** and D. Bilalis, 2020. Influence of plant density and fertilization on yield and crude protein of *Nigella sativa* L.: An alternative forage and feed source. In *Nigella sativa: Properties, Uses and Effects*. Chapter 4, pp. 145-180. Sanjin Berghuis (Editor). Nova Publisher. ISBN: 978-1-53617-538-7.

67.I. Kakabouki, A. Tzanidaki, A. Folina, I. Roussis, **E. Tsiplakou**, P. Kanatas and D.J. Bilalis, 2020. Teff (*Eragrostis tef* (Zucc.) Trotter) fodder yield and quality as affected by cutting frequency. *Agronomy Research*, 18 (2), 422-431.

68.**E. Tsiplakou**, C. Mitsiopoulos, D. Skliros, A. Mavrommatis and E. Fletmetakis, 2020. Feeding level regulates the expression of some genes involved with programmed cell death and remodeling in goats and ewes mammary tissue. *Journal of Dairy Research*, 87 (4), 448-455.

69. A. Mavrommatis and **E. Tsiplakou**, 2020. The impact of the dietary supplementation level with *Schizochytrium* sp., on milk chemical composition and fatty acid profile of both blood plasma and milk of goats. *Small Ruminant Research*, 193, 106252
- 70.F. Angelopoulou, **E. Tsiplakou** and D. Bilalis, 2020. Tillage intensity and compost application effects on organically grown camelina productivity, seed and oil quality. *Notulae botanicae horti agrobotanici Cluj-Napoca*, 48 (4), 2153-2166
- 71.A. Mavrommatis, C. Mitsiopoulou, C. Christodoulou, D. Karabinas, V. Nenov, G. Zervas and **E. Tsiplakou**, 2020. Dietary Supplementation of a Live Yeast Product on Dairy Sheep Milk Performance, Oxidative and Immune Status in Peripartum Period. *Journal of Fungi*, 6 (4), 334.
- 72.M. Simoni, **E. Tsiplakou**, G.R. Pitino, A. Quarantelli, and F. Righi, 2021. Determination of the optimal priming interval of rumen fluids used as inocula for the in vitro digestibility trials through Radial enzyme diffusion method. *Animal Production Science*, 61 (5), 525-531.
- 73.C. Mitsiopoulou, C. Karaïskou, M. Simoni, F. Righi, A.C. Pappas, K. Sotirakoglou and **E. Tsiplakou**, 2021. Influence of dietary sesame meal, vitamin E and selenium supplementation on milk production, composition, and fatty acid profile in dairy goats. *Livestock Science*, 244, 104336.
- 74.E.C. Pappa, E. Kondyli, K. Sotirakoglou, L. Bosnea, M. Mataragas, L. Allouche, **E. Tsiplakou** and A.C. Pappas, 2021. Farmers profile and characterization of sheep and goat dairy chain in Northwestern Greece. *Sustainability*, 13 (2), 1-16, 833.
- 75.A. Mavrommatis, D. Skliros, M. Simoni, F. Righi, E. Fliemetakis, and **E. Tsiplakou**, 2021. Alterations in the rumen particle-associated microbiota of goats in response to dietary supplementation levels of *Schizochytrium* spp. *Sustainability*, 13 (2), 1-17, 607.
- 76.B. Kotsampasi, C. Christodoulou, A. Mavrommatis, C. Mitsiopoulou, V.A. Bampidis, V. Christodoulou, E.G. Chronopoulou, N.E. Labrou and **E. Tsiplakou**, 2021. Effects of dietary pomegranate seed cake supplementation on performance, carcass characteristics and meat quality of growing lambs. *Animal Feed Science and Technology*, 273, 114815.
- 77.A. Mavrommatis, E. Giamouri, S. Tavrizelou, M. Zacharioudaki, G. Danezis, P.E. Simitzis, E. Zoidis, **E. Tsiplakou**, A.C. Pappas, C.A. Georgiou, and K. Feggeros, 2021. Impact of Mycotoxins on Animals Oxidative Status. *Antioxidants*, 10 (2), 1-24, 214.
- 78.C. Mitsiopoulou, K. Sotirakoglou, N.E. Labrou and **E. Tsiplakou**, 2021. The effect of whole sesame seeds on milk chemical composition, fatty acids profile and antioxidant status in goats. *Livestock Science*, 245, 104452.
- 79.C. Mitsiopoulou, K. Sotirakoglou, D. Skliros, E. Fliemetakis and **E. Tsiplakou**, 2021. The impact of whole sesame seeds on the expression of key-genes involved in the innate immunity of dairy goats. *Animals* 11, 468.
- 80.**E. Tsiplakou**, C. Mitsiopoulou, C. Karaïskou, M. Simoni, A.C. Pappas, F. Righi, K. Sotirakoglou and N.E. Labrou, 2021. Sesame meal, vitamin E and selenium influence goats antioxidant status. *Antioxidants*, 10 (3), 1-10, 392.

- 81.A. Mavrommatis, K. Sotirakoglou, D. Skliros, E. Fliemetakis and **E. Tsiplakou**, 2021. Dose and time response of dietary supplementation with Schizochytrium sp. on the abundances of several microorganisms in the rumen liquid of dairy goats. *Livestock Science*, 247, 104489.
- 82.A. Mavrommatis, Ch. Mitsiopoulou, C. Christodoulou, P. Kariampa, and **E. Tsiplakou**, 2021. Effects of supplementing rumen-protected methionine and lysine on milk performance and oxidative status of dairy ewes. *Antioxidants*, 10 (5), 654.
- 83.F. Righi, R. Pitino, C.L. Manuelian, M. Simoni, A. Quarantelli, M.De Marchi, and **E. Tsiplakou**, 2021. Plant feed additives as natural alternatives to the use of synthetic antioxidant vitamins on poultry performances, health, and oxidative status: A review of the literature in the last 20 years. *Antioxidants*, 10 (5), 659.
- 84.R. Pitino, M. De Marchi, C. L. Manuelian, M. Simoni, F. Righi and **E. Tsiplakou**, 2021. Plant feed additives as natural alternatives to the use of synthetic antioxidant vitamins on yield, quality, and oxidative status of poultry products: A review of the literature of the last 20 years. *Antioxidants*, 10 (5), 757.
- 85.**E. Tsiplakou**, R. Pitino, C. L. Manuelian, M. Simoni, Ch. Mitsiopoulou, M.De Marchi and F. Righi, 2021. Plant feed additives as natural alternatives to the use of synthetic antioxidant vitamins in livestock animal products yield, quality, and oxidative status: A review. *Antioxidants*, 10 (5), 780.
- 86.E. Giamouri, A.C. Pappas, G. Papadomichelakis, **E. Tsiplakou**, K. Sotirakoglou, N. Markakis, F. Galliou, T. Manios, J. Zentek, K. Lasaridi, K. Fegeros and G. Zervas, 2021. The Food for Feed concept. Performance of broilers fed Hotel food residues. *British Poultry Science*, 62 (3), 452-458.
- 87.A. Mavrommatis, G. Theodorou, I. Politis and **E. Tsiplakou**, 2021. Schizochytrium sp. Dietary Supplementation Modify Toll-like receptor 4 (TLR4) Signaling in Monocytes and Neutrophils of Dairy Goats. *Cytokines* 148:155588.
- 88.A. Mavrommatis, K. Sotirakoglou, C. Kamilaris, and **E. Tsiplakou**, 2021. Effects of inclusion of Schizochytrium spp and Forage-to-Concentrate ratios on goats milk quality and oxidative status. *Foods*, 10 (6) 1322.
- 89.A. Mavrommatis, D. Skliros, E. Fliemetakis, and **E. Tsiplakou**, 2021. Changes in the Rumen Bacteriome Structure and Enzymatic Activities of Goats in Response to Dietary Supplementation with Schizochytrium spp. *Microorganisms*, 9 (7), 1528.
- 90.N. Paßlack, F. Galliou, T. Manios, K. Lasaridi, **E. Tsiplakou**, W. Vahjen and J. Zentek, 2021. Impact of dried food residues in a diet for dogs on the apparent nutrient digestibility and the intestinal microbiota. *Archives of Animal Nutrition*. 75 (4), 311-327.
- 91.A. Mavrommatis, E. Giamouri, E.D. Myrtsi, E. Evergetis, K. Filippi, H. Papapostolou, S.D. Koulocheri, E. Zoidis, A.C. Pappas, A. Koutinas, S.A. Haroutounian, and **E. Tsiplakou**, 2021. Antioxidant Status of Broiler Chickens Fed Diets Supplemented with Vinification by-Products: A Valorization Approach. *Antioxidants* 10, 1250.
- 92.C. Christodoulou, J. M. Moorby, **E. Tsiplakou**, D. Kantas and A. Foskolos, 2021. Evaluation of nitrogen excretion equations for ryegrass pasture-fed dairy cows. *Animal*, 15 (9), 100311.
- 93.C. Christodoulou, A. Mavrommatis, Ch. Mitsiopoulou, G. Symeon, V. Dotas, K. Sotirakoglou, B. Kotsampasi, and **E. Tsiplakou**, 2021. Assessing the Optimum Level of Supplementation with Camelina Seeds in Ewes Diets to Improve Milk Quality. *Foods* 10 (9), 2076.

- 94.C.L. Manuelian, R. Pitino, M. Simoni, M. De Marchi, F. Righi and **E. Tsiplakou**, 2021. Plant feed additives as natural alternatives to the use of synthetic antioxidant vitamins on livestock performances, health, and oxidative status: A Review of the literature in the last 20 years. *Antioxidants*, 10 (9), 1461.
- 95.A. Georganas, E. Giamouri, C. Christodoulou, A. Mavrommatis, E. Zoidis, G. Papadomichelakis, P.E. Simitzis, **E. Tsiplakou**, A.C. Pappas and K. Fegeros, 2021. Impact of Bioactive compounds on animals and environment. In: *Bioactive Compounds and Their Importance*, Chapter 4, pp. 61-103. Editors; Y. Gulcin and I. Gökçen, Publisher; Nova Science Publishers, Hauppauge, USA.
- 96.A. Mavrommatis, D. Skliros, K. Sotirakoglou, E. Fliemetakis, and **E. Tsiplakou**, 2021. The Effect of Forage-to-Concentrate Ratio on Schizochytrium spp. - Supplemented Goats: Modifying Rumen Microbiota. *Animals*, 11 (9) 2746.
- 97.S. Carta, **E. Tsiplakou**, Ch. Mitsiopolou, G. Pulina and A. Nudda, 2022. Cocoa husks fed to lactating dairy ewes affect milk fatty acid profile and oxidative status of blood and milk. *Small Ruminant Research*, 207, 106599.
- 98.A. Mavrommatis, M.E. Zografaki, S., Marka, E D., Myrtsi, E. Giamouri, C. Christodoulou, E. Evergetis, V. Iliopoulos, S.D. Koulocheri, G. Moschopoulou, P.E., Simitzis, A.C. Pappas, E. Fliemetakis, A. Koutinas, S.A., Haroutounian and **E. Tsiplakou**, 2022. Effect of a Carotenoid Extract from Citrus reticulata By-Products on the Immune-Oxidative Status of Broilers. *Antioxidants*, 11 (1), 144.
- 99.E. Giamouri, A.C. Pappas, G. Papadomichelakis, P.E. Simitzis, Thr. Manios, J. Zentek, K. Lasaridi, **E. Tsiplakou** and G. Zervas 2022. The Food for Feed Concept: Redefining the Use of Hotel Food Residues in Broiler Diets. *Sustainability*, 14 (6), 3659.
- 100.M. Simoni, A. Goi, E. Pellattiero, A. Mavrommatis, **E. Tsiplakou**, F. Righi, M. De Marchi, and C.L. Manuelian, 2022. Long-term administration of a commercial supplement enriched with bioactive compounds does not affect feed intake, health status, and growth performances in beef cattle. *Archives Animal Breeding*, 65 (1), 135144.
- 101.S. Carta, **E. Tsiplakou**, P. Nicolussi, G. Pulina and A. Nudda, 2022. Effects of spent coffee grounds on production traits, haematological parameters, and antioxidant activity of blood and milk in dairy goats. *Animal* 16(4), 100501.
- 102.V. Lind, A. Schwarm, M. Mele, A. Cappucci, G. Foggi, O. Sizmaz, **E. Tsiplakou**, A. St. Atzori, J. Van Mullem and N. Peiren, 2021. Nutritional approaches to reduce enteric methane emission from ruminants. In: *Technology for Environmentally Friendly Livestock Production*, Chapter 5, pp..Publisher; Springer Nature Switzerland AG.
- 103.A. Georganas, E. Giamouri, A.C. Pappas, G. Papadomichelakis, St. Fortatos, T. Manios, K. Lasaridi, K. Fegeros, **E. Tsiplakou**, and G. Zervas, 2022. Redefining the Future of Catering Waste Application In Animal Diets. A Review on the Minimization of Potential Hazards In Catering Waste Prior to Application In Animal Diets. *Animal Feed Science and Technology*, 289, 115334.
- 104.E. Giamouri, G. Papadomichelakis, A.C. Pappas, P.E. Simitzis, F. Galliou, N. Paßlack, J. Zentek, K. Lasaridi, K. Fegeros, T. Manios, **E. Tsiplakou** and G. Zervas, 2022. Meat Quality Traits as Affected by the Dietary Inclusion of Food Waste in Finishing Pigs. *Sustainability*, 14(11), 6593.
- 105.C. Christodoulou, A. Mavrommatis, M. Simoni, F. Righi, B. Prandi, T. Tedeschi, S. Sforza, **E. Tsiplakou**, 2022. The amino acids profile of Camelina sativa seeds correlates with the strongest immune response in dairy ewes. *Animal*.

106.E. Vargas-Bello-Pérez, K. Tajonar, G. Foggi, M. Mele, P. Simitzis, A. Mavrommatis, **E. Tsiplakou**, R. Md. Habib, M. Gonzalez-Ronquillo and P. Toro-Mujica, 2022. Consumer attitudes towards dairy products from sheep and goats: a cross-continental perspective. *Journal of Dairy Science* (In press).
