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**ELENI
TSIPLAKOU**

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Laboratory of Nutritional Physiology and Feeding,
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1. PERSONAL DATA

SURNAME: **TSIPLAKOU**

NAME: **ELENI**

FATHER'S NAME: Dimitrios

DATE OF BIRTH: 17th January, 1980

RESIDENCE: 42 Paraxou Str, Athens, GR-114 73

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2. TRAINING AND

DEGREES

02/2010–02/2011: 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 D⁹ desaturase gene expression in their mammary gland».

2008: 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».

2006: 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» (9.9/10).

2005: B.Sc. in Animal Science at the Agricultural University of Athens (7.49/10).

3. PROFESSIONAL EXPERIENCE

- **10/2022-11/2022: Visitor Professor** for 2 months at the Department of Veterinary Science of the University of Parma to teach Feeding, Nutrition and Feeding Technology, based on the Italian Art. 4 of the “Contract for Teaching against Payment for Foreign Academic/Professional of the Highest Repute, as per Art. 5 of the Regulations for Teaching Contracts on the study Courses, in accordance with Article 23 LAW N° 240/2010 - Department of Veterinary Science, A.Y. 2022/2023”
- **09/2022-09/2032: Achieved the National Scientific Qualification as Full Professor** in the Italian Higher Education System, in the call 2021/2023 (Ministerial Decree n. 553/2021 and 589/2021) for the disciplinary field of 07/G1-**Animal Science and Technology**. (Academic Recruitment Field 07/G - Animal Science and Technology, according to the National Classification. Succeeded in 9 out of 10 tasks with minimum 3/10.
- **09/2022-09/2032: Achieved the National Scientific Qualification as Associate Professor** in the Italian Higher Education System, in the call 2021/2023 (Ministerial Decree n. 553/2021 and 589/2021) for the disciplinary field of 07/G1-**Animal Science and Technology**. (Academic Recruitment Field 07/G - Animal Science and Technology,

according to the National Classification. Grade: 9 out of 10 succeeded tasks, with minimum requirement of success 3/10.

- **07/2019-present: 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.
- **07/2014-07/2019: 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.
- **01/2011–07/2014: Lecturer in Ruminants' Nutrition** at the Department of Nutritional Physiology and Feeding, Faculty of Animal Science and Aquaculture of the Agricultural University of Athens.
- **02/2009–12/2010: 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.
- **5/2009–09/2009: Research Fellow** at the Department of Agriculture and Food Biosciences of Reading University, UK.

4. AWARDS

- **World's Top 2%** of Scientists based on Stanford University ranking for **2022**.

https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/4?fbclid=IwAR2nc8W-MUMhwvl_UuL1KrWDqR3DiUezQTJVQrLtmYiVx-hjgL2vPoDzpKU

- 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 reviewers** 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.

5. SCHOLARSHIPS

- Scholarship from the **European Association for Animal Production (EAAP)** to present paper at the **EAAP** conference in Tallinn of Estonia in August of 2017.
- 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.
- 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.

- 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.
- Scholarship from the **State Scholarship Foundation** of Greece during the post graduate studies (2005-2008, MSc. and Ph.D.).

6. RESEARCH

EXPERIENCE

01/2011–present: 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 in Greece.

02/2010–02/2011: As Post-Doc Researcher I was trained in the above analytical techniques. I was also involved in various projects of which I gain significant experience.

5/2009–09/2009: As research fellow at the Department of Agriculture and Food Biosciences of Reading University, UK, I participated in a human study aiming to determine the effect of milk products on human appetite. I also involved in the determination of hormones and peptides in human blood.

7. TEACHING EXPERIENCE

During my carrier in AUA I have been assigned lectures in (2011-onwards):

- **Nutrition of Farm Animals** (Theory and Practicals) on the 4th Semester
- **Ruminants Nutrition** (Theory and Practicals) on the 8th Semester
- Courses at Master's 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.

- Courses at Master’s Program entitled “Entrepreneurship and Consulting in Rural Development” of the Faculty of Animal Science and Aquaculture and of the Agricultural Economics and Rural Development.
- Teaching to Erasmus students

8. OTHER SKILLS

English:	Very good
Statistics:	SPSS, STATGRAPHICS
Other:	Linear programming for feed formulation.

9. MEMBER OF EXAMINATION COMMITTEES

A. Supervision of students and examination of dissertations and theses

- **Undergraduate Level: 80** students in **26** as supervisor and in **54** as a member of the examination committee
- **Master’s Level: 13** students in **5** as supervisor and in **8** as a member of the examination committee
- **PhD Level: 17** students in **6** as supervisor, in **3** as a member of the advisory-examination committee, in **3** as a member of the examination committee and in **5** as an external evaluator of PhD Theses from foreign Universities;

- **External evaluator** of the PhD thesis of Elena Mariani entitled “Animal Nutrition: A tool to mitigate oxidative stress and inflammation” supervised by Prof. Giovanni Savoini, University of Milan, Italy, 2018.
 - **External evaluator** of the PhD thesis of Marica Simoni entitled “Study and monitoring of the digestive process of dairy cattle aimed at optimizing feed efficiency” supervised by Prof. Afro Quarantelli, University of Parma, Italy, 2020.
 - **External evaluator** of the PhD thesis of Chiara Lucchetti entitled “*In vitro* study of the molecular mechanisms responsible for the filaricide effect of macrocyclic lactones combined with doxycycline against *Dirofilaria immitis*” supervised by Prof. Laura Helen Kramer, University of Parma, Italy, 2020.
 - **External evaluator** of the PhD thesis of Dimitrios Sioutas entitled “The effect of gestational plane of nutrition on future lactation potential and endocrine profile response in dairy ewe-lambs of the Sarda breed” supervised by Prof. Antonello Cannas, University of Sassari, Italy, 2021.
 - **External evaluator** of the PhD thesis of Elias Zgheib entitled “Awassi sheep and Baladi goat milk composition in extensive production systems in Lebanon and cardoon inclusion in sheep diet” supervised by Prof. Anna Nudda, University of Sassari, Italy, 2022.
- **Post-doctoral Supervisor** of Dr. Alexandros Mavrommatis in Agricultural University of Athens under a Scholarship by the State Scholarship Foundation (IKY), entitled: «Microalgae for Microbiome: The effect of dietary supplementation with microalgae on goats’ microbiome using metagenomics and metabolomics approaches» 2019-2021.

B. Internship (24 students): 2 out of 24 students had their traineeship done via “Atlas” a centralized online service which interconnects companies and provides internship positions with all academic institutions in Greece. Their practice was video recorded and is available online at <http://traineeship.aua.gr/>

C. Traineeship- foreign Universities

Hosting and Supervising foreign early-stage and doctoral researchers in Laboratory of Nutritional Physiology and Feeding:

- Dr. Giovanna Buffa, from University of Sassari (06/03/2018-06/06/2018)
- Giorgios Anagnostou, from University of Parma (13/12/2021-28/02/2022)
- Dr. Maria Francesca Guiso, from University of Sassari (15/11/2021- 28/02/2022)
- Dr. Marica Simoni, from University of Parma (07/07/2019-07/08/2019)

10. PRINCIPAL/DEPUTY INVESTIGATOR AND WP LEADER IN RESEARCH PROJECTS

I) Principal Investigator-project Coordinator

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

AUA budget: 7,380.00 Euro.

Project description: This study investigated the effects of dietary inclusion of rumen-protected methionine alone or in combination with rumen-protected choline and betaine on: milk yield, chemical composition and fatty acids profile and blood plasma glutathione transferase activity of per parturient ewes.

Role: In this project I coordinated both the experimental and financial part of the study from the proposal to deliverables' submission.

Research output: Publication **21.43** and Conference **18.74**.

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

AUA budget: 12,195.00 Euro.

Project description: The objectives of this study were to determine: (a) the particle size distribution of four MgO supplements with different chemical composition and their both in vitro and in vivo solubility and (b) their apparent bioavailability.

Role: In this project I coordinated both the experimental and financial part of the study from the proposal to deliverables' submission.

Research output: Publication **21.45** and Conference **18.50**.

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

AUA budget: 16,555.00 Euro.

Project description: This study aimed to investigate the effect of dietary supplementation with rumen protected methionine or lysine, as well as with a combination of these AAs in two different proportions, on (a) milk yield, chemical composition, fatty acid profile, (b) antioxidants enzymes activities in blood and milk c) the total antioxidant capacity and oxidative stress indicators in both blood plasma and milk of early lactating ewes. Additionally, the effect of dietary AAs was also assessed on the gene expression of proinflammatory biomarkers in blood monocytes and neutrophils.

Role: In this project I coordinated both the experimental and financial part of the study from the proposal to deliverables' submission. Also, I was guiding my research team in the optimization and validation of analytical methods.

Research output: Publications **21.53**, **21.63**, and **21.80** and Conferences **18.69**, **18.74**, **18.81**, **18.110**, and **18.111**.

4. YoGArt: Yogurt of Greece produced with a novel Algae Ration. Funding source: Operational Program "Competitiveness, Entrepreneurship & Innovation" (EPAnEK) (7/2020-7/2023), (Coordinator of the Project).

AUA budget: 317,878.00 Euro (total budget: 513,343.40 Euro)

New positions for young researchers: 4 (149.213,00 euro)

Project description: The purpose of this research project is the dietary inclusion of autotrophic microalgae, rich in EPA, in combination with a heterotrophic one, rich in DHA and DPA fatty acids in dairy sheep. The goal of this nutritional treatment is the production of yogurt with at least 40mg/100 g combined EPA and DHA content in order to label it as «DHA+EPA enriched», according to current policy. This innovative product will be commercialized as a functional food and will be characterized by high nutritional and economic value. Furthermore, the impact of microalgae dietary inclusion in ewes' diet on carbon footprint of milk production process will be also assessed.

Role: In this project I led the consortium engagement, proposal drafting, submission and beneficiaries' credentials documentation. After the project kick off, I established the research team and I organized and monitored both the experimental and financial part of the project. At this moment, the project has been successfully gone through the mid-term monitoring/auditing.

Research output: Publication **21.104** and Conference **18.127**.

5. The effect of dietary inclusion of live yeast on lambs' diet (13/09/2021-31/12/2023). Funding source: DANSTAR SAS, Lallemand Animal Nutrition Inc (Private sector).

AUA budget: 31,000.00 Euro.

Project description: The objective of this study was to investigate the effect of yeast supplementation in lambs starting diet on productive feature, feed conversation rate, meat quality, blood biochemical parameters, immune status, rumen maturation, and rumen and fecal microbiota.

Role: In this project I coordinated both the experimental and financial part of the study from the proposal to deliverables' submission. Also, I was guiding my research team in the optimization and validation of analytical methods.

6. Analysis of feed and plasma samples from in vivo trials (1/03/2021-30/05/2023). AUA subcontractor by Parma University. Parma University participates in Organic-Plus Horizon 2020 Project (Grant agreement ID: 774340).

AUA budget: 6,000.00 euro.

Project description: The objective of this project was the biochemical analysis of blood and feed samples obtained by poultry, beef and cattle experiments where synthetic antioxidants were substituted by natural plant extracts.

Role: In this project I coordinated both the experimental and financial part of the study from the proposal to deliverables' submission.

Research output (part of Organic-Plus H2020): Publications **21.81**, **21.82**, **21.83**, **21.92** and **21.98** and Conferences **18.116** and **18.117**.

II) WP/Task leader and deputy Coordinator

1. Research Infrastructure for Waste Valorization and Sustainable Management of Resources (INVALOR). Funding by Operational Program "Competitiveness Entrepreneurship & Innovation" (EPAnEK) (24/11/2017 -23/11/2021) (WP Supervisor).

AUA budget: 700,000.00 euro.

Work Package description: The objective of this study aimed to evaluate the nutritional potential of several agro-industry by-products (grapes strains and wine lees, sunflower by-products by biodiesel process and juice industry essential oils) in broilers diets.

Role: In this project I supervised the WP1 by monitoring deliverables 1.1. to 1.6.

Research output: Publications **21.94**, **21.96** and **21.97**.

2. 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 (2018-2023) (Project WP Leader and AUA Deputy Coordinator).

AUA budget: 117,000.00 euro.

Project description: CowficieNcy is an applied research project that aims to increase nitrogen use efficiency of dairy cattle, which is the best strategy to reduce the nitrogen pollution from dairy farming. The objective is to use modern and sophisticated tools and an accelerated nutrition management of the dairy herd leading to improved profitability and nitrogen use efficiency. We will focus on both the replacement heifers, that represent a significant portion of nitrogen

pollution on a farm level, and the lactating cows, which is the principal unit of nitrogen pollution.

Role: In this project I am leading the WP5 by monitoring its deliverables.

Research output: Publications **21.70** and **21.90** and Conference **18.86**.

3. Assessing feed additives in dairy sheep. Funding source: Karabinas SA (Private sector) (18/10/2021-17/10/2022). (AUA Deputy Coordinator)
AUA budget: 34,720.00 euro.

Project description: The objective of this project was to assess the combination of the synergetic mode of action of live yeast, yeast cell walls, and highly bioavailable Se on ewes' performance and physiology during the peripartum period.

Role: In this project I scheduled the analytical procedures and guided the research team.

Research output: Conference **18. 131**.

- **Total budget of Projects** that I have Coordinate: **586,473.40** Euro
- **Total AUA budget** by Projects that I have Coordinate/Deputy Coordinate or I had other Scientific Role (WP supervisor-leader): **1,448,813.40** Euro.
- **Number of young researchers** that I have coordinate/deputy coordinate or I had other Scientific Role (WP supervisor-leader): **11**.
- **Number of publications** obtained by Projects that I have Coordinate/Deputy Coordinate or I had other Scientific role (WP supervisor-leader): **16** (4 projects still ongoing)

- **Number of conference presentations** obtained by Projects that I have coordinate/deputy coordinate or I had other Scientific Role (WP supervisor-leader): **12** (4 projects still ongoing)

11. 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: Γενική Γραμματεία Έρευνας και Τεχνολογίας (ΓΓΕΤ).

6. Determination of additional cost, lost income and farmers cost from agro-environmental 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. 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).
20. 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.
21. 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).

22. H2020. Disseminating Innovative Solutions for Antibiotic Resistance Management (05/10/20 - 31/12/21). Project817591-DISARM.
23. 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).

12. MEMBER OF SCIENTIFIC AND ORGANIZING COMMITTEE

- **Vice- President** of the Nutrition Commission of **European Association for Animal Production (EAAP)** (2017-2020).
- **Secretariat** of the Nutrition Commission of **European Association for Animal Production (EAAP)** (2010-2016).
- **Member** of the Scientific Committee of the 7th Hellenic Conference in Technology in Animal Production, Thessaloniki, February, 2019.
- **Member** of National Organizing Committee of the **61st Annual Meeting of the European Association for Animal**

Production (EAAP), Heraklion, Crete, Island, Greece, August 23rd-2nd of September, 2010.

- **Alternative Member** of the Certification Committee for organic products of the AE-QWays.

13. MEMBER OF PROFESSIONAL ASSOCIATIONS

- Hellenic Society for Animal Production (HSAP) (2004 -onwards)
- European Association for Animal Production (EAAP), (2004-2020)
- Geotechnical Chamber of Greece (2006-onwards)

14. EDITORIAL ROLES

- **Section Editor** in the Italian Journal of Animal Science (20/03/17-08/05/21).
- **Associate Editor** in the Italian Journal of Animal Science (08/05/21- onwards). Section: Livestock systems, management and environment.
- **Review Editor** on the Editorial Boards of Food Chemistry (specialty section of Frontiers in Chemistry and Frontiers in Nutrition) (10/05/2022- onwards).

- **Editorial Board Member** in:
 - ✓ Journal of Dairy Research
 - ✓ SciTz Nutrition and Food Science
 - ✓ Gavin Journal of Food and Nutritional Science

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

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

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

- **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).

15. CHAIRPERSON

- **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.
- **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.
- **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.

- **Chairperson** in the session «Nutrition» of the Hellenic Society of Animal Sciences, at the 30^o Annual Meeting, Giannitsa of Greece, 2015.

- **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.

- **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.

- **Chairperson** in the session «Nutrition and Physiology» of the Hellenic Society of Animal Sciences, at the 33^o Annual Meeting, Preveza of Greece, 2018.

- **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.

16. INVITED SPEAKER

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

17. EVALUATOR OF RESEARCH PROJECTS

- **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.
- **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).
- **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).

18. 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.
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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.
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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. Flemetakis, **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. Flemetakis, **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. Ikonomopoulos, **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 Symposium on Climate-Resilient Agri-Environmental Systems (ISCRAES), pp. 57, Virtual Event 3 to 6 November 2020, Dublin.

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. Ikonomopoulos, **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.
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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.
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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, 21–24 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, 21–24 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, Book of Abstract pp. 11-12. 5-6 May 2022, Hannover, Germany.
126. E. Vargas-Bello-Pérez, K. Tajonar, G. Foggi, M. Melle, P. Simitzis, A. Mavrommatis, **E. Tsiplakou**, M.R. Habib, M. Gonzalez-Ronquillo and P. Toro-Mujica 2022. Consumer attitudes from different continents towards dairy products from sheep and goat. 73th Annual Meeting of EAAP, Book of abstracts, No 28, pp. 356, Porto, Portugal.
127. A. Mavrommatis, F. Zisis, P. Kyriakaki, F. Satolias, A. Skourtis, **E. Tsiplakou**, 2022. YoGArt project: The use of algae as feed additives in ewes' diet to promote functional dairy products. 73th Annual Meeting of EAAP, Book of abstracts, No 28, pp. 358, Porto, Portugal.

128. C. Christodoulou, A. Mavrommatis, B. Kotsampasi, **E. Tsiplakou**, 2022. Effect of Camelina sativa seeds in ewes' milk quality and oxidative status in both organism and milk. 73th Annual Meeting of EAAP, Book of abstracts, No 28, pp. 359, Porto, Portugal.
129. S. Carta, **E. Tsiplakou**, G. Pulina and A. Nudda. 2022. Cocoa by-products as source of antioxidants and nutrients to dairy sheep. 73th Annual Meeting of EAAP, Book of abstracts, No 28, pp. 621, Porto, Portugal.
130. E. Giamouri, G. Papadomichelakis, A.C. Pappas, P. Simitzis, **E. Tsiplakou**, G. Zervas, 2022. The Effect of Dietary Inclusion of Food Waste on Finishing Pigs Animal Performance and Meat Quality Traits. Book of abstracts of Animal Science Review, No 51, pp 74-75.
131. C. Christodoulou, A. Skoutis, P. Kyriakaki, A. Mavrommatis, F. Satolias, D. Karabinas, G. Zervas and **E. Tsiplakou**, 2022. The Effect of the Dietary Supplementation with Pro- and Prebiotic Yeast products combined with Organic Selenium on Dairy Ewes Milk Performance and Immune-Oxidative status during the Peripartum Period. Book of abstracts of Animal Science Review, No 51, pp 80-81.
132. D.T. Pavlopoulos, E.D. Myrtsi, I. Dimitros, A. Mavrommatis, E. Evergetis, **E. Tsiplakou**, S. Haroutounian, S.D. Koulocheri, 2022. Detection of antioxidant polyphenols content in plasma and meat tissues of broiler chickens supplemented with vinification by-products. 15th World Congress on Polyphenols Applications.

133. S. Carta, F. Correddu, **E. Tsiplakou**, A. Nudda, 2022. Use of cocoa by product in animal nutrition: the right way to improve livestock sustainability and human activity. Joint Seminar of the FAO CIHEAM Networks on Pasture and Forage Crops and on Sheep and Goat Nutrition. Alternative feed resources and their management for transiting towards a sustainable ruminant production. Book of Abstracts, pp. 87. Catania/Sicily, Italy.

19. PARTICIPATION IN CONFERENCES WITHOUT PAPER PRESENTATION

1. **British Society of Animal Science, Annual Conference**, Scarborough, United Kingdom, 31 March – 2 April 2008.

20. 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 National Resources, 19 June 2012, Athens, Greece.
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 Aminacids 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.

21. PUBLICATIONS

21.1. MSc and PhD

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.**

21.2. In Peer- Review Journals

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, 2006. Concentration of conjugated linoleic acid in grazing sheep and goat milk fat. **Livestock Science, 103, 74-84. (IF= 1.93)**
5. ***E. Tsiplakou**, K.C. Mountzouris and G. Zervas, 2006. 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. (IF= 1.93)**

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. (IF= 1.89)
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. (IF= 2.03)
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. (IF= 1.93)
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. (IF= 2.03)
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. (IF= 2.03)
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. (IF=8.94)

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. (IF= 1.89)

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. (IF= 1.89)

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. (IF= 1.89)

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. (IF=3.57)

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. (IF=5.75)

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. (IF= 2.03)

18. *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. (IF= 2.03)
19. *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. (IF= 1.93)
20. *E. Tsiplakou, E. Flemetakis, 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. (IF= 1.93)
21. *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. (IF=2.23)
22. 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. (IF=1.04)
23. 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.

24. 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.**
25. 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. (IF= 5.91)**
26. **E. Tsiplakou**, C.J. Anagnostopoulos, K. Liapis, S.A. Haroutounian and G. Zervas, 2014. Determination of mycotoxins in feedstuffs and ruminant's milk using an easy and simple LC-MS/MS multiresidue method. **Talanta, 130, 8-19. (IF=6.56)**
27. 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.**
28. 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.**

29. 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. **(IF=2.72)**
30. ***E. Tsiplakou**, E. Fletmetakis, 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. **(IF= 2.03)**
31. ***E. Tsiplakou**, E. Fletmetakis, 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. **(IF= 1.93)**
32. ***E. Tsiplakou**, E. Fletmetakis, 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. **(IF= 2.03)**
33. 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. **(IF=2.53)**

34. ***E. Tsiplakou**, E. Fletmetakis, 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. (IF= 2.03)
35. ***E. Tsiplakou**, E. Fletmetakis, 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. (IF=2.72)
36. 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. (IF=1.89)
37. G. Zervas and **E. Tsiplakou**, 2016. Life cycle assessment of animal origin products. **Advances in Animal Biosciences**, **7 (2)**, 190-194.
38. 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. (IF=1.58)
39. ***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. (IF= 1.93)
40. *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. (IF=1.57)
41. *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. (IF=2.72)
42. *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. (IF=2.72)
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22. BOOK CHAPTERS

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23. JOURNAL IMPACT

FACTORS\$

- **Acta Scientific Veterinary Sciences, IF=1.01, (n=1):** (21.107),
- **Animal, IF=3.73, (n=4):** (21.90), (21.91), (21.99), (21.102)
- **Animal Feed Science and Technology, IF= 3.31, (n=5):** (21.48), (21.52), (21.74), (21.100), (21.109)
- **Animals, IF=3.23, (n=4):** (21.77), (21.93), (21.94), (21.106),
- **Antioxidants, IF=7.67, (n=9):** (21.75), (21.78), (21.80), (21.81), (21.82), (21.83), (21.89), (21.92), (21.96)
- **Applied Clay Science, IF= 5.91, (n=1):** (21.25)

- **Animal Production Science, IF=1.57, (n=3):** (21.40), (21.49), (21.70)
- **Agronomy Research, IF=1.34, (n=1):** (21.65)
- **Algal Research, IF=5.28, (n=1):** (21.61)
- **Archives Animal Breeding, IF=1.78, (n=1):** (21.98)
- **Archives of Animal Nutrition, IF=2.89, (n=1):** (21.88)
- **Atmospheric Environment, IF= 5.75, (n=1):** (21.16)
- **British Poultry Sciences, IF=1.89, (n=2):** (21.36), (21.84)
- **Chemosphere, IF= 8.94 (n=1):** (21.11)
- **Communications in Soil Science and Plant Analysis, IF=1.58, (n=1):** (21.38)
- **Cytokines, IF=3.93, (n=1):** (21.85)
- **Emirates Journal of Food and Agriculture, IF= 1.04, (n=1):** (21.22)
- **European Food Research and Technology, IF=3.50, (n=1):** (21.64)
- **Experimental Agriculture, IF= 2.23, (n=1):** (21.21)
- **Foods, IF=5.56, (n=4):** (21.62), (21.86), (21.93), (21.104)
- **International Dairy Journal, IF= 3.57, (n=2):** (21.15), (21.59)
- **Journal of Animal Physiology and Animal Nutrition, IF=2.72, (n=9)** (21.29), (21.35), (21.41), (21.42), (21.43), (21.50), (21.51), (21.53), (21.60)
- **Journal of Dairy Research, IF= 2.03, (n=9):** (21.7), (21.9), (21.10), (21.17), (21.18), (21.30), (21.32), (21.34), (21.66)

- **Journal of Dairy Science, IF= 4.23, (n=1): (21.103)**
- **Journal of Essential Oil Research, IF=2.53, (n=1): (21.33)**
- **Journal of Fungi, IF=5.72, (n=1): (21.69)**
- **Journal of the Hellenic Veterinary Medical Society, IF=0.52, (n=1): (21.57)**
- **Large Animal Review, IF=0.56, (n=1): (21.47)**
- **Livestock Science, IF= 1.94, (n=14): (21.4), (21.5), (21.8), (21.19), (21.20), (21.31), (21.39), (21.44), (21.54), (21.55), (21.56) (21.71), (21.76), (21.79)**
- **Metabolites, IF=5.58, (n=1): (21.110)**
- **Microorganisms, IF=4.93, (n=1): (21.87)**
- **Notulae botanicae horti agrobotanici Cluj-Napoca, IF=1.25, (n=1): (21.68)**
- **Plants, IF=4.66 (n=1): (21.105)**
- **PLOS ONE, IF=3.75, (n=1): (21.63)**
- **Small Ruminant Research IF=1.89, (n=8): (21.6), (21.12), (21.13), (21.14), (21.45), (21.46), (21.67), (21.95)**
- **Sustainability, IF=3.89, (n=6): (21.72), (21.73), (21.97), (21.101), (21.108), (21.111)**
- **Talanta, IF=6.56, (n=1): (21.26)**

Sum of IF= 345.13

\$The impact factors of the journals correspond to their impact factors in 18/01/2023

- ***h* index= 21**
- **Citations=1354 (1058** excluding self-citations)
- **Co-authors=158**

Based on Scopus database <http://www.scopus.com> updated until **18/01/2023**

24. ADMINISTRATIVE EXPERIENCE

Participation in the following administrative committees of the Agricultural University of Athens:

1. Substitute member of the competition committee for the appointment of contractors for the upgrading of laboratory equipment at the Faculty of Animal Science and Aquaculture (reference number 7998/16.10.2013 of the Agricultural University of Athens Rector).
2. Member of the Working Group of the Faculty of Animal Science and Aquaculture of the Agricultural University of Athens for the submission of a proposal entitled "Updating the knowledge of graduates from the Universities (ΠΕΓΑ)", ΕΣΠΑ 2007-2013.
3. Substitute member of the evaluation committee for assignment, evaluation, monitoring and receipt of services and supplies of the Laboratory of Applied Hydrobiology of the Agricultural University of

Athens (reference number 99/08.01.2014 of the Agricultural University of Athens Rector).

4. Head of the evaluation committee for the Legal objections of the Agricultural University of Athens from 01.01.2016-31.12.2016 (reference number 11098/22.12.2015 of the Agricultural University of Athens Rector).
5. Member of the committee for the Deliverables Receiving and Quality Certification of the sub-project «Utilization of discarded catches in the Greek seas for the production of fish oil and its use for experimental breeding of sea bream and sea bass» E.Π.ΑΑ 2007 – 2013 Reference number: ΟΠΣΑΑ: 185362 in 3.5 Action (reference number 8341/09.06.2016 Vice Rector of Finance, Planning and Development of the Agricultural University of Athens).
6. Head of the committee for assignment, evaluation, monitoring and receipt of services and supplies of the Department of Nutritional Physiology and Feeding at the Faculty of Animal Science and Aquaculture of the Agricultural University of Athens from 01.01.2017-31.12.2017 (reference number 513/20.01.2017 of the Agricultural University of Athens Rector).
7. Member of the evaluation committee for conducting Open or Closed Public Tenders, Evaluation of Results and Negotiation Processes, Open Tenders for the lowest or the most economically advantageous or the most economically advantageous tender, of the Agricultural University of Athens from 01.01.2018-31.12.2018 (reference number 66/08.01.2018 of the Agricultural University of Athens Rector).
8. Member of the 3-member Advisory Board of the Faculty of Animal Science and Aquaculture of the Agricultural University of Athens for the evaluation of the applications for the integration of administrative

staff in the positions of Special Technical Laboratory Personnel (E.T.E.II). Pursuant to paragraph of article 66 of Law 4415/2016, As replaced by the article 20 of Law 4452/2017 (reference number 54/15.02.2018 of the Faculty of Animal Science and Aquaculture of the Agricultural University of Athens).

9. Evaluator of the gradational exams of the Faculty of Animal Science and Aquaculture for the academic year 2018-2019 (reference number 61/03.07.2018 of the Faculty of Animal Science and Aquaculture Committee of the Agricultural University of Athens).
10. Substitute member of the evaluation committee for the Evaluation, Monitoring, Receipt, Procurement-Services and Deletion of Permanent and Consumable Material of the Department of Nutritional Physiology and Feeding at the Faculty of Animal Science and Aquaculture of the Agricultural University of Athens from 11.02.2019-31.12.2019 (reference number 1347/11.02.2019 of the Agricultural University of Athens Rector).
11. Member of the Five-Member Central Electoral Committee for the appointment of Dean of School of Animal Biosciences from the period 1.9.2019 - 31.8.2022 (reference number 5590/05.06.2019 of the Agricultural University of Athens Rector).
12. Head of the three Member Committee for the nomination of three members of the Academic staff members of the Department of Animal Production Science for participation in the Deanship of the School of Animal Biosciences of the Agricultural University of Athens for the Academic year 2020-2021 (reference number 933/20.10.2020 of the Department of Animal Production Science, Head).

13. Substitute member of the Monitoring and Receipt Committee of the project entitled "Feed Mill Industry" for the needs of the Agricultural University of Athens» (reference number 2791/16.03.2020 of the Agricultural University of Athens Rector).

14. Substitute member of the committee for assignment and evaluation, monitoring and receipt of services and supplies Electronic Open Tender for the supply of Laboratory Equipment-Phase A for the needs of the Agricultural University (reference number 995/09.02.2021 Vice Rector of Finance, Planning and Development of the Agricultural University of Athens).

15. Substitute member of the application evaluation committee for the invitation of the Special Accounting Office of the Agricultural University of Athens, reference number 8657/08-03-2021, for (1) position of PhD candidate, in the framework of the project entitled "Development and comparison of methods for the detection and quantification of phytoestrogens in fish feed raw materials, fish feed and farmed Mediterranean fish species Estrofish" Reference number ΟΠΣ: Τ6ΥΒΠ-00536 /ΕΑΚΕ: 343.2097.

16. Member of the Evaluation Committee of the Doctoral Candidate application of Nikolaos Manouil in the Laboratory of Nutritional Physiology and Feeding in the Department of Animal Science (reference number 103/20-12/2021 Decision of the General Assembly of the Faculty of Animal Science and Aquaculture of the Agricultural University of Athens).

17. Substitute member of the Committee for Conducting and Evaluating an Electronic Open Tender below the limits for the supply of Computers, Peripheral Systems and Network Equipment for the Agricultural

University of Athens (Tender number 108821) (reference number 3479/19.04.2021 of the Agricultural University of Athens Rector).

18. Head of the Evaluation Committee by decision of the General Assembly of the Department of Agricultural Enterprises and Supply Systems (reference number 38ⁿ/15-07-2021) in the framework context of invitation with reference number 26850/03-08-2021, for the implementation of the Act "Acquisition of Academic Teaching Experience for Young Scientists with Ph.D. 2021-2022 at the Agricultural University of Athens, with reference number ΟΠΣ (MIS) 5129437 and reference number of ΕΑΚΕ 116.0001.
19. Member of the Evaluation Committee for the evaluation of Applications in the context of the implementation of the project act "Supporting the educational activities of the Agricultural University of Athens, during the academic year 2021-2022 with the integration of remedial teaching in addition to the main lectures" (reference number 8917/28.3.2022 Special Account Office of the Agricultural University of Athens, ΑΔΑ ΩΖ8Α46Ψ8Ζ6).
20. Substitute member of the application evaluation committee for the invitation of the Special Accounting Office of the Agricultural University of Athens, reference number 34679/08-11-2022, for (1) position of a Msc candidate holder, in the framework of the project «Mitigating climate impact of sheep through innovative feeding approaches, with reference number ΕΑΚΕ 08.0127.
21. Member of the Evaluation Committee of the Doctoral Candidate application of Karageorgiou Agori in the Laboratory of Animal Breeding and Husbandry in the Department of Animal Science (reference number 117/21-12/2022 Decision of the General Assembly

of the Faculty of Animal Science and Aquaculture of the Agricultural University of Athens).

22. Member of the Evaluation Committee for the election of Academic Staff members (4):

- Position Code APELLA: APP16346, Department of Animal Science of the Agricultural University of Athens.
- Position Code APELLA: APP23379, Department of Animal Science of the Agricultural University of Athens.
- Position Code APELLA: APP12682, Department of Animal Science of the Agricultural University of Athens.
- Position Code APELLA: APP25237, Department of Veterinary Medicine of the Aristotle University of Thessaloniki.

23. Member of the Electorate Committee for the election of Academic Staff members (10):

- Regular member (5):
 - Position Code APELLA: APP17959, Department of Animal Science of the Agricultural University of Athens.
 - Position Code APELLA: APP5424, School of Agricultural Technology of TEI of Thessaly.
 - Position Code APELLA: APP5894, Department of Animal Science of the Agricultural University of Athens.
 - Position Code APELLA: APP23893, School of Agriculture of the Aristotle University of Thessaloniki.

- Position Code APELLA: APP12298, Department of Animal Science of the Agricultural University of Athens.

- Alternate member (5):

- Position Code APELLA: APP10580, Department of Animal Science of the Agricultural University of Athens.

- Position Code APELLA: APP30268, Department of Agriculture, of the International Hellenic University.

- Position Code APELLA: APP18207, Department of Animal Science of the Agricultural University of Athens.

- Position Code APELLA: APP25594, School of Agriculture of the Aristotle University of Thessaloniki.

- Position Code APELLA: APP16599, Department of Animal Science of the Agricultural University of Athens.

24. Member of the Evaluate Committee for the selection Staff members in Research Institute (1)

- Position Code APELLA: APP17293, Institute of Animal Production Science (Giannitsa-Pella) of the Greek Agricultural Organization- Dimitra.

25. Member of the Specific committee of the Inter-Departmental Postgraduate studies program entitles “Integrated Management of milk production and dairy products” organized by the Faculty of Animal Science and Aquaculture and the Faculty of Food Science and Human Nutrition (2012-).

26. Member of the management committee of the Inter-Departmental Postgraduate studies program entitled “Integrated Management of milk production and dairy products” organized by the Faculty of Animal Science and Aquaculture and the Faculty of Food Science and Human Nutrition (2018-) (reference number 44/23.10.2018 of the Specific committee of the Inter-Departmental program).

27. Member of the Faculty of Animal Science and Aquaculture Committee (2011-onwards)

25. SUMMARY

Scientific achievements:

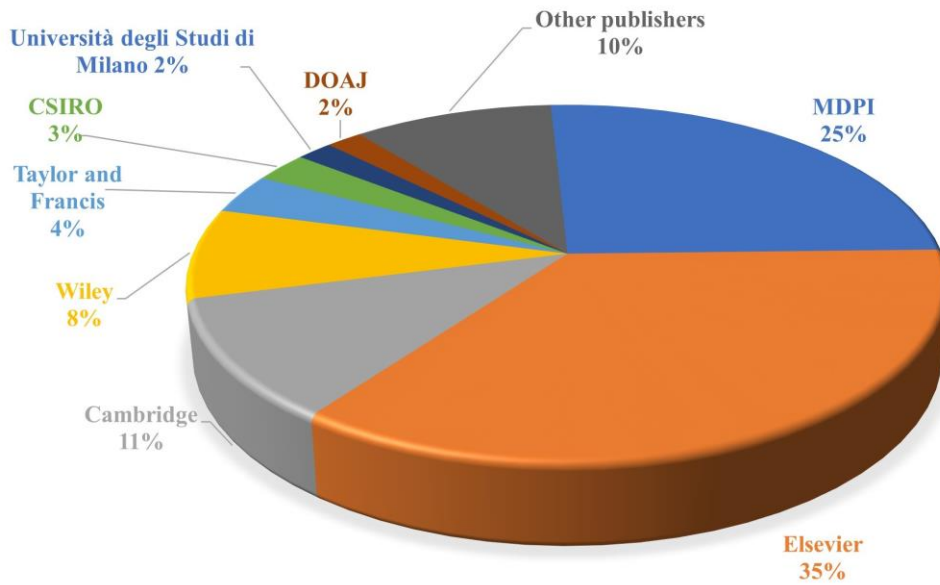
- Bachelor’s degree
- Master’s degree
- PhD thesis
- **Mobility:**
 - Post-Doctoral Research (Reading University and Agricultural University of Athens)
 - Visitor Professor at the Department of Veterinary Science of the University of Parma
 - National Scientific Qualification as Full Professor in the Italian Higher Education System 09/2022-09/2032
 - National Scientific Qualification as Associate Professor in the Italian Higher Education System 09/2022-09/2032
- **Coordinator**-Work package leader in **9** research projects (**6** as coordinator and **3** with other administrative roles)

- **Participation** in **23** Research Projects, **4** of which were funded by the European Union (**3** LIFE, **1** Horizon and **1** Marie Skłodowska-Curie Actions)
- **External Evaluator** in **3** Research Projects [**1** for the Slovak Research and Development Agency and **2** for the Croatian Science Foundation (HRZZ)].
- **Awards** (**5**): Inclusion in **the World's Top 2%** of Scientists at Stanford University ranking for 2022 (**1**). Award from the **Dairy Industry FrieslandCampina Hellas** in the competition «Idea challenge 2019» (**1**), **Young Scientist Award 2017** from the European Association of Animal Production (**1**), **Best reviewer** of Small Ruminant Research for 2015 and 2016 (**1**), **Best MSc student** from the Department of Nutritional Physiology and Feeding (**1**)
- **Scholarships** (**5**), **2** from the National Scholarship Foundation for Post graduate studies and Post Doctoral Research respectively and **3** from the European Association for Animal Production (EAAP)
- **Section Editor** (20/3/2017-05/02/2021) in the Italian Journal of Animal Science
- **Associate Editor** (05/02/2021- onwards) in the Italian Journal of Animal Science.
- **Guest Editor** (**3**) in Foods Journal (ISSN 2304-8158) Special Issue (Development of Novel Feeding Strategies to Improve Milk and Dairy Quality), in Animals Journal (ISSN 2076-2615) Special Issue (Nutrients and Feed Additives in Modulating Rumen Microbiome) and in Frontiers in Animal Science (ISSN: 2673-6225) (Seaweeds and Algae in Animal Nutrition).
- **Editorial board member** (**3**): in the Journal of Dairy Research, SciTz Nutrition and Food Science, Gavin Journal of Food and Nutritional Science
- **Chairperson** (**8**), in **6** International and **2** National Conference
- **Reviewer** in **24** Journals
- **Invited speaker** (**1**)
- **Supervisor** (**6**), member in the **Advisory Committee** (**3**) and member of the **Examination Committee** (**3**), and **External Evaluator** in the Universities of Milan, Parma and Sassari (**5**) of PhD thesis.

- **PhD completed theses as Supervisor** so far: **3**.
- **PhD completed theses as Advisory Committee:** **3**.
- **Supervisor** (**5**) and member of the **Examination Committee** (**8**) of MSc dissertations
- **Supervisor** (**26**) and member of **Examination committee** (**54**) of undergraduate studies
- **Supervisor** of internship of **24** students
- **110 Publications** and **4 Book Chapters**
- **133 Abstracts in conference** (**59** International and **74** National)
- **Publications** in peer-review journals as first, last, or corresponding author **72/110** (65.5%):
 - Publications in peer-review journals as first author: **38/110** (34.5%)
 - Publications in peer-review journals as last author: **31/110** (28.2%)
 - Publications in peer-review journals as corresponding author: **65/110** (59.0%)
- **Autonomous publications** (first or last author without the participation of PhD supervisor) in peer-review journals: **32/110**
- **Publications** (peer review journal and book chapters) **per year** (2006-2023): **6.7**
- **Average impact factor** per publication in peer-review journals: **3.1**
- **Teaching in undergraduate** students/programs: **12** Academic years
- **Teaching in Master** students/programs: **10** Academic years
- Teaching in Erasmus students/programs
- **Achievements the last 5 years:**
 - **63** Publications in Peer-Review Journals
 - **3** Chapter in Scientific Books
 - **60** Presentations in National and International conferences
 - **2** Projects as Coordinator

- **2** Projects as Deputy Coordinator and Work Package Leader
 - **5** Projects with Scientific and Consulting Participation
 - **World's Top 2%** of Scientists based on Stanford University ranking for 2022.
-
- **International scientific recognition:**
 - **1354** Citations (**1058** excluding self-citations) with **h index= 21**
 - **External Evaluator** of PhD theses: **5**
 - **Hosting MSc and PhD** students for research: **4**
 - **Evaluator in Scientific Projects: 3**
 - **Visiting Professor** in abroad University
 - **Invited speaker** in the 71st EAAP Annual Meeting of the European Federation of Animal Science (EAAP)
 - **Participation** in European Research Projects and Consortium
 - **Board member in International Organizations:** Vice president (2017-2020) and Secretariat (2010-2016) of the Nutrition Commission of European Association for Animal Production (EAAP)
 - **Reviewer** and **Editorial Board Member** in peer-review journals
 - Awards: **Best Young Scientist 2017 EAAP**
 - **World's Top 2% of Scientists** based on Stanford University ranking for 2022.
-
- Publications statistics

Publications per publisher



Other publisher: David Publishing Company, SIVAR, Journal of the Hellenic Veterinary Medical Society, Notulae Botanicae Horti Agrobotanici Cluj-Napoca, Acta Scientific, In conference proceedings, FBN, EMU, SPINGER, PLOS, AGRIS (FAO).

Publications by type

