

# 2023



## **ALEXANDROS MAVROMMATIS**

Assistant Professor in Animal Nutrition

Laboratory of Nutritional Physiology and Feeding

Department of Animal Science

School of Animal Biosciences

Agricultural University of Athens

---

<b>Contents</b>	<b>Pages</b>
1. Personal Info	3
2. Current Position	3
3. Education	3
4. Research and Professional Experience	4
5. Teaching Experience	6
6. Awards and Scholarships	6
7. Other Skills	7
8. Member of Scientific Communities and Editorials	7
9. Presentations in National Conferences	8
10. Presentations in International Conferences	11
11. Articles in Commercial Journals	13
12. Peer-review Publications	13
13. Impact Factors and Statistics	19

---

---

## 1. Personal Info

Surname: **Mavrommatis**

Name: **Alexandros**

Father name: Nikolaos

Date of birth: 14<sup>th</sup> June 1991

Place of birth: Athens

Address: Athens

Contact: e-mail: [mavrommatis@aua.gr](mailto:mavrommatis@aua.gr)

Army duties: Completed

---

## 2. Current Position

**12/2022- onwards:** Assistant Professor in Animal Nutrition. Department of Animal Science, Agricultural University of Athens.

---

## 3. Education

### 3.1.

**10/2022- 12/2022:** Visiting Researcher in the Consorzio Agrario di Parma in the framework of CowficieNcy Project, H2020, MSCA in cooperation with the Dipartimento di Medicina Veterinaria, University of Parma, Italy.

### 3.2.

**10/2019-12/2022:** Post-doctoral research in Agricultural University of Athens

### 3.3.

**2014-2019:** PhD in Agriculture Science (Agricultural University of Athens). Thesis:

The effect of supplementation with microalgae *Schizochytrium sp.* in goats' diet, in milk and blood biochemical features, «excellent» (Grade: 10).

#### 3.4.

**2009-2014: BSc in Agriculture Science.** Diploma Thesis: 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. Intergraded Master in Agriculture Science (article 46 of 4485/2017).

---

### 4. Research and Professional Experience

#### 4.1.

**11/2019–11/2021: Postdoctoral researcher** 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». This research is co-financed by Greece and the European Union (European Social Fund-ESF) through the Operational Programme «Human Resources Development, Education and Lifelong Learning» in the context of the project “Reinforcement of Postdoctoral Researchers – 2nd Cycle” (MIS- 5033021), implemented by the State Scholarships Foundation (IKY).



#### 4.2.

**1/2021- 12/2022: Postdoctoral researcher,** Laboratory of Nutritional Physiology and Feeding in the framework of the Operational Program “Competitiveness, Entrepreneurship & Innovation” (EPAnEK) **YoGArt:** Yogurt of Greece produced with a novel Algae Ration Technology. Coordinator: Associate Professor E. Tsiplakou, employment contract: 28/12/2020-27/01/2023 (ΑΔΑ: 9ΕΓΨ46Ψ8Ζ6-Κ74).



<https://yogart-project.com/>

4.3.

**5/2020–11/2021: Postdoctoral researcher**, Laboratory of Nutritional Physiology and Feeding in the framework of the Operational Program “Competitiveness, Entrepreneurship & Innovation” (EPAnEK) “INVALOR: Research Infrastructure for Waste Valorization and Sustainable Management of Resources”. AUA coordinator: Associate Professor A. Koutinas (ΑΔΑ: ΩΒΤΕ46Ψ8Ζ6-Σ3Α). <https://www.invalor.org/el/home-gr/>



4.4.

**10/2019–3/2020, 7/2020-8/2020 and 11/2020- 12/2021: Postdoctoral researcher**, Laboratory of Nutritional Physiology and Feeding in the framework of European Project HORIZON 2020, DISARM: Disseminating Innovative Solutions for Antibiotic Resistance Management, funding no. 817591. AUA coordinator: Emeritus Professor G. Zervas (ΑΔΑ: 9Δ8946Ψ8Ζ6-999, ΨΑ0Π46Ψ8Ζ6-Μ0Ψ). <https://disarmproject.eu/>



4.5.

**12/2017 and 4/2018-12/2018: Early-stage researcher** in the framework of European Project «LIFE FORAGE4CLIMATE – Forage systems for less GHG emissions and more soil carbon sink in continental and Mediterranean agricultural areas», AUA coordinator: Professor G. Zervas.



4.6.

**3/2017-4/2017: Early-stage researcher** in the project “Supplementation of dairy ewes’ diet with Lysigem and MetaSmart” Coordinator: Associate Professor E. Tsiplakou. Funding source: KEMIN Industry.

4.7.

**1/2015-7/2015: External Scientific Service** in Nutria Hellas IKE. Client support in

ruminants' diets and new feed additives documentation.

---

## 5. Teaching Experience (before the election in the current position)

### 5.1.

Sessional lecturer (University Scholar, IDOX Contract) of the University of Thessaly in the Department of Veterinary Medicine for the winter semester of the academic year 2021-2022 (4/10/2021 - 31/1/2022). Course: Nutrition of Productive Animals

### 5.2.

Academic Scholarship for the year 2021-2022 (13/10/2021 – 30/9/2022) from the Special Account for Research Funds (ELKE) of the Agricultural University of Athens (AUA) in the framework of the EDBM-96 project "Acquisition of Academic Teaching Experience in Young Scholars -2022 at the Agricultural University of Athens ". Independent teaching of the courses:

- i) Animal Husbandry of the 1<sup>st</sup> semester of the Department of Agribusiness & Supply Chain Management.
- ii) Animal Nutrition of the 2<sup>nd</sup> semester of the Department of Agribusiness & Supply Chain Management.

---

## 6. Awards- Scholarships

### 6.1.

**2019:** NOYNOY FrieslandCampina Hellas Award for pilot implementation. NOYNOY Idea Challenge (Research Team: Christodoulou C., Mavrommatis A., Mitsiopoulou C., Zervas G., Tsiplakou E. project: Supplementation with camelina seeds on dairy cows' diets).

### 6.2.

**10/2016 - 12/2016:** Scholarship by National and Kapodistrian University of Athens and Jean Monnet European Center of Excellence for seminar "European Agricultural Governance"

### 6.3.

**2019- 2021:** Scholarship by the State Scholarship Foundation (IKY) for Postdoctoral

Research (24 months).

---

## 7. Other skills

### Language:

#### English:

UNDESTANDING		ORAL		WRITEN
Oral	Reading	Communication	Speaking	
B2	B2	B2	B2	B2
Certificate of Competency in English University of Michigan (B2)				

### Digital skills:

#### Microsoft Office:

Self-assessment		
Word	Excel	PowerPoint
Experienced user	Experienced user	Experienced user

#### Statistics:

- Discriminant analysis
- Principal Component Analysis
- Heat maps
- ANOVA
- MANOVA
- Repeated measures
- Correlation scatter plots
- K-means clustering

---

## 8. Member of scientific societies and Editorials

- Member of Hellenic Federation of Animal Science (E.Z.E.)
- Member of Geotechnical Chamber of Greece (GEOT.E.E.)
- Reviewer Board member of Animals Journal (ISSN 2076-2615) ([https://www.mdpi.com/journal/animals/submission\\_reviewers](https://www.mdpi.com/journal/animals/submission_reviewers))

Guest Editor in **Animals** Journal (ISSN 2076-2615) after invitation:

- Special Issue: *Nutrients and Feed Additives in Modulating Rumen Microbiome*
- Special Issue: *Algae in Animal Nutrition*
- Research Topic Editor (**Guest Associate Editor**) in **Frontiers in Animal Science**. *Seaweeds and Algae in Animal Nutrition*

**Reviewer in (number of reviews):**

Animals MDPI (I.F.=2.75) (40)

Foods MDPI (I.F.=4.35) (2)

Fermentation MDPI (I.F.=3.97) (1)

Ruminants MDPI (1)

Dairy MDPI (1)

Microorganisms MDPI (I.F.=4.13) (3)

Journal of Food Analysis and Composition (I.F.=4.55) (1)

Veterinary Medicine and Science (I.F.=1.95) (1)

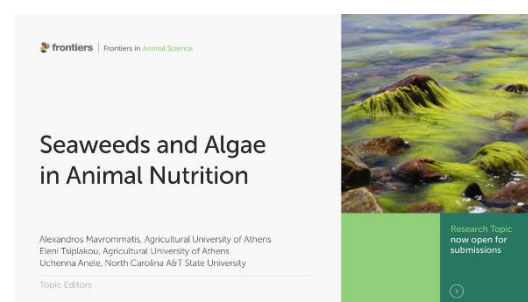
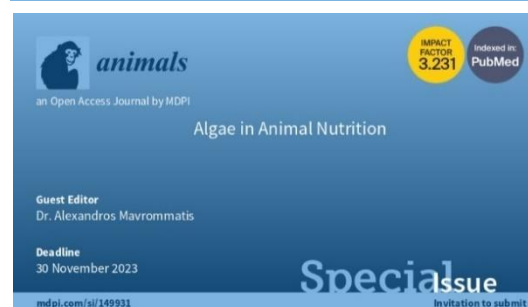
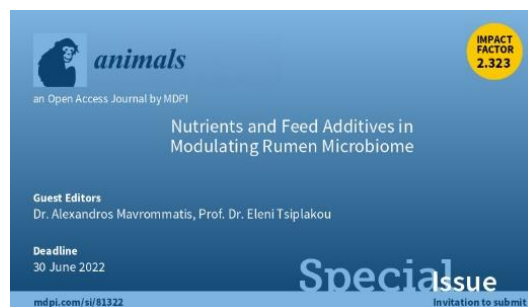
Scientific Reports-Nature (I.F.=4.379) (1)

Italian Journal of Animal Science (I.F.=2.21) (4)

---

Total review: 54

*\*Statistics have been generated by publons*



---

## 9. Presentations in National Conferences

---

### 9.1. Oral presentation – conference proceedings

1. **A. Mavrommatis**, T. Kalogeropoulos, E. Tsiplakou, P. Koutsouli, J. Bizelis, G. Zervas 2014 The effect of supplementation of betaine, methionine and choline in sheep diets in milk yield and chemical composition. Book of abstracts, Hellenic Zootechnics Company, No. 40, page 79 (29th Scientific Conference of Hellenic Zootechnics Company, Kiparissia 2014)
2. **A. Mavrommatis**, E. Tsiplakou, G. Zervas 2016 The effect of supplementation microalgae *Schizochytrium* sp. in goats' milk and blood fatty acid profile. Book of abstracts, Hellenic Zootechnics Company, No. 44, page 97-98 (31st Scientific Conference of Hellenic Zootechnics Company, Serres 2016)



3. **A. Mavrommatis**, E. Tsiplakou, N. Labrou, G. Zervas 2016 The effect of supplementation microalga *Schizochytrium* sp. in goats' milk and blood enzymes related with oxidation. Book of abstracts, Hellenic Zootechnics Company, No. 44, page 89-90 (31st Scientific Conference of Hellenic Zootechnics Company, Serres 2016)
4. C. Christodoulou, V. Kotsabasi, E. Tsiplakou, V. Bambidis, **A. Mavrommatis**, C. Mitsiopoulou, C. Karaiskou, V. Christodoulou, G. Zervas, D. Dotas 2016 The effect of pulp pomegranate silage in qualitative characteristics in dairy cows' milk. Book of abstracts, Hellenic Zootechnics Company, No. 44, page 107-108 (31st Scientific Conference of Hellenic Zootechnics Company, Serres 2016)
5. **A. Mavrommatis**, C. Mitsiopoulou, D. Bouriti, I. Dimou, G. Zervas, E. Tsiplakou 2017 The effect of supplementation in ewes' diet' rumen protected amino acid in milk performance. Book of abstracts, Hellenic Zootechnics Company, No. 45, page 68-69 (32nd Scientific Conference of Hellenic Zootechnics Company, Larisa 2017)
6. **A. Mavrommatis**, I. Vouga, K. Karapournioti, Z. Komi, G. Zervas, E. Tsiplakou 2017 The interaction of of supplementation microalga *Schizochytrium* sp. and forage to concentrate feeds in goats' milk fatty acid. Book of abstracts, Hellenic Zootechnics Company, No. 45, page 80-81 (32nd Scientific Conference of Hellenic Zootechnics Company, Larisa 2017)
7. **A. Mavrommatis**, N. Labrou, G. Zervas, E. Tsiplakou 2018 The interaction of supplementation microalga *Schizochytrium* sp. and forage to concentrate feeds in goats' milk and blood antioxidant status. Book of abstracts, Hellenic Zootechnics Company, No.47, page 68,69 (33rd Scientific Conference of Hellenic Zootechnics Company, Preveza 2018)
8. **A. Mavrommatis**, D. Skliros, EM. Fliemetakis, G. Zervas, E. Tsiplakou 2018 The effects of dietary supplementation with rumen protected amino acids on the expression of some genes involved in the immune system of ewes. Book of abstracts, Hellenic Zootechnics Company, No.47, page 76-78 (33rd Scientific Conference of Hellenic Zootechnics Company, Preveza 2018).
9. G. Zervas, **A. Mavrommatis**, C. Mitsiopoulou, E. Tsiplakou 2018 Assessment of dairy cows' management and diet in Greece with the aim of improving them. Book of abstracts, Hellenic Zootechnics Company, No.47, page 25-26 (33rd Scientific Conference of Hellenic Zootechnics Company, Preveza 2018).

10. **A. Mavrommatis**, D. Skliros, EM. Flemetakis, G. Zervas, E. E. Tsiplakou 2019. The effect of dietary supplementation of microalgae *Schizochytrium* sp. on rumen microbiome. Book of abstracts, Hellenic Zootechnics Company, No.49, page 44-45 (34th Scientific Conference of Hellenic Zootechnics Company, Volos 2019).
11. **A. Mavrommatis**, G. Theodorou, I. Politis, G. Zervas, E. E. Tsiplakou 2019. The effect of dietary supplementation of microalgae *Schizochytrium* sp. on selective immune genes in monocytes and neutrophils of goats. Book of abstracts, Hellenic Zootechnics Company, No.49, page 46-47 (34th Scientific Conference of Hellenic Zootechnics Company, Volos 2019).
12. **A. Mavrommatis**, C. Mitsiopoulou, M. Lagonikou, P. Kyriakaki, T. Bartzanas, E. Tsiplakou, G. Zervas 2019. Evaluation of the greenhouse gases emitted by different sheep and goat farming systems in Greece. Book of abstracts, Hellenic Zootechnics Company, No.49, page 83-84 (34th Scientific Conference of Hellenic Zootechnics Company, Volos 2019).
13. C. Mitsiopoulou, **A. Mavrommatis**, P. Kyriakaki, M. Lagonikou, E. Tsiplakou, G. Zervas 2019. Dietary nitrogen efficiency in dairy small ruminants under different farming systems. Book of abstracts, Hellenic Zootechnics Company, No.49, page 42-43 (34th Scientific Conference of Hellenic Zootechnics Company, Volos 2019).
14. C. Christodoulou, **A. Mavrommatis**, C. Mitsiopoulou, G. Symeon, V. Dots, K. Sotirakoglou, V. Kotsabasi, E. Tsiplakou. The effect of *Camelina* seeds on the diets of ewes on the oxidative state of the organism and milk. Book of abstracts, Hellenic Zootechnics Company, No.X, page (35th Scientific Conference of Hellenic Zootechnics Company, Athens 2021).
15. C. Christodoulou, A. Mavrommatis, V. Kotsabasi, E. Tsiplakou. The effect of *Spirulina* incorporation on the quality characteristics of milk and on the oxidative state. Book of abstracts, Hellenic Zootechnics Company, No.X, page (35th Scientific Conference of Hellenic Zootechnics Company, Athens 2021).

---

## 9.2. Poster presentation - conference proceedings

16. **Mavrommatis A.**, Tsiplakou E., Skliros D., Flemetakis E., 2019. Monitoring rumen microbiome manipulation under microalgae dietary supplementation using Next-

Generation Sequencing. 70<sup>th</sup> Annual Conference of the Hellenic Society of Biochemistry and Molecular Biology (HSBMB), Athens 2019, Book of Abstract, p. 122(Poster).

17. **Mavrommatis A.**, Skliros D., Flemetakis E., Tsiplakou E., 2019. Monitoring rumen microbiome manipulation under microalgae dietary supplementation using Next-Generation Sequencing. 7<sup>th</sup> National Young Investigators Forum of Hellenic Society of Biochemistry and Molecular Biology (HSBMB), Athens 2019, Book of Abstract, p. 110 (Poster).

---

### 9.3. Articles in conference proceedings

18. **A. Mavrommatis**, A. Mataragka, J. Ikonopoulou, E. Tsiplakou, G. Zervas 2020. Disseminating Innovative Solutions for Antibiotic Resistance Management-DISARM. 12<sup>th</sup> Hellenic Union of Bio-Scientist, Greece, Pasteur Institute. 27-29 November 2020.

---

### 10. Presentations in International Conferences

---

#### 10.1. Oral presentation – conference proceedings

1. Tsiplakou, E., **Mavrommatis, A.**, Labrou N., Zervas G., 2018. 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. EAAP 2018 Symposium Dubrovnik, Croatia. Book of Abstracts p. 221.
2. Tsiplakou E., **Mavrommatis A.**, Mitsiopolou C, 2020. The rumen- protected amino acids affect sheep milk chemical composition and antioxidant capacity. EAAP 2020 Symposium Porto, Portugal. Book of Abstracts p. 608.
3. Tsiplakou E., **Mavrommatis A.**, Skliros D., Flemetakis E., 2020. The role of amino acids on the expression of genes involved on ewes' immune system. EAAP 2020 Symposium Porto, Portugal. Book of Abstracts p. 609.
4. **A. Mavrommatis**, C. Mitsiopolou, 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. International Symposium on Climate-Resilient Agri-Environmental Systems, Dublin, Virtual. 3-6 of November, 2020. Book of abstract, p-57. Oral presentation.
5. C. Mitsiopolou, **A. Mavrommatis**, E. Tsiplakou, G. Zervas, M. Teresa Pacchioli, 2020. Dietary nitrogen efficiency in dairy small ruminants under different farming systems.

- International Symposium on Climate-Resilient Agri-Environmental Systems, Dublin, Virtual. 3-6 of November 2020. Book of abstract, p-59. Flash talk.
6. **A. Mavrommatis**, E. Tsiplakou, 2021. DHA and  $\omega$ 6-DPA Modify Toll-like receptor 4 Signaling in Monocytes and Neutrophils of Dairy Goats EAAP 2021 Symposium Davos, Switzerland. Book of Abstracts p.
  7. **A. Mavrommatis**, D. Skliros, E. Fliemetakis, E. Tsiplakou, 2021. Microalgae *Schizochytrium* spp.: A game-changer in goats' rumen microbiome. EAAP 2021 Symposium Davos, Switzerland. Book of Abstracts p.
  8. Royer, E., **Mavrommatis, A.**, Leen, F., Delaisse, L., Tsiplakou, E., Ferreira, H., Zervas, G., 2021. Evaluation of a multi-actor farm team in prudent use of antibiotics in French and Greek dairy sheep. EAAP 2021 Symposium Davos, Switzerland. Book of Abstracts p.
  9. Helena C. de Carvalho Ferreira, **Alexandros Mavrommatis**, Eleni Tsiplakou, George Zervas, Marc Heyndrickx, Laura Peeters, Ilias Chantziaras, Sandija Zeverte-Rivza, Aija Malniece, Kaspars Kovalenko, Erwin Wauters, 2022. Application of Multi-actor farm health approaches for the improvement of antimicrobial use practices across nine European countries. AACTING 3rd International Conference, 5-6 May 2022, Hannover, Germany.
  10. **Mavrommatis, A.**, Zisis, F., Kyriakaki, P., Satolias, F., Skourtis, A., Tsiplakou, E, 2022. 'YoGArt Project: The use of algae as feed additives in ewes' diet to promote functional dairy products'. EAAP Annual Meeting 2022, Porto, Portugal.
  11. C. Christodoulou, **A. Mavrommatis**, B. Kotsampasi and E. Tsiplakou, 2022. Effect of *Camelina sativa* seeds in ewes milk quality and oxidative status in both organism and milk. EAAP Annual Meeting 2022, Porto, Portugal.
  12. E. Vargas-Bello-Pérez, K. Tajona<sup>2</sup>, G. Foggi, M. Melle, S. Panagiotis, **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 (invited). EAAP Annual Meeting 2022, Porto, Portugal.

---

## 10.2. Poster presentation - conference proceedings

13. 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, C.A.,

2018. Georgiou Authentication of Greek PDO cheeses through data fusion of elemental, fatty acid profile and physicochemical properties (ACAC 2018). Book of abstracts P.208 (Poster).
14. 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, C.A. Georgiou, 2018. Fusion of elemental and fatty acid profile for authentication of Greek PDO and traditional cheeses 11Th Aegean Analytical Chemistry Days (AACD2018) Book of abstracts P2-31 (Poster).
15. **A. Mavrommatis**, A. Mataragka, J. Ikonopoulou, E. Tsiplakou, G. Zervas, 2020. Disseminating Innovative Solutions for Antibiotic Resistance Management-DISARM. 2<sup>nd</sup> International Conference of the European College of Veterinary Microbiology, Bari, Italy, virtual. 25-27 October, 2020. Book of abstract, p-84.

---

### 10.3. Articles in conference proceedings

16. Christodoulou, C., Kotsambasi, B., Tsiplakou, E., **Mavrommatis**, A., Mitsiopoulou, C., Karaiskou, C., Ntotas, D., Bampidis, V., Christodoulou, V., Zervas, G., 2017. Pomegranate pulp silage inclusion on lactating dairy cows' diets and its effects on milk yield, antioxidant status and milk fatty acid profile. XII Kabrt's Dietetic Days International Conference. Abstracts p. 181-187. Brno, Czech Republic, 20 April 2017.

---

### 11. Articles in Commercial Journals

1. Ruminant Nutrition: Strategies for optimizing milk production. Agriculture- Livestock Magazine Issue 04, April 2021, pp. 66-68.

---

### 12. Peer-review Publications

1. Tsiplakou E., Chatzikonstantinou M., Mitsiopoulou C., Karaiskou C., **Mavrommatis** A., Labrou N., Zervas G., 2017. The effect of soybean and fish oil inclusion in sheep and goat diets on their milk and plasma enzymes related with oxidation. Journal of Animal Physiology and Animal Nutrition 101(4):733-742 (DOI: 10.1111/JPN.12516).
2. Tsiplakou E., **Mavrommatis** A., Kalogeropoulos T., Chatzikonstantinou M., Koutsouli P., Labrou N., Zervas G., 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 (DOI: 10.1111/JPN.12537).
3. Tsiplakou E., Abdullah M., **Mavrommatis A.**, Chatzikonstantinou M., Skliros D., Flemetakis E., Labrou N., Zervas G., 2018. The effect of dietary *Chlorella vulgaris* inclusion on goat's milk chemical composition, fatty acids profile and enzymes activities related to oxidation. *Journal of Animal Physiology and Animal Nutrition* 102(1):142-151. (DOI: 10.1111/JPN.12671).
  4. Tsiplakou E., Abdullah M., **Mavrommatis A.**, Chatzikonstantinou M., Skliros D., Flemetakis E., Labrou N., Zervas G., 2017. The effect of dietary *Chlorella pyrenoidosa* inclusion on goat's milk chemical composition, fatty acids profile and enzymes activities related to oxidation. *Livestock Science* 197 (DOI: 10.1016/j.livsci.2017.01.014).
  5. Tsiplakou E., Yasoumis L., Maragkou A., **Mavrommatis A.**, Sotirakoglou K., Moatsou G., Zervas G., 2017. The response of goats to different starch/NDF ratio of concentrates on milk chemical composition, fatty acids profile, caseins fractions and rennet clotting properties. *Small Ruminant Research* 156 (DOI: 10.1016/j.smallrumres.2017.09.015).
  6. Kotsampasi V., Christodoulou C., Tsiplakou E., **Mavrommatis A.**, Karaiskou C., Mpampidis V., Ntotas, V., Zervas G., Mitsiopoulou C., Christodoulou V., 2017. The effect of pulp pomegranate silage in dairy cows' milk yield, fatty acid profile and blood plasma antioxidant enzymes. *Animal Feed Science and Technology* 234 (DOI: 10.1016/j.anifeedsci.2017.08.017).
  7. Tsiplakou E., Mitsiopoulou C., **Mavrommatis A.**, Karaiskou C., Chronopoulou E. G., Mavridis G., Sotirakoglou K., Labrou N. E., and Zervas G., 2018. Effect of under- and over-feeding on sheep and goat milk and plasma enzymes activities related with oxidation. *Journal of Animal Physiology and Animal Nutrition* 102(1):e288-e298 (DOI: 10.1111/jpn.12741).
  8. Tsiplakou E., **Mavrommatis A.**, Skliros D., Sotirakoglou K., Flemetakis E., Zervas G., 2018. The effects of dietary supplementation with rumen protected amino acids on the expression of several genes involved in the immune system of dairy sheep. *Journal of Animal Physiology and Animal Nutrition* 102(6):1437-1449. (DOI: 10.1111/JPN.12968).
  9. **Mavrommatis A.**, Chronopoulou E. G., Sotirakoglou K., Labrou N. E., Zervas G., Tsiplakou E., 2018. The impact of the dietary supplementation level with *Schizochytrium*

- sp*, on the oxidative capacity of both goats' organism and milk. *Livestock Science* 218 (DOI: 10.1016/j.livsci.2018.10.014).
10. B. Kotsampasi, E. Tsiplakou, C. Christodoulou, **A. Mavrommatis**, C. Mitsiopoulou, C. Karaiskou, E. Sossidou, N. Fragioudakis, V.A. Bampidis, V. Christodoulou, G. Zervas, 2018. Effects of dietary orange peel essential oil supplementation on milk yield, composition and fatty acid profile, and blood and milk antioxidant status of lactating dairy ewes. *Animal Feed Science and Technology* 245, 20-31 (DOI: 10.1016/j.anifeedsci.2018.08.007).
  11. Tsiplakou E., **Mavrommatis A.**, Skliros D., Righi F., Flemetakis E., 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 (DOI: 10.1371/JOURNAL.pone.0233192)
  12. Danezis G. P., Tsiplakou E., Pappa E. C., Pappas A. C., **Mavrommatis A.**, Sotirakoglou K., Georgiou C.A., Zervas G., 2020. Fatty acid profile and physicochemical properties of Greek PDO cheeses, implications for authentication. *European Food Research and Technology*. 246(9), 1741- 1753. (DOI:10.1007/s00217-020-03527-7).
  13. E. Tsiplakou, C. Mitsiopoulou, Skliros D., **Mavrommatis A.**, Flemetakis E., 2020. Feeding level regulates the expression of some genes involved with programmed cell death and remodeling in goats and sheep mammary tissue. *Journal of Dairy Research* 87 (4), 448-455 (DOI: 10.1017/S002202992000103X)
  14. **Mavrommatis A.**, Tsiplakou E., 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 (DOI: 10.1016/j.smallrumreS.2020.106252)
  15. **A. Mavrommatis**, C. Mitsiopoulou, C. Christodoulou, D. Karambinas, F. Nenov, G. Zervas, 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. (DOI: 10.3390/jof6040334)
  16. B. Kotsampasi, C. Christodoulou, **A. Mavrommatis**, C. Mitsiopoulou, V.A. Bampidis, V. Christodoulou, 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 (DOI: 10.1016/j.anifeedsci.2021.114815)

17. **Mavrommatis A.**, Skliros D., M. Simoni, F. Righi, F. Flietakis E., Tsiplakou E., 2021. Alterations in the rumen particle-associated microbiota of goats in response to dietary supplementation level of *Schizochytrium sp.* Sustainability 13(2), 607 (DOI: 10.3390/su13020607)
16. **Mavrommatis, A.**; Giamouri, E.; Tavrizelou, S.; Zacharioudaki, M.; Danezis, G.; Simitzis E.P.; Zoidis, E.; Tsiplakou E.; Pappas C.A.; Georgiou, A.C.; Feggeros K., 2021. Impact of mycotoxins on animals' oxidative status. Antioxidants, 10(2), 214 (DOI: 10.3390/antiox10020214)
17. **Mavrommatis A.**, Sotirakoglou K., Skliros D., Flietakis E., Tsiplakou E., 2021. Dose and time response of dietary supplementation with *Schizochytrium sp.* in the rumen microbiota of dairy goats. Livestock Science 247(1-4):104489 (DOI: 10.1016/j.livsci.2021.104489)
18. **Mavrommatis, A.**, C. Mitsiopolou, C. Christodoulou, P. Kariampa, F. Righi, E. Tsiplakou, 2021. Effects of supplementing rumen-protected methionine and lysine on milk performance and oxidative status of dairy ewes. Antioxidants 10, 654 (DOI: 10.3390/antiox10050654)
19. **Mavrommatis, A.**; Sotirakoglou, K.; Kamilaris, C.; Tsiplakou, E., 2021. Effects of Inclusion of *Schizochytrium spp.* and Forage-to-Concentrate Ratios on Goats' Milk Quality and Oxidative Status. Foods 10, 1322 (DOI: 10.3390/foods10061322 )
22. **Mavrommatis, A.**; Theodorou, G.; Politis, I.; Tsiplakou, E., 2020. *Schizochytrium sp.* Dietary Supplementation Levels Modify Toll-like receptor 4 (TLR4) Signaling in Monocytes and Neutrophils of Dairy Goats. Cytokine 148 (DOI: 10.1016/j.cyto.2021.155588)
23. **Mavrommatis, A.**; Skliros, D.; Flietakis, E.; Tsiplakou, E., 2021. Changes in the Rumen Bacteriome Structure and Enzymatic Activities of Goats in Response to Dietary Supplementation with *Schizochytrium spp.* Microorganisms 9(7) (DOI: 10.3390/microorganisms9071528)
24. **Mavrommatis, A.**; Giamouri, E.; Myrtsi, E.D.; Evergetis, E.; Philippi, K.; Papapostolou, H.; Kouloheri, S.D.; Zoidis, E.; Flietakis, E.; Pappas, A.C.; Koutinas, A.; Haroutounian, S.A; and Tsiplakou, E., 2021. Antioxidant Status of Broiler Chickens Fed Diets Supplemented with Vinification By-products: A Valorization Approach. Antioxidants 10, 8. (DOI: 10.3390/antiox10081250)
25. Christodoulou, C.; **Mavrommatis, A.**; Mitsiopolou, C.; Symeon, G.; Dotas, V.;



- Sotirakoglou, K.; Kotsampasi, B.; Tsiplakou, E., 2021. Assessing the Optimum Level of Supplementation with Camelina Seeds in Ewes' Diets to Improve Milk Quality. *Foods* 10, 2076. (DOI: 10.3390/foods10092076)
26. Manuelian, C.L.; Pitino, R.; Simoni, M.; **Mavrommatis, A.**; De Marchi, M.; Righi, F.; Tsiplakou, E., 2021. Plant Feed Additives as Natural Alternatives to the Use of Synthetic Antioxidant Vitamins on Livestock Mammals' Performances, Health, and Oxidative Status: A Review of the Literature in the Last 20 Years. *Antioxidants* 10, 1461. (DOI: 10.3390/antiox10091461)
27. **A. Mavrommatis**, D. Skliros, Sotirakoglou, K.; E. Fliemetakis, E. Tsiplakou. 2021. The effect of forage-to-concentrate ratio on *Schizochytrium* spp-supplemented goats: Modifying rumen microbiota. 2021. *Animals* 11(9), 2746 (DOI: 10.3390/ani11092746)
28. **Mavrommatis, A.**; Simitzis, P.E.; Kyriakaki, P.; Giamouri, E.; Myrtsi, E.D.; Evergetis, E.; Filippi, K.; Papapostolou, H.; Koulocheri, S.D.; Pappas, A.C.; Koutinas, A.; Haroutounian, S.A; and Tsiplakou, E., 2021. Immune-related genes expression profiling of broiler chickens fed diets supplemented with vinification by-products: A Valorization Approach II. *Animals* 11(11) (DOI: 10.3390/ani11113038).
29. **Mavrommatis, A.**; Zografaki, M.-E.; Marka, S.; Myrtsi, E.D.; Giamouri, E.; Christodoulou, C.; Evergetis, E.; Iliopoulos, V.; Koulocheri, S.D.; Moschopoulou, G.; Simitzis, P.E.; Pappas, A.C.; Fliemetakis, E.; Koutinas, A.; Haroutounian, S.A.; Tsiplakou, E., 2022. Effect of a Carotenoid Extract from Citrus reticulata By-Products on the Immune-Oxidative Status of Broilers. *Antioxidants* 11, 144. <https://doi.org/10.3390/antiox11010144>
30. Simoni M, Goi A, Pellattiero E, **Mavrommatis A**, Tsiplakou E, Righi F, De Marchi M, Manuelian CL., 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. *Arch Anim Breed.* 1;65(1):135-144. (DOI: 10.5194/aab-65-135-2022)
31. 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* 16(9), 100621. (DOI: 10.1016/j.animal.2022.100621)
32. Vargas-Bello-Pérez, E., Tajonar, K., Foggi, G., Mele, M., Simitzis, P., **Mavrommatis, A.**, Tsiplakou, E., Habib R.Md., Gonzalez-Ronquillo, M., Toro-Mujica, P., 2022. Consumer

- attitudes towards dairy products from sheep and goat: a cross-continental perspective. *Journal of Dairy Science*. (DOI: 10.3168/jds.2022-21894)
33. Zisis, F.; Kyriakaki, P.; Satolias, F.F.; **Mavrommatis, A.**; Simitzis, P.E.; Pappas, A.C.; Surai, P.F.; Tsiplakou, E., 2022. The Effect of Dietary Inclusion of Microalgae *Schizochytrium* spp. on Ewes' Milk Quality and Oxidative Status. *Foods* 11, 2950. (DOI: [10.3390/foods11192950](https://doi.org/10.3390/foods11192950))
  34. Giamouri, E.; **Mavrommatis, A.**; Simitzis, P.E.; Mitsiopoulou, C.; Haroutounian, S.A.; Koutinas, A.; Pappas, A.C.; Tsiplakou, E., 2022. Redefining the Use of Vinification Waste By-Products in Broiler Diets. *Sustainability* 14, 15714. (DOI: 10.3390/su142315714)
  35. Tzimotoudis N., Mataragka A\*, **Mavrommatis A.**, Malesios C., Anastasiadi V., Galanis D., Timofte D., Zendri F., Carvalho Ferreira H., Wauters E., Tsiplakou E., Zervas G., Ikonomopoulos J., 2022. Antimicrobial drug resistance in sheep farms in Greece: assessment of the current situation and investigation towards improving surveillance and control. *Acta Scientific Veterinary Sciences* 4.11 : 173-186.
  36. Christodoulou, C.; **Mavrommatis, A.**; Loukovitis, D.; Symeon, G.; Dotas V.; Kotsampasi, B.; Tsiplakou, E., 2023. *Camelina sativa* Seeds Dietary Supplementation Modifies Ewes Rumen Microbiota. *Animals*, 13, 377. (DOI:10.3390/ani13030377).
  37. Kyriakaki, P.; Zisis, F.; Pappas, A.C.; **Mavrommatis, A.**; Tsiplakou, E., 2023. Effects of PUFA-rich Dietary Strategies on Ruminants' Mammary Gland Gene Network. *A Nutrigenomics Review*. *Metabolites* 13, 1. (DOI:10.3390/metabo13010044)
  38. Giamouri, E., Zisis, F., Mitsiopoulou, Ch., Christodoulou, Ch., Pappas, A.C., Simitzis, P.E., Kamilaris, Ch., Galliou, F., Manios, Th., **Mavrommatis A.** and Tsiplakou E., 2023. Sustainable Strategies for Small Ruminants Farming. *Sustainability* 2023. (*In Press*).
  39. Zisis, F., Giamouri, E., Mitsiopoulou, Ch., Christodoulou, Ch., Kamilaris, Ch., **Mavrommatis, A.**, Pappas, A.C., Tsiplakou, E., 2023. An overview of poultry greenhouse gas emissions in the Mediterranean area. *Sustainability* 2023, 15, 1941. (DOI:10.3390/su15031941).

#### *Published chapters in scientific volumes*

40. Georganas, A., Giamouri, E., Christodoulou, C., **Mavrommatis, A.**, Zoidis, E., Papadomichelakis, G., Simitzis, P., Tsiplakou, E., Pappas, A., Fegeros, F. Chapter: Impact of bioactive compounds on animals and the environment in book "Bioactive Compounds

and Their Importance" 2021. Nova Publisher (DOI: 10.52305/AFDL7660).

---

### 13. Impact Factors and Statistics

**Summary of impact factor = 141.2**

**Average impact factor =3.53**

**Peer review publication per year= 6.6**

*\*1 The 2021 (2-Years) impact factor*

#### Citations and h index in various platforms

	<i>H index</i>	Citations	Co-authors
<i>Google Scholar</i>	14	360	-
<i>Scopus</i>	11	300	77
<i>ResearchGate</i>	12	354	-