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ΓΕΩΠΟΝΙΚΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΑΘΗΝΩΝ

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ΒΙΟΓΡΑΦΙΚΟ ΣΗΜΕΙΩΜΑ

Ακαδημαϊκοί τίτλοι

1980 Πτυχίο Ανωτάτης Γεωπονικής Σχολής Αθηνών, ειδίκευση Ζωοτεχνία

1991 Πτυχίο Παιδαγωγικών Σπουδών της Σ.Ε.Λ.Ε.Τ.Ε.

1996 Διδακτορικό δίπλωμα του Πανεπιστημίου Aberdeen, Ηνωμένο Βασίλειο.

Επαγγελματική δραστηριότητα

1981 έως 1985 σε βιομηχανία Ζωοτροφών ως επιστημονικός σύμβουλος και υπεύθυνος παραγωγής.

1985 έως 1990 στο Υπουργείο Γεωργίας, ως γεωπόνος γεωργικών εφαρμογών - ποιοτικός ελεγκτής της Διεύθυνσης Γεωργίας Λέσβου.

1990 έως 2000 στο Υπουργείο Γεωργίας, ως εισηγητής στο Τμήμα Βοσκοτόπων και Τεχνητών Λειμώνων και στο Τμήμα Ζωοτροφών της Διεύθυνσης Εισροών Ζωικής Παραγωγής.

2001 έως 2009 Λέκτορας, στο Τμήμα Επιστήμης Ζωικής Παραγωγής και Υδατοκαλλιεργειών του Γ.Π.Α. με αντικείμενο «Διαχείριση Βοσκών και Λειμώνων»

2009 έως 2018 Επίκουρος Καθηγητής, στο Τμήμα Επιστήμης Ζωικής Παραγωγής και Υδατοκαλλιεργειών του Γ.Π.Α. με αντικείμενο «Διαχείριση Βοσκών και Λειμώνων»

2018 έως 2022 Αναπληρωτής Καθηγητής στο Τμήμα Επιστήμης Ζωικής Παραγωγής του Γ.Π.Α. με αντικείμενο «Διαχείριση Βοσκών και Λειμώνων»

2022 έως 2023 Καθηγητής στο Τμήμα Επιστήμης Ζωικής Παραγωγής του Γ.Π.Α. με αντικείμενο «Διαχείριση Βοσκών και Λειμώνων»

2023 έως σήμερα αφυπηρετήσας Καθηγητής στο Τμήμα Επιστήμης Ζωικής Παραγωγής του Γ.Π.Α. με αντικείμενο «Διαχείριση Βοσκών και Λειμώνων»

Ερευνητικά ενδιαφέροντα

1. Υφιστάμενη κατάσταση ορεινών, ημιορεινών και πεδινών βοσκότοπων και εφαρμογή διαχειριστικών προγραμμάτων για την αναβάθμισή τους.
2. Δυνατότητες ανάπτυξης της ζωικής παραγωγής σε μονοφυτικούς, διφυτικούς και πολυφυτικούς λειμώνες σε ξηρικές ή αρδευόμενες περιοχές.
3. Συστήματα ζωικής παραγωγής που στηρίζονται στη βόσκηση.
4. Παραγωγικές, οικονομικές και κοινωνικές συνθήκες εκτροφής ζώων σε φυσικούς βοσκοτόπους και σε συνδυασμό με δενδρώδεις – αροτριάεις καλλιέργειες.
5. Διατροφική συμπεριφορά των φυτοφάγων αγροτικών ζώων (πρόβατα, αίγες, βοοειδή, ιπποειδή) σε σχέση με τις χωρο-χρονικές μεταβολές της βλάστησης των βοσκοτόπων και τα φυσικο-χημικά χαρακτηριστικά της.
6. Επίδραση της διατροφής των ζώων στη βοσκή στα ποιοτικά χαρακτηριστικά των ζωικών προϊόντων.
7. Επίδραση της βόσκησης σε περιβαλλοντικές παραμέτρους των φυσικών βοσκοτόπων και των τεχνητών λειμώνων (διάβρωση, ρύπανση, ευτροφισμός, βιοποικιλότητα κλπ).

Συμμετοχή σε ερευνητικά προγράμματα

- Συμμετοχή σε τριάντα πέντε (35) Εθνικά και Διεθνή προγράμματα εκ των οποίων σε δέκα (10) με την ιδιότητα του συντονιστή.

Δημοσιεύσεις ερευνητικού έργου

- Σαράντα πέντε (45) εργασίες σε διεθνή επιστημονικά περιοδικά της βάσης SCOPUS, πενήντα (50) πλήρεις εργασίες σε πρακτικά διεθνών συνεδρίων και περί τις εκατό (100) ανακοινώσεις σε Διεθνή και Εθνικά Συνέδρια.

Διδακτικό Έργο

α) Διδασκαλία Προπτυχιακών και Μεταπτυχιακών μαθημάτων

- Διδασκαλία προπτυχιακού μαθήματος «Βελτίωση και διαχείριση βοσκοτόπων».
- Διδασκαλία προπτυχιακού μαθήματος «Διατροφή Αγροτικών Ζώων».
- Συνδιδασκαλία προπτυχιακού μαθήματος «Βρωματολογία».
- Συνδιδασκαλία προπτυχιακού μαθήματος «Εφαρμοσμένη Διατροφή Αγροτικών Ζώων II»,.
- Συνδιδασκαλία προπτυχιακού μαθήματος «Ζωική παραγωγή και περιβάλλον».
- Διδασκαλία αντικειμένου «Διατροφή ζώων στην βοσκή», του Π.Μ.Σ. Γ.Π.Α. «Ζωική παραγωγή».
- Διδασκαλία αντικειμένου «Διατροφή θηραματικών ζώων», του Π.Μ.Σ. Γ.Π.Α. «Ζωική παραγωγή».
- Συνδιδασκαλία ενότητας «Διατροφή γαλακτοπαραγωγών ζώων», του Δ.Π.Μ.Σ. Γ.Π.Α. «Ολοκληρωμένη Διαχείριση Παραγωγής Γάλακτος και Γαλακτοκομικών Προϊόντων»
- Συνδιδασκαλία ενότητας «Επιχειρηματικότητα στη Φυτική παραγωγή», του Δ.Π.Μ.Σ. Γ.Π.Α. "Επιχειρηματικότητα & Συμβουλευτική στην Αγροτική Ανάπτυξη"
- Συνδιδασκαλία ενότητας «Ζωική Παραγωγή και περιβάλλον», του Δ.Π.Μ.Σ. Γ.Π.Α. "Επιχειρηματικότητα & Συμβουλευτική στην Αγροτική Ανάπτυξη"

β) Επίβλεψη και συμμετοχή ως μέλος εξεταστικής επιτροπής περί τις εκατό (100) προπτυχιακών και μεταπτυχιακών εργασιών, καθώς και οκτώ (8) διδακτορικών διατριβών.

Πρόσφατες Δημοσιεύσεις σε διεθνή περιοδικά της βάσης SCOPUS

- Mattila, M., Hadjigeorgiou, I. “Conservation and management of fallow deer (*Dama dama dama L.*) on Lemnos Island, Greece” (2015). *Turkish Journal of Veterinary and Animal Sciences*, 39 (5), pp. 560-567.
- Ragkos, A., Abraham, E.M., Papadopoulou, A., Kyriazopoulos, A.P., Parissi, Z.M., Hadjigeorgiou, I. “Effects of European Union agricultural policies on the sustainability of grazingland use in a typical Greek rural area” (2017). *Land Use Policy*, 66, pp. 196-204.
- Danezis, G.P., Pappas, A.C., Zoidis, E., Papadomichelakis, G., Hadjigeorgiou, I., Zhang, P., Brusic, V., Georgiou, C.A. “Game meat authentication through rare earth elements fingerprinting” (2017). *Analytica Chimica Acta*, 991, pp. 46-57.
- Baxevanos, D., Tsialtas, I.T., Vlachostergios, D.N., Hadjigeorgiou, I., Dordas, C., Lithourgidis, A. “Cultivar competitiveness in pea-oat intercrops under Mediterranean conditions” (2017). *Field Crops Research*, 214, pp. 94-103.
- Papadomichelakis, G., Zoidis, E., Pappas, A.C., Hadjigeorgiou, I. “Seasonal variations in the fatty acid composition of Greek wild rabbit meat” (2017). *Meat Science*, 134, pp. 158-162.
- Zoidis, E., Hadjigeorgiou, I. “Effects of drinking saline water on food and water intake, blood and urine electrolytes and biochemical and haematological parameters in goats: A preliminary study” (2018). *Animal Production Science*, 58 (10), pp. 1822-1828.
- Zoidis, E., Pouloupoulou, I., Tsoufi, V., Massouras, T., Hadjigeorgiou, I. “Effects of terpene administration on goats’ milk fatty acid profile and coagulation properties” (2018). *International Journal of Dairy Technology*, 71 (4), pp. 992-996.
- Perucho, L., Ligda, C., Paoli, J.-C., Hadjigeorgiou, I., Moulin, C.-H., Lauvie, A. “Links between traits of interest and breeding practices: Several pathways for farmers’ decision making processes” (2019). *Livestock Science*, 220, pp. 158-165.
- Danezis, G., Theodorou, C., Massouras, T., Zoidis, E., Hadjigeorgiou, I., Georgiou, C.A. “Greek graviera cheese assessment through elemental metabolomics - Implications for authentication, safety and nutrition” (2019). *Molecules*, 24 (4), art. no. 670.
- Perucho, L., Hadjigeorgiou, I., Lauvie, A., Moulin, C.-H., Paoli, J.-C., Ligda, C. “Challenges for local breed management in Mediterranean dairy sheep farming: insights from Central Greece” (2019). *Tropical Animal Health and Production*, 51 (2), pp. 329-338.
- Danezis, G.P., Zoidis, E., Zhang, P., Pappas, A.C., Tsagkaris, A.S., Papachristidis, C.A., Papadomichelakis, G., Hadjigeorgiou, I., Georgiou, C.A. “Tissue distribution of rare earth elements in wild, commercial and backyard rabbits” (2019). *Meat Science*, 153, pp. 45-50.
- Pouloupoulou, I., Zoidis, E., Avramidou, S., Massouras, T., Hadjigeorgiou, I. “Effects of terpenes administration on fatty acid profile and coagulation properties of ewes’ milk” (2019). *Emirates Journal of Food and Agriculture*, 31 (12), pp. 980-985.

- Perucho, L., Paoli, J.-C., Ligda, C., Moulin, C.-H., Hadjigeorgiou, I., Lauvie, A. “Diversity of breeding practices is linked to the use of collective tools for the genetic management of the Corsican sheep breed” (2020). *Italian Journal of Animal Science*, 19 (1), pp. 158-172.
- Kominakis, A., Tarsani, E., Hager-Theodorides, A.L., Mastranestasis, I., Hadjigeorgiou, I. Clustering patterns mirror the geographical distribution and genetic history of Lemnos and Lesvos sheep populations (2021). *PLoS ONE*, 16 (3 March), art. no. e0247787
- Pouloupoulou, I., Hadjigeorgiou, I. Evaluation of Terpenes’ Degradation Rates by Rumen Fluid of Adapted and Non-adapted Animals (2021). *Natural Products and Bioprospecting*, 11 (3), pp. 307-313.
- Decandia, M., Rassu, S.P.G., Psiroukis, V., Hadjigeorgiou, I., Fountas, S., Molle, G., Acciaro, M., Cabiddu, A., Marni, M., Dimauro, C., Giovanetti, V. Evaluation of proper sensor position for classification of sheep behaviour through accelerometers (2021). *Small Ruminant Research*, 201, art. no. 106445.
- Kominakis, A., Tarsani, E., Hager-Theodorides, A.L., Mastranestasis, I., Gkelia, D., Hadjigeorgiou, I. Genetic differentiation of mainland-island sheep of Greece: Implications for identifying candidate genes for long-term local adaptation (2021). *PLoS ONE*, 16 (9 September), art. no. e0257461.
- Perucho, L., Hadjigeorgiou, I., Lauvie, A., Moulin, C.H., Paoli, J.C., Ligda, C. Local breeds and pastoral farming on the North Mediterranean shore: a univocal coevolution? An example of dairy sheep farming systems in Corsica (France) and Thessaly (Greece) (2021). *Genetic Resources*, 2 (4), pp. 7-20.
- Psiroukis, V., Malounas, I., Mylonas, N., Grivakis, K.-E., Fountas, S., Hadjigeorgiou, I. Monitoring of free-range rabbits using aerial thermal imaging (2021). *Smart Agricultural Technology*, 1, art. no. 100002
- Kantzoura, V., Hadjigeorgiou, I., Goulas, C., Zabeli, G., Sotiraki, S., Zervas, G. Activities on pasture, intake, digestion, performance and endoparasitic infection of lambs raised at different stocking rates under low-input farming systems (2022). *Journal of the Hellenic Veterinary Medical Society*, 73 (2), pp. 4085-4096.
- Georgiadis, N.M., Dimitropoulos, G., Avaniidou, K., Bebeli, P., Bergmeier, E., Dervisoglou, S., Dimopoulos, T., Grigoropoulou, D., Hadjigeorgiou, I., Kairis, O., Kakalis, E., Kosmas, K., Meyer, S., Panitsa, M., Perdikis, D., Sfakianou, D., Tsiopelas, N., Kizos, T. Farming practices and biodiversity: Evidence from a Mediterranean semi-extensive system on the island of Lemnos (North Aegean, Greece) (2022). *Journal of Environmental Management*, 303, art. no. 114131.
- Pysillos, G., Hadjigeorgiou, I., Dimitrakopoulos, P.G., Kizos, T. Grazing Land Productivity, Floral Diversity, and Management in a Semi-Arid Mediterranean Landscape (2022). *Sustainability (Switzerland)*, 14 (8), art. no. 4623.
- Fortatos, E., Hadjigeorgiou, I., Fegeros, K., Papadomichelakis, G. The use of phytogenic silica as internal marker for the measurement of feed digestibility in rabbits (2022). *Animal Feed Science and Technology*, 292, art. no. 115440.
- Palamidi I., Paraskeuas V., Kotsampasi B., Hadjigeorgiou I., Politis I., Mountzouris K.C. Effect of Yogurt Acid Whey on the Quality of Maize Silage. (2023) *Fermentation*, 9 (12) : 994
- Fortatos S., Hadjigeorgiou I., Mountzouris K.C., Papadomichelakis G. (2023) Real-Time Monitoring of Fecal Nitrogen Excretion to the Environment Using Near-Infrared Reflectance Spectroscopy: A Preliminary Study in Rabbits *Environments*, 10 (12) : 210

IOANNIS E. HADJIGEORGIOU
Ex. PROFESSOR

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CURRICULUM VITAE

Academic Degrees

1980 BSc from Agricultural University of Athens, speciality in Zootechnia
1991 BSc in Paedagogical studies for Secondary Education through S.E.L.E.T.E.
1996 PhD degree from University of Aberdeen, United Kingdom.

Professional carrier

1981 to 1985 at an Animal Feed Factory as scientific adviser and production manager.

1985 to 1990 at the Hellenic Ministry of Agriculture, as agronomist and quality controller, at the Agricultural Directorate of Lesvos island.

1990 to 2000 at the Hellenic Ministry of Agriculture, as scientific adviser at the Department for Grasslands and Sown Swards and at the Feedstuffs Department of the Directorate of Animal Production Inputs.

2001 to 2009 Lecturer at the Laboratory of Nutrition Physiology and Feeding, of the A.U.A.'s Department of Animal Science with emphasis on "Grasslands and sown swards management".

2009 to 2018 Assistant professor at the Laboratory of Nutrition Physiology and Feeding, of the A.U.A.'s Department of Animal Science, with emphasis on "Grasslands and sown swards management"

2018 to 2022. Associate professor at the Laboratory of Nutrition Physiology and Feeding, of the A.U.A.'s Department of Animal Science, with emphasis on "Grasslands and sown swards management"

2022 to 2023 Professor (full) at the Laboratory of Nutrition Physiology and Feeding, of the A.U.A.'s Department of Animal Science, with emphasis on "Grasslands and sown swards management"

2023 to today retired Professor (full) associated with the Laboratory of Nutrition Physiology and Feeding, of the A.U.A.'s Department of Animal Science

Research interests

- 1 Current situation of mountainous, hill and lowland grasslands and application of management programs for their upgrading.
- 2 Opportunities to develop livestock farming on a variety of sown swards.
- 3 Livestock farming systems based on grazing.
- 4 Productive, financial and social issues of livestock farming on natural grasslands and in combination with arable crops.
- 5 Grazing behavior of herbivorous farmed animals (sheep, goats, bovines, equines) and in relation to spatio-temporal changes in grasslands vegetation and the physico-chemical characteristics.
- 6 Effects of livestock grazing on the quality characteristics of animal products.
- 7 Effects of grazing on environmental parameters of natural grasslands and of sown swards (erosion, pollution, eutrophication, biodiversity etc).

Participation in research projects

- Participated in thirty-five (35) National and International Projects, in ten (10) of which were coordinated by me.

Publication of Research work

- Forty-five (45) refereed publications on International Scientific Journals of the SCOPUS data base and fifty (50) full text documents in International Conferences' proceedings.

Teaching

α) Teaching to under- and post-graduate courses

- Subject for under-graduate courses "Management and upgrading grasslands".
- Subject for under-graduate courses "Farmed animals Nutrition".
- Subject for under-graduate courses "Feedstuff".
- Subject for under-graduate courses "Applied feeding of farmed animals".
- Subject for under-graduates "Livestock farming and the environment".
- Subject for post-graduate courses "Feeding animals on grasslands".
- Subject for post-graduate courses "Feeding for game animals".
- Subject for post-graduate courses "Feeding for dairy animals".
- Subject for post-graduate courses "Grazing animals and grasslands".

β) Supervision and participation to evaluation committee of more than eighty (80) under- and post-graduate theses, as well as (8) PhD theses.

Recent publications to refereed International Journals of the SCOPUS database

- Mattila, M., Hadjigeorgiou, I. “Conservation and management of fallow deer (*Dama dama dama* L.) on Lemnos Island, Greece” (2015). *Turkish Journal of Veterinary and Animal Sciences*, 39 (5), pp. 560-567.
- Ragkos, A., Abraham, E.M., Papadopoulou, A., Kyriazopoulos, A.P., Parissi, Z.M., Hadjigeorgiou, I. “Effects of European Union agricultural policies on the sustainability of grazingland use in a typical Greek rural area” (2017). *Land Use Policy*, 66, pp. 196-204.
- Danezis, G.P., Pappas, A.C., Zoidis, E., Papadomichelakis, G., Hadjigeorgiou, I., Zhang, P., Brusic, V., Georgiou, C.A. “Game meat authentication through rare earth elements fingerprinting” (2017). *Analytica Chimica Acta*, 991, pp. 46-57.
- Baxevanos, D., Tsialtas, I.T., Vlachostergios, D.N., Hadjigeorgiou, I., Dordas, C., Lithourgidis, A. “Cultivar competitiveness in pea-oat intercrops under Mediterranean conditions” (2017). *Field Crops Research*, 214, pp. 94-103.
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- Zoidis, E., Hadjigeorgiou, I. “Effects of drinking saline water on food and water intake, blood and urine electrolytes and biochemical and haematological parameters in goats: A preliminary study” (2018). *Animal Production Science*, 58 (10), pp. 1822-1828.
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- Perucho, L., Hadjigeorgiou, I., Lauvie, A., Moulin, C.-H., Paoli, J.-C., Ligda, C. “Challenges for local breed management in Mediterranean dairy sheep farming: insights from Central Greece” (2019). *Tropical Animal Health and Production*, 51 (2), pp. 329-338.
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- Pouloupoulou, I., Zoidis, E., Avramidou, S., Massouras, T., Hadjigeorgiou, I. “Effects of terpenes administration on fatty acid profile and coagulation properties of ewes’ milk” (2019). *Emirates Journal of Food and Agriculture*, 31 (12), pp. 980-985.
- Perucho, L., Paoli, J.-C., Ligda, C., Moulin, C.-H., Hadjigeorgiou, I., Lauvie, A. “Diversity of breeding practices is linked to the use of collective tools for the genetic management of the Corsican sheep breed” (2020). *Italian Journal of Animal Science*, 19 (1), pp. 158-172.

- Kominakis, A., Tarsani, E., Hager-Theodorides, A.L., Mastranestasis, I., Hadjigeorgiou, I. Clustering patterns mirror the geographical distribution and genetic history of Lemnos and Lesvos sheep populations (2021). *PLoS ONE*, 16 (3 March), art. no. e0247787
- Pouloupoulou, I., Hadjigeorgiou, I. Evaluation of Terpenes' Degradation Rates by Rumen Fluid of Adapted and Non-adapted Animals (2021). *Natural Products and Bioprospecting*, 11 (3), pp. 307-313.
- Decandia, M., Rassu, S.P.G., Psiroukis, V., Hadjigeorgiou, I., Fountas, S., Molle, G., Acciaro, M., Cabiddu, A., Mamei, M., Dimauro, C., Giovanetti, V. Evaluation of proper sensor position for classification of sheep behaviour through accelerometers (2021). *Small Ruminant Research*, 201, art. no. 106445.
- Kominakis, A., Tarsani, E., Hager-Theodorides, A.L., Mastranestasis, I., Gkelia, D., Hadjigeorgiou, I. Genetic differentiation of mainland-island sheep of Greece: Implications for identifying candidate genes for long-term local adaptation (2021). *PLoS ONE*, 16 (9 September), art. no. e0257461.
- Perucho, L., Hadjigeorgiou, I., Lauvie, A., Moulin, C.H., Paoli, J.C., Ligda, C. Local breeds and pastoral farming on the North Mediterranean shore: a univocal coevolution? An example of dairy sheep farming systems in Corsica (France) and Thessaly (Greece) (2021). *Genetic Resources*, 2 (4), pp. 7-20.
- Psiroukis, V., Malounas, I., Mylonas, N., Grivakis, K.-E., Fountas, S., Hadjigeorgiou, I. Monitoring of free-range rabbits using aerial thermal imaging (2021). *Smart Agricultural Technology*, 1, art. no. 100002
- Kantzoura, V., Hadjigeorgiou, I., Goulas, C., Zabeli, G., Sotiraki, S., Zervas, G. Activities on pasture, intake, digestion, performance and endoparasitic infection of lambs raised at different stocking rates under low-input farming systems (2022). *Journal of the Hellenic Veterinary Medical Society*, 73 (2), pp. 4085-4096.
- Georgiadis, N.M., Dimitropoulos, G., Avaniidou, K., Bebeli, P., Bergmeier, E., Dervisoglou, S., Dimopoulos, T., Grigoropoulou, D., Hadjigeorgiou, I., Kairis, O., Kakalis, E., Kosmas, K., Meyer, S., Panitsa, M., Perdakis, D., Sfakianou, D., Tsiopelas, N., Kizos, T. Farming practices and biodiversity: Evidence from a Mediterranean semi-extensive system on the island of Lemnos (North Aegean, Greece) (2022). *Journal of Environmental Management*, 303, art. no. 114131.
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