

ANDREAS TSIPOURLIANOS

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EXPERIENCE

7/10/2024- 28/2/2025

POSTDOCTORAL RESEARCHER

UNIVERSITY OF THESSALY

Project: DigiAgriFood – Digital Transformation and Green Transition of the Agri-Food Value Chain in Central and Northern Greece

Funding: Horizon Europe 2021-2027

- Supported stakeholder engagement and training on fish farming parameters and genetic marker analysis
- Contributed to dissemination activities, including reports and events.

20/10/2021 – 27/11/2023

RESEARCH ASSOCIATE

UNIVERSITY OF THESSALY

Project: Fish_Superfoods – Development of New Functional Fish Superfoods for More Efficient Aquaculture

Funding: Operational Programme Competitiveness, Entrepreneurship and Innovation 2014-2020 (EPAnEK)

- Conducted sampling and sample handling for gene expression studies (qPCR)
- Conducted statistical analysis and interpretation of the results
- Contributed to the dissemination of research findings through progress reports, and presenting at conferences

20/04/2021 – 31/12/2021

RESEARCH ASSOCIATE

UNIVERSITY OF THESSALY

Project: Development and application of novel methods for fish harvesting and processing for quality improvement and shelf-life extension” (2018–2021)

Funding: Greece and the European Union, European Maritime and Fisheries Fund in the context of the implementation of the Greek Operational Programme for Fisheries, Priority Axis “Innovation in Aquaculture”

- Conducted sampling of fish at various stages of capture and processing
- Contributed to whole genome resequencing and MassARRAY genotyping
- Data collection and analysis

1/11/2019 - 30/6/2021

RESEARCH ASSOCIATE

UNIVERSITY OF THESSALY

Project: SYNTHETIC BIOLOGY: FROM OMICS TECHNOLOGIES TO GENOMIC ENGINEERING (OMIC-ENGINE)

Funding: Operational Programme Competitiveness, Entrepreneurship and Innovation 2014-2020 (EPAnEK)

- Conducted phylogenetic analysis to identify gene family members in Mediterranean species
- Contributed as a research technician (qPCR)

20/05/2019 – 19/12/2019

RESEARCH ASSOCIATE

UNIVERSITY OF THESSALY

Project: Male Fertility: Genomics, Proteomics, and Diagnosis. From Bench to Patient (Fertilaid)

Funding: Operational Programme Competitiveness, Entrepreneurship and Innovation 2014-2020 (EPAnEK)

- Contributed in data analysis (RNAseq, whole genome resequencing)
- Supported the communication and dissemination of research findings to stakeholders and relevant audiences

22/01/2018 – 30/04/2021

RESEARCH ASSOCIATE

UNIVERSITY OF THESSALY

Project: PerformFISH: Integrating Innovative Approaches for Competitive and Sustainable Performance across the Mediterranean Aquaculture Value Chain

Funding: Horizon 2020

- Conducted sampling and sample handling for various research studies
- Performed whole genome resequencing, microsatellite analysis, and population structure studies to explore genetic diversity
- Performed RNA sequencing and qPCR for gene expression analysis
- Analyzed data and performed statistical analysis for results interpretation
- Contributed to the dissemination of research findings through scientific papers, reports, and presenting at conferences

08/03/2017 – 30/11/2017

RESEARCH ASSOCIATE

UNIVERSITY OF THESSALY

Project Title: Innovative Integrated Training in Healing Plants Business

Funding Program: ERASMUS+

- Developed training materials for an interactive online platform, providing resources and tools to support business practices in the healing plants industry
- Contributed to the creation of the Total Business Plants Online Encyclopedia for effective dissemination of project results

TEACHING EXPERIENCE

04/03/2025 – PRESENT

LECTURER

UNIVERSITY OF THESSALY

DEPARTMENT OF BIOCHEMISTRY AND BIOTECHNOLOGY

Course: Molecular Ecology - Population Genetics

07/10/2024 – 28/2/2025

LECTURER

UNIVERSITY OF THESSALY

DEPARTMENT OF BIOCHEMISTRY AND BIOTECHNOLOGY

Course: Genetics

26/02/2024 – 26/07/2024

LECTURER

UNIVERSITY OF THESSALY

DEPARTMENT OF BIOCHEMISTRY AND BIOTECHNOLOGY

Courses: Molecular Ecology - Population Genetics

20/04/2022 – 30/09/2022

TEACHING ASSISTANT

UNIVERSITY OF THESSALY

DEPARTMENT OF BIOCHEMISTRY AND BIOTECHNOLOGY

Courses: Signal Transduction – Cell Biology – Human Genetics

EDUCATION

13/05/2015 – 29/03/2024

PHD IN EVOLUTION AND GENETICS

UNIVERSITY OF THESSALY, DEPARTMENT OF BIOCHEMISTRY AND BIOTECHNOLOGY

LARISA, GREECE

Thesis title: "Molecular evolution of cellular energy production processes: comparative genomics and functional analysis"

DOI 10.12681/eadd/55752

25/10/2013 – 30/03/2015

**MSC DEGREE “APPLICATIONS OF MOLECULAR BIOLOGY - MOLECULAR GENETICS
- DIAGNOSTIC MARKERS”**

UNIVERSITY OF THESSALY, DEPARTMENT OF BIOCHEMISTRY AND BIOTECHNOLOGY

LARISA, GREECE

Thesis title: "Nuclear OXPHOS genes: what Next Generation Sequencing is telling us"

24/09/2004 – 04/11/2013

BACHELOR DEGREE IN BIOCHEMISTRY AND BIOTECHNOLOGY

UNIVERSITY OF THESSALY, DEPARTMENT OF BIOCHEMISTRY AND BIOTECHNOLOGY

LARISA, GREECE

Thesis title: "Comparative analysis of COXIII gene throughout the distribution range of European brown hare (*Lepus europaeus*)"

SPECIALIZED TRAINING AND WORKSHOPS

EMBO 2025 Satellite Workshop on Biodiversity Genomics, Heraclion, Crete (Total duration: 2 days)

Introductory Bioinformatic Course to Sequencing Data Processing (AQUAEXCEL2020). 2019, Stirling, Scotland (Total duration: 5 days)

Participation in Volos Summer School of Human Genetics 2017, organized by the Wellcome Trust Sanger Institute and University of Thessaly (Total duration: 3 days)

Participation in "RDA-Europe / BlueBRIDGE Datathon on Fisheries and Aquaculture, Heraclion, Crete, Greece 2017 – 3rd place Award (Total duration: 2 days)

Languages

Mother tongue: Greek

Other language: English (B2)

CORE SKILLS AND EXPERTISE

Sampling methodology:

- Experienced in the preparation and execution of sampling protocols
- Fish blood sampling
- Fish anatomy

Molecular Biology Techniques:

- Extraction of genomic and mitochondrial DNA
- RNA extraction and purification

- Electrophoresis techniques
- Extensive experience with Sanger sequencing, PCR and Real-Time PCR (qPCR).
- Analysis of Single-Strand Conformation Polymorphism (SSCP) and Restriction Fragment Length Polymorphism (RFLP)

Genomics and Bioinformatics Skills:

- Experience in high-throughput sequencing data analysis, including whole genome resequencing and variant calling
- Experience in transcriptome sequencing and differential expression analysis
- Experience in phylogenetic analysis tools to infer evolutionary relationships
- Familiar with using online biological databases for data retrieval, as well as software for molecular data processing and analysis
- Microsatellite marker analysis for population genetics studies
- Metabarcoding analysis for species identification and biodiversity studies

Programming and Data Analysis:

- Knowledge of R programming for statistical analysis, data visualization, and bioinformatics applications
- Knowledge in writing and using Bash scripts for efficient data processing and task automation

Soft Skills:

- Effective in conveying complex scientific concepts to both experts and non-experts
- Strong analytical skills to identify and resolve challenges in research
- Proven ability to work effectively in collaborative, multidisciplinary teams
- Experienced in leading and mentoring bachelor's and master's students in laboratory settings

PUBLICATIONS

Tsipourlianos, A., Cardoso, J., Angelakopoulos, R., Kotoula, A., Power, D., Mamuris, Z., & Moutou, K. (2025). Regulatory Subfunctionalization drives OXPHOS evolution in teleosts. bioRxiv. <https://doi.org/10.1101/2024.07.30.605748>. (Currently under review in Journal of Evolutionary Biology)

Angelakopoulos, R. [†], **Tsipourlianos, A.** [†] Alexia E. A., Mitrizakis N., Giannoulis T., Papandroulakis N., Moutou K. (2025) The effect of early temperature and live feeds on the development of white muscle in greater amberjack (*Seriola dumerili*). (Accepted July 2025. Fishes)

Angelakopoulos, R., **Tsipourlianos, A.**, Fytsili, A. E., Papaharisis, L., Dimitroglou, A., Barkas, D., Mamuris, Z., Giannoulis, T., & Moutou, K. A. (2025). Red Blood Cell Transcriptome Reflects Physiological Responses to Alternative Nutrient Sources in Gilthead Seabream (*Sparus aurata*). *Animals*, 15(9), 1279. <https://doi.org/10.3390/ani15091279>

Angelakopoulos, R., **Tsipourlianos, A.**, Fytsili, A. E., & Moutou, K. A. (2025). Establishing the physiological values of minimally invasive biomarkers in gilthead sea bream (*Sparus aurata*). *Fishes*, 10(2), 52. <https://doi:10.3390/fishes10020052>

Angelakopoulos, R., **Tsipourlianos, A.**, Moutou, K. A., Fytsili, A. E., Tsingene, A., Galliopoulou, E., Dimitroglou, A. (2025). Selection of nonlethal early biomarkers to predict gilthead seabream (*Sparus aurata*) growth. *Aquaculture Nutrition*, 2025, 9918595. <https://doi:10.1155/anu/9918595>

Angelakopoulos, R., **Tsipourlianos, A.**, Fytsili, A. E., Giannoulis, T., & Moutou, K. A. (2024). Impact of Harvest Method on Development of European Sea Bass Skin Microbiome during Chilled Storage. In *Aquaculture Journal* (Vol. 4, Issue 4, pp. 270–282). MDPI AG. <https://doi.org/10.3390/aquacj4040020>

Najafpour, B., Santos, S., Manchado, M., Vidal, A., **Tsipourlianos, A.**, Canário, A. V. M., Moutou, K. A., & Power, D. M. (2024). Insights into core molecular changes associated with metamorphosis in gilthead seabream larvae across diverse hatcheries. In *Aquaculture* (Vol. 590, p. 740979). Elsevier BV. <https://doi.org/10.1016/j.aquaculture.2024.740979>

Kourkouta, C., **Tsipourlianos, A.**, Papandroulakis, N., Moutou, K. A., & Koumoundouros, G. (2024). Ray-Resorption Syndrome in European Seabass, *Dicentrarchus labrax* (Linnaeus, 1758). In *Journal of Fish Diseases*. Wiley. <https://doi.org/10.1111/jfd.14042>

Avramouli, M., Savvas, I. K., Vasilaki, A., **Tsipourlianos, A.**, & Garani, G. (2024). Hybrid Quantum Neural Network Approaches to Protein–Ligand Binding Affinity Prediction. *Mathematics*, 12(15), 2372. <https://doi.org/10.3390/math12152372>

Angelakopoulos, R., **Tsipourlianos, A.**, Giannoulis, T., Mamuris, Z., & Moutou, K. A. (2024). MassArray Genotyping as a Selection Tool for Extending the Shelf-Life of Fresh Gilthead Sea Bream and European Seabass. In *Animals* (Vol. 14, Issue 2, p. 205). MDPI AG. <https://doi.org/10.3390/ani14020205>

Kourkouta, C., **Tsipourlianos, A.**, Power, D. M., Moutou, K. A., & Koumoundouros, G. (2022). Variability of key-performance-indicators in commercial gilthead seabream hatcheries. In *Scientific Reports* (Vol. 12, Issue 1). Springer Science and Business Media LLC. <https://doi.org/10.1038/s41598-022-23008-z>

Kalemkeridou, M., Nanas, I., Moutou, K., Amiridis, G. S., **Tsipourlianos, A.**, Dovolou, E., Mamuris, Z., & Giannoulis, T. (2022). Genetic diversity and thermotolerance in Holstein cows: Pathway analysis and marker development using whole-genome sequencing. In *Reproduction in Domestic Animals* (Vol. 58, Issue 1, pp. 146–157). Wiley. <https://doi.org/10.1111/rda.14274>

Giannoulis Th., Plageras D., Stamatis C., Chatzivagia E., **Tsipourlianos A.**, Birtsas P., Billinis C., Suchentrunk F., Mamuris Z.. Islands and hybrid zones: Combining the knowledge from “Natural Laboratories” to explain phylogeographic patterns of the European brown hare. *BMC Evolutionary Biology* 2019 19:17, <https://doi.org/10.1186/s12862-019-1354-y>

Giannoulis T., Stamatou C., **Tsipourlianos A.**, Mamuris Z. : Mitogenomic analysis in European brown hare (*Lepus europaeus*) proposes genetic and functional differentiation between the distinct lineages. *Mitochondrial DNA A DNA Mapp Seq Anal.* 2017 Jan 27:1-8. doi: 10.1080/24701394.2016.1278540.

Amoutzias G., Giannoulis Th., Moutou K.A., Psarra A.M.G., Stamatou C., **Tsipourlianos A.**, Mamuris Z.: SNP identification through transcriptome analysis of the European brown hare (*Lepus europaeus*): cellular energetics and mother's curse . *PLoS ONE* 11(7): e0159939. doi:10.1371/journal.pone.0159939

CONFERENCES

Angelakopoulos R., **Tsipourlianos A.**, Fitsili A., Papacharis L., Dimitroglou A., Moutou K. (2025). Effect of electrical stunning on post-harvest fillet quality in the main species of Mediterranean aquaculture. 1st Hellenic Scientific Conference on Aquaculture (ΕΛ.Ε.ΣΥ). 16-18 May 2025 p. 243-244.

Angelakopoulos R., **Tsipourlianos A.**, Fitsili A., Moutou K. (2025). Establishing the Physiological Values of Minimally Invasive Biomarkers in Gilthead Sea Bream (*Sparus aurata*). 1st Hellenic Scientific Conference on Aquaculture (ΕΛ.Ε.ΣΥ). 16-18 May 2025 p. 243-244.

A. Tsipourlianos, C. Kourkouta, A. Fitsili, L. Tzioga, S. Santos, B. Najafpour, D.M. Power, G. Koumoundouros, and K.A. Moutou. ESTABLISHING A MOLECULAR TOOL FOR EVALUATING LARVAL QUALITY IN THE COMMERCIAL PRODUCTION OF GILTHEAD SEABREAM AND EUROPEAN SEABASS. 8th Fish & Shellfish Larviculture Symposium, larvi 2024, September 9-12, 2024 Ostend, Belgium. (Oral presentation - Invited speaker)

Kourkouta Ch., **Tsipourlianos A.**, Papandroulakis N., Moutou K.A., Koumoundouros G.. Ray-resorption syndrome in *Dicentrarchus labrax*. 8th Fish & Shellfish Larviculture Symposium, larvi 2024, September 9-12, 2024 Ostend, Belgium. (Poster)

R. Angelakopoulos, **A. Tsipourlianos**, T. Giannoulis, Z. Mamuris. and K.A. Moutou. A MASSARRAY TOOL FOR SELECTING BROODSTOCK IN MEDITERRANEAN FISH FOR PROLONGED FRESHNESS AND EXTENDED SHELF LIFE. 8th Fish & Shellfish Larviculture Symposium, larvi 2024, September 9-12, 2024 Ostend, Belgium. (Poster)

Tsipourlianos, A., Angelakopoulos, R., Kotoula, A., Mamuris, Z. and Moutou, K.A. EVOLUTIONARY DYNAMICS OF PARALOGOUS GENES IN OXIDATIVE PHOSPHORYLATION AND ONTOGENETIC REGULATION IN GILTHEAD SEABREAM (*Sparus aurata*). 7th International Symposium on Genomics in Aquaculture, GIA 2024, Thessaloniki, Greece. (Poster)

Angelakopoulos R., **Tsipourlianos A.**, Giannoulis T., Mamuris Z. and Moutou K.A. DIVERGENT EVOLUTIONARY PATHS AND ONTOGENIC REGULATION OF PROTEASES IN THE GENOME OF EUROPEAN SEA BASS (*Dicentrarchus labrax*). 7th International Symposium on Genomics in Aquaculture, GIA 2024, Thessaloniki, Greece. (Poster)

Rafael Angelakopoulos, **Andreas Tsipourlianos**, Alexia Fytsili, Themistoklis Giannoulis, Katerina A. Moutou. Species-specific skin microbiome in gilthead seabream and European seabass is strongly influenced by the rearing location. Mikrobiokosmos 2023. (Poster)

Tsipourlianos A., Fytsili A., Tsingene A., Angelakopoulos R., Fountoulaki E., Zarafeta D., Skretas G., Moutou K.A. Assessing the impact of plant bioactive compounds on the growth of seabream and seabass juveniles. Aquaculture Europe 2023, “Balanced Diversity in Aquaculture Development”, EAS Conference. September 18-21, 2023, Vienna, Austria. pp. 1495-1496. (Poster)

Tsipourlianos A., Fytsili A., Tsingene A., Angelakopoulos R., Fountoulaki E., Zarafeta D., Skretas G., Moutou K.A. The effect of digested oligosaccharides as food additive on the growth of seabream and seabass juveniles. Aquaculture Europe 2023, “Balanced Diversity in Aquaculture Development”, EAS Conference. September 18-21, 2023, Vienna, Austria. pp. 1497-1498. (Poster)

Fytsili A., Tsingene A., Cotou E., **Tsipourlianos A.**, Angelakopoulos R., Giannoulis T., Politakis N., Despotidi A., Moutou K.A. Unraveling the impact of plant-based sustainable fishfeeds on white muscle development in gilthead seabream: a comparative study. Aquaculture Europe 2023, “Balanced Diversity in Aquaculture Development”, EAS Conference. September 18-21, 2023, Vienna, Austria. pp. 473-474. (Poster)

E. Cotou, N. Politakis, A. Despotidi, P. Tsoukali, **A. Tsipourlianos**, K.A. Moutou, E. Fountoulaki, I. Papadakis, S. Chatzifotis. INFLUENCE OF GENISTEIN & GENISTIN CONTENT FOUND IN SOYBEAN MEAL AND SOY PROTEIN CONCENTRATE ON GROWTH PERFORMANCE AND ANTIOXIDANT & LIPOGENIC BIOMARKERS IN GILTHEAD SEABREAM SPARUS AURATA. EAS Conference. September 18-21, 2023, Vienna, Austria. (Poster)

Moutou K.A., Fytsili A., **Tsipourlianos A.**, Angelakopoulos R., Giannoulis T., Mamuris Z. Developmental temperature affects the ontogeny of the circadian rhythm in gilthead sea bream (*Sparus aurata*). SEB centenary conference 2023. 4-7 JULY 2023, Edinburgh, UK. pp.73-74. (Poster)

Moutou K.A., Kotoula A., **Tsipourlianos A.**, Angelakopoulos R., Fytsili A., Mamuris Z. The effect of early temperature exposure on mitochondrial bioenergetics after whole genome duplication. SEB centenary conference 2023. 4-7 JULY 2023, EDINBURGH, UK. pp.80-81. (Poster)

Moutou K.A., Angelakopoulos R., Fytsili A., **Tsipourlianos A.**, Giannoulis T. Establishing the physiological values of noninvasive biomarkers in teleosts. SEB centenary conference 2023. 4-7 JULY 2023, EDINBURGH, UK. pp.130. (Poster)

Kotoula A., **Tsipourlianos A.**, Angelakopoulos R., Fytsili A., Giannoulis T., Mamuris Z., Moutou K.A. Exploring evolutionary dynamics of paralogous genes of the fifth complex of oxidative phosphorylation (ATP synthase) in Gilthead Seabream (*Sparus aurata*). 42nd Scientific Conference of Hellenic Association for Biological Sciences. May 18-20 2023, Thessaloniki, Greece. pp. 140-141. (Poster)

Fitsili A., **Tsipourlianos A.**, Angelakopoulos R., Giannoulis T., Moutou K.A. Temperature and developmental effects on circadian genes in European Seabass and Gilthead Seabream. 42nd Scientific Conference of Hellenic Association for Biological Sciences. May 18-20 2023, Thessaloniki, Greece. pp. 292-293. (Poster)

Fytsili A., Tsiggene A., **Tsipourlianos A.**, Angelakopoulos R., Giannoulis T., Cotou E., Moutou K.A. Gene markers reveal the effect of plant-based sustainable fishfeeds on muscle development mechanisms in Gilthead Seabream (*Sparus aurata*). World Aquaculture, "Supporting Strength in Aquaculture". May 29-June 1, 2023, Darwin, Australia. pp. 195. (Poster)

Moutou K.A., **Tsipourlianos A.**, Foundoulaki E., Stamatis H., Zarafeta D., Krikoni S., Sotiroudis T.G., Skretas G. Combining in vitro and in vivo methods to exploit circularity in fish farming. World Aquaculture, "Supporting Strength in Aquaculture". May 29-June 1, 2023, Darwin, Australia. pp. 194. (Poster)

Moutou K.A., **Tsipourlianos A.**, Angelakopoulos R., Fitsili A., Mitrizakis N., Papandroulakis N. Rearing temperature and live feeds influence the development of white muscle in greater amberjack. Aquaculture America 2023 "Food for the future", February 23-26, 2023, New Orleans, Louisiana, USA. pp.385-386. (Poster)

Kotoula A., **Tsipourlianos A.**, Power D., M., Mamuris Z., Moutou K., A. Predicting the evolutionary trajectories of paralogs of the complex V of oxidative phosphorylation in *Dicentrarchus labrax*. Aquaculture Europe 2022, "Innovative Solutions in a Changing World", EAS Conference. September 27-30, 2022, Rimini, Italy. pp. 679-680. (Poster)

Angelakopoulos R., **Tsipourlianos A.**, Fitsili A., Giannoulis T., Mamuris Z., Moutou K., A. Massarray genotyping as a selection tool for extending shelf-life of gilthead seabream and European seabass. Aquaculture Europe 2022, "Innovative Solutions in a Changing World", EAS Conference. September 27-30, 2022, Rimini, Italy. pp. 897-898. (Poster)

Tsipourlianos A., Angelakopoulos R., Fitsili A., Mitrizakis N., Papandroulakis N., Moutou K., A. The influence of rearing temperatures and live feeds on white muscle development in greater amberjack. Aquaculture Europe 2022, "Innovative Solutions in a Changing World", EAS Conference. September 27-30, 2022, Rimini, Italy. pp. 899-900. (Poster)

Tsipourlianos A., Kourkouta Ch., Fytsili A., Tzioga L., Santos S., Najafpour B., Power D., M., Koumoundouros G., Moutou K., A. Development of a molecular index of larval quality for use in commercial production of gilthead seabream and European seabass. Aquaculture Europe 2022, "Innovative Solutions in a Changing World", EAS Conference. September 27-30, 2022, Rimini, Italy. pp. 1324-1325. (Oral presentation)

Tsipourlianos A., Angelakopoulos R., Mitrizakis N., Papandroulakis N., Power D., M., Mamuris Z., Moutou K., A. Effects of early temperature on the regulation of OXPHOS complex I in the ontogeny of gilthead seabream (*Sparus aurata*). Aquaculture Europe 2022, “Innovative Solutions in a Changing World”, EAS Conference. September 27-30, 2022, Rimini, Italy. pp. 1326-1327. (Poster)

Angelakopoulos R., **Tsipourlianos A.**, Giannoulis T., Moutou K., A. Harvest method impacts the development of European seabass skin microbiome at storage. Aquaculture Europe 2022, “Innovative Solutions in a Changing World”, EAS Conference. September 27-30, 2022, Rimini, Italy. pp. 1328-1329. (Poster)

Fytsili A., **Tsipourlianos A.**, Giannoulis T., Mitrizakis N., Papandroulakis N., Mamuris Z., Moutou K., A. Transcriptome analysis of opsin genes - delineation of their ontogenetic profile during early developmental stages in gilthead seabream (*Sparus aurata* L.). Aquaculture Europe 2022, “Innovative Solutions in a Changing World”, EAS Conference. September 27-30, 2022, Rimini, Italy. pp. 1330-1331. (Poster)

Ch. Kourkouta, **A. Tsipourlianos**, D.M. Power, Z. Mamuris, K.A. Moutou, G. Koumoundouros. VARIABILITY OF KEY PERFORMANCE INDICATORS IN COMMERCIAL GILTHEAD SEA BREAM HATCHERIES Aquaculture Europe Funchal, Madeira, 2021. (Poster)

Andreas Tsipourlianos, Lamprini Tzioga , Chara Kourkouta , Giorgos Koumoundouros , Nikos Papandroulakis, Deborah M. Power, Zissis Mamuris, Katerina A. Moutou. EFFECTS OF EARLY TEMPERATURE EXPOSURE ON MITOCHONDRIAL BIOENERGETICS OF EXERCISED METAMORPHOSING LARVAE OF GILTHEAD SEABREAM (*Sparus aurata*). Aquaculture Europe Funchal, Madeira, 2021. (Poster)

Andreas Tsipourlianos, Alexia Fytsili, Joao C. Cardoso, Zissis Mamuris, Deborah M. Power, Katerina A. Moutou. THE ONTOGENETIC PATTERNS OF OXPHOS GENE EXPRESSION IN EUROPEAN SEA BASS (*Dicentrarchus labrax*). Aquaculture Europe 2020, Online, 2021. (Poster)

A. Tsipourlianos, E. Galliopoulou, S. Sklaveniti, L. Papaharisis, K.A. Moutou: Comparative study of the effect of different capture methods on the activity of proteolytic enzymes in *Pagrus major* fillet. 17th Panhellenic Conference of Ichthyologists 31 October - 3 November 2019, Heraklion Crete. (Oral presentation)

A. Tsipourlianos, T. Gianoulis, D.M. Power, Z. Mamuris, K.A. Moutou : Microsatellite analysis of *Dicentrarchus labrax* and *Sparus aurata* populations of Mediterranean fish farms. 17th Panhellenic Conference of Ichthyologists 31 October – 3 November 2019, Heraklion Crete. (Oral presentation)

Katerina Moutou, **Andreas Tsipourlianos**, Themistoklis Giannoulis, Deborah M. Power, Zissis Mamuris MICROSATELLITE ANALYSIS OF *Dicentrarchus labrax* AND *Sparus aurata* POPULATIONS OF MEDITERRANEAN FISH FARMS. European Aquaculture Society 2019, October 7-10 2019, Berlin Germany. (Poster)

Gousdovas Th., **Tsipourlianos A.**, Georgiadis L., Giannoulis Th., Moutou K., Mamuris Z.: New *Austropotamobius torrentium* haplotypes revealed with molecular identification and phylogenetic analysis in Western Macedonia, Greece. HELLENIC SOCIETY FOR BIOLOGICAL SCIENCES, 40th ANNUAL CONFERENCE, May 24-26, 2018, VERIA, GREECE. (Poster)

Gousdovas Th., **Tsipourlianos A.**, Georgiadis L., Giannoulis Th., Moutou K., Mamuris Z.: New *Austropotamobius torrentium* haplotypes revealed with molecular identification and phylogenetic analysis in Western Macedonia, Greece. 13th EWDA Conference 27 – 31 AUGUST 2018 LARISSA, THESSALY, GREECE. (Poster)

Giannoulis Th., Amoutzias G., **Tsipourlianos A.**, Stamatis C., Moutou A.K., Mamuris Z. Mitochondrial bioenergetics and speciation: "The mother's curse" effect in the species of brown hare. 7 Meeting of the Archaeozoology, Genetics & Morphometrics Working Group, Liverpool, UK (2017). (Poster)

Tsipourlianos A., Giannoulis Th., Stamatis C., Moutou A.K., Mamuris Z. "Functional and evolutionary analysis of complex I (NADH Q OXIDOREDUCTASE) in species *Lepus europaeus*", 37th conference of the Greek Biological Society, Volos, (2015). (Oral presentation)

Giannoulis Th., Amoutzias G., **Tsipourlianos A.**, Stamatis C., Moutou A.K., Mamuris Z. : Mother's curse and an ongoing Speciation? The paradigm of *Lepus europaeus*, 13 ICZEGAR, Irakleio, Crete, Greece (2015) Giannoulis Th., Stamatis C., Amoutzias G., Tsipourlianos A., Mamuris Z.: The contribution of mitochondrial DNA in evolutionary processes – The paradigm of *Lepus europaeus*, 9 annual conference, PEV, Athens, Greece (2014). (Poster)