

**CURRICULUM VITAE**  
**ANASTASIA IMSIRIDOU**



**THESSALONIKI 2026**



## 1. PERSONAL DATA

First name: Anastasia  
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Date of birth: 29<sup>th</sup> January 1969  
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Address: International Hellenic University, Department of Food Science and Technology, P.O. BOX 141, 57400 Thessaloniki, Greece  
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## 2. STUDIES

- Diploma of the School of Sciences, of the Department of Biology, of the Aristotle University of Thessaloniki. Degree: “Very good” 7,89 (1991).
- Dissertation - as a student - in the Department of Botany, of the School of Biology with title: “*Microscopic study of the microbodies in different types of glands which product volatile oil*”. Degree: “Excellent” 10 (1990).
- Doctorate thesis (Ph.D.) in the Sector of Genetics, Development and Molecular Biology, of the Department of Biology, of the Aristotle University of Thessaloniki with title “*Study of the genetic structure of Greek Leuciscus cephalus (L.) populations*” Degree: “Excellent” (1998).

## 3. PUBLICATIONS

### A. Papers published in referred journals

- 1) **Imsiridou A.**, Karakousis Y. and Triantaphyllidis C. (1997). Genetic polymorphism and differentiation among chub, *Leuciscus cephalus* L. (Pisces, Cyprinidae) populations of Greece. *Biochemical Systematics and Ecology* 25: 537-546.
- 2) **Imsiridou A.**, Apostolidis A., Durand J. D., Briolay J., Bouvet Y. and Triantaphyllidis C. (1998). Genetic differentiation and phylogenetic relationships among Greek chub *Leuciscus cephalus* L. (Pisces, Cyprinidae) populations as revealed by RFLP analysis of mitochondrial DNA. *Biochemical Systematics and Ecology* 26: 415-429.
- 3) Durand J. D., Templeton A. R., Guinand B., **Imsiridou A.** and Bouvet Y. (1999). Nested clade and phylogeographic analyses of the chub, *Leuciscus*

- cephalus* (Teleostei, Cyprinidae) in Greece: implications for Balkan peninsula biogeography. *Molecular Phylogenetics and Evolution* 13(3): 566-580.
- 4) **Imsiridou A.** and Triantaphyllidis C. (2001). Allozyme electrophoresis studies in European hake *Merluccius merluccius* L. (Gadidae) populations. *Biologia, Bratislava* 56: 545-547.
  - 5) **Imsiridou A.**, Hardy H., Maudling N., Amoutzias G. and Zaldívar Comenges J.-M. (2003). Web database of molecular genetic data from fish stocks. *Journal of Heredity* 94(3): 265-267.
  - 6) Amoutzias G. D., Pichler E. E., Mian N., Graaf D. D., **Imsiridou A.**, Robinson-Rechavi M., Bornberg-Bauer E., Robertson D. L. and Oliver S. G. (2007). A protein interaction atlas for the nuclear receptors: Properties and quality of a hub-based dimerisation network. *BMC Systems Biology* 1: 34.
  - 7) **Imsiridou A.**, Minos G., Katsares V., Karaïskou N. and Tsiora A. (2007). Genetic identification and phylogenetic inferences in different Mugilidae species using 5S rDNA markers. *Aquaculture Research* 38: 1370-1379.
  - 8) Katsares V., Tsiora A., Galinou-Mitsoudi S. and **Imsiridou A.** (2008). Genetic structure of the endangered species *Pinna nobilis* Linnaeus, 1758 (Mollusca: Bivalvia) inferred from mtDNA sequences. *Biologia* 63(3): 412-417.
  - 9) **Imsiridou A.**, Triantafyllidis A., Baxevanis A. and Triantaphyllidis C. (2009). Genetic characterization of common carp (*Cyprinus carpio* L.) populations from Greece using mitochondrial DNA sequences. *Biologia* 64(4): 781-785.
  - 10) **Imsiridou A.**, Minos G., Gakopoulou A., Katsares V., Karidas T. and Katselis G. (2011). Discrimination of two picarel species *Spicara flexuosa* and *Spicara maena* (Pisces: Centranchidae) based on mitochondrial DNA sequences. *Journal of Fish Biology* 78: 373-377.
  - 11) Minos G., **Imsiridou A.** and Economidis P. S. (2012). First record of *Terapon theraps* (Terapontidae) in the Aegean Sea (Greece). *Cybiurn* 36(2): 401-402.
  - 12) Mankiewicz-Boczek J., **Imsiridou A.**, Kaczowski Z., Tsiora A., Karaïskou N., Łapińska M., Minos G. and Zalewski M. (2013). Genetic diversity of perch populations in three lowland reservoirs (Central Poland): Perspective for fish sustainable management. *Polish Journal of Ecology* 61(2): 385-390.
  - 13) Minos G., **Imsiridou A.** and Katselis G. (2013). Use of morphological differences for the identification of two picarel species *Spicara flexuosa* and *Spicara maena* (Pisces: Centranchidae). *Mediterranean Marine Science* SI 14/3: 26-31.
  - 14) Minos G. and **Imsiridou A.** (2015). On the presence of agujon needlefish *Tylosurus acus imperialis* (Rafinesque, 1810) in the North Aegean Sea (EasternMediterranean). In: Zenetos A., Akel E. H. KH., Apostolidis C., Bilecenoglu M., Bitar G., Buchet V., Chalari N., Corsini-Foka M., Crocetta F., Dogrammatzi A., Drakulić M., Fanelli G., Ggiglio G., Imsiridou A., Kapisiris K., Karachle P. K., Kavadas S., Kondylatos G., Lefkaditou E., Lipej L., Mavrič B., Minos G., Moussa R., Pancucci-Papadopoulou M. A., Prato E., Renda W., Ríos N., Rizkalla S. I., Russo F., Servonnat M., Siapatis A., Sperone E., Theodorou J. A., Tiralongo F. and Tzovenis I. (2015). New mediterranean biodiversity records (April 2015). *Mediterranean Marine Science, Collective Article A*, 16(1): 266-284.
  - 15) Corse E., Tarkan A. S., Emiroglu Ö., **Imsiridou A.**, Minos G., Lorenzoni M., Vilizzi L. and Aboim M. A. (2015). Covariation of trophic and habitat-related

- traits in chondrostoms (Cyprinidae): implications for repeated and diversifying evolutionary processes. *Journal of Zoology* 295: 294-305.
- 16) Minos G., Kokokiris L., **Imsiridou A.**, Karachle P. K. and Kapis K. (2015). Notes on the distribution and biology of northern brown shrimp *Farfantepenaeus aztecus* (Ives, 1891) in the eastern Mediterranean. *Turkish Journal of Zoology* 39: 467-463.
  - 17) **Imsiridou A.**, Minos G., Kokokiris L., Alexandrou M., Kyriakidou M. and Karidas T. (2016). Genetic and phenotypic identification of *Tylosurus acus imperialis* in Thermaikos Gulf, North Aegean Sea. *Cahiers de Biologie Marine* 57: 9-15.
  - 18) Naderi L., Shabani A. and **Imsiridou A.** (2017). Genetic diversity of sharpnose mullet *Liza saliens* introduced in southern Caspian Sea in comparison with one native Aegean Sea population. *Journal of Ichthyology* 57(2): 297-305.
  - 19) Pazartzi T., Siaperopoulou S., Gubili C., Maradidou S., Loukovitis D., Chatzisprou A., Griffiths A. M., Minos G. and **Imsiridou A.** (2019). High levels of mislabeling in shark meat - Investigating patterns of species utilization with DNA barcoding in Greek retailers. *Food Control* 98: 179-186.
  - 20) **Imsiridou A.**, Papapetrou M., Tilikidis A., Minos G., Loukovitis D., Gouva E., Chatzopoulos A., Skoufos I. and Paschos I. (2019). Can the population structure of three Greek marine species (*Sardina pilchardus*, *Penaeus kerathurus*, *Mullus barbatus*) become a tool for their future characterization as PGI products? *Journal of Nutrition, Food and Lipid Science* 2019(1): 54-83.
  - 21) Galinou-Mitsoudi S., **Imsiridou A.**, Koutra A., Samaras D. and Samara E. (2019). Ecology, life cycle and genetic approach of *Spondylus gaederopus* Linnaeus, 1758 (Bivalvia). *Journal of Environmental Protection and Ecology*, 20(2): 713-722.
  - 22) Giagkazoglou Z., Griffiths A. M., **Imsiridou A.**, Chatzisprou A., Touloumis K., Hebb J. L., Mylona D., Malamidou A. K., Apostolidi E. D., Batjakas I. E., Gubili G. (2022). Flying under the radar: DNA barcoding ray wings in Greece detects protected species and umbrella labelling terms. *Food Control* 132(2022) 108517.
  - 23) **Imsiridou A.**, Karnezi S., Minos G., Exadactylos A. (2021). Comparison of European sardine (*Sardina pilchardus*, Walbaum 1792) Greek haplotypes with those found in the global distribution of the species. *Applied Ecology and Environmental Research* 19(5): 4025-4035.
  - 24) Schoinas K., Konstantou V., Bompou E., Floros G., Chatziplis D., **Imsiridou A.**, Loukovitis D. (2023). Microbiome profile of the Mediterranean mussel (*Mytilus galloprovincialis*) from Northern Aegean Sea (Greece) culture areas, based on a 16S rRNA Next Generation Sequencing approach. *Diversity* 2023, 15, 463.
  - 25) Giagkazoglou Z., Loukovitis D., Gubili C., Chatziplis D., Symeonidis A., **Imsiridou A.** (2024). Untangling the cephalopod market: authentication of seafood products in Greece with DNA-barcoding. *Food Control* 163 (2024) 110523
  - 26) Giagkazoglou Z., Loukovitis D., Gubili C., Chatziplis D., Tzikas Z., **Imsiridou A.** (2026). Cracking the shell: Investigating crustaceans in the Greek market using DNA barcoding. *European Food Research and Technology*, printed.

- 27) Bompou E., Keramida A., Kostoglou A., Leonidou K., Karampidou I., Rhoades J., Likotrafiti E., Giantsis I., **Imsiridou A.**, Loukovitis D. (2026). Seasonal comparison of bacterial communities in farmed mussels (*Mytilus galloprovincialis*), other benthic bivalves and surrounding coastal and offshore seawater from aquaculture zones in Greece. *Food Microbiology*, submitted
- 28) Mouchlianitis F.A., Minos G., Minos C., Tziourtzioumis D., **Imsiridou A.** (2026). Fish community structure in a hydrologically fluctuating reservoir: A case study from the Peneios dam, Greece. *Fishes*, submitted.

## **B. Chapters in books**

- 1) Gollman G., Bouvet Y., Brito R. M., Coelho M. M., Collares-Pereira M. J., Imsiridou A., Karakousis Y., Pattee E. and Triantaphyllidis C. (1998). Effects of river engineering on genetic structure of European fish populations. In: *Fish Migration and Fish Bypasses*. Jungwirth M., Schmutz S. and Weiss S. (eds.), pp. 113-123. Fishing News Books Oxford.
- 2) Minos G., Imsiridou A. and Economidis P. S. (2010). *Liza haematocheilus* (Pisces, Mugilidae) in the northern Aegean Sea. In: *Fish Invasions of the Mediterranean Sea: Change and Renewal*. Golani D. and Appelbaum-Golani B. (eds.), pp. 313-332. Pensoft Publishers, Sofia - Moscow.
- 3) Imsiridou A., Karaïskou N., Aggelidou E., Katsares V. and Galinou-Mitsoudi S. (2012). Mitochondrial DNA variation as a tool for systematic status clarification of commercial species. The case of two high commercial *Flexopecten* forms in the Aegean Sea. In: *Aquaculture*. Muchlisin Z. (ed.), pp. 109-126. Intech Open Access Publisher, Croatia.
- 4) Eleni Athanassiou, Anastasia Imsiridou, Despina A. Tata (2021). Smith-Magenis syndrome. In: *Neuropsychology of genetic syndromes*. Malegiannaki A.X., Kosmidou M. (eds.), pp 585-606. Gutenberg Publications, Thessaloniki, Greece.

## **C. Technical notes, Reports**

- 1) Imsiridou A. and Zaldivar J. M. (1998). Genetic differentiation between fish species and stocks using genetic techniques: A literature review. *Technical Note No I.98.198*. European Commission, Joint Research Center, August 1998.
- 2) Zaldivar J. M., Imsiridou A., Part P. and Clerici L. A. (1998). Feasibility study for the exploitation of molecular genetic data for the identification of fish origin in form of a databank accessible through the Internet. European Commission, Joint Research Center, Institute for Systems, Informatics and Safety & Environment Institute, October 1998.
- 3) Imsiridou A. and Zaldivar J. M. (1999). Methodology and formats for genetic identification of fish species. *Technical Note No I.99.16*. European Commission, Joint Research Center, February 1999.
- 4) Imsiridou A. and Triantaphyllidis C. (1999). Developing and applying molecular techniques to differentiate between the Atlantic and Mediterranean hake (*Merluccius merluccius*) as a case of study. *Technical Note No I.99.102*. European Commission, Joint Research Center, June 1999.
- 5) Hardy H., Imsiridou A. and Zaldivar J. M. (1999). Analyzing and developing a database application for the identification of fish origin using molecular

- genetic data. *Technical Note No I.99.149*. European Commission, Joint Research Center, September 1999.
- 6) Hardy H., Imsiridou A. and Zaldivar J. M. (1999). Analyzing and developing a database application for the identification of fish origin using molecular genetic data: WEB SITE. *Technical Note No I.99.182*. European Commission, Joint Research Center, November 1999.
  - 7) Hardy H., Imsiridou A. and Zaldivar J. M. (2000). Analyzing and developing a database application for the identification of fish origin using molecular genetic data: ONLINE INTRODUCTION. *Technical Note No I.00.09* European Commission, Joint Research Center, January 2000.
  - 8) Zaldivar J. M, Hardy H. and Imsiridou A. Feasibility study for the exploitation of molecular genetic data for the identification of fish origin in form of a databank accessible through the Internet. *Final Report Contract AA 14705-1998-12-A1CA* ISP BE.
  - 9) Imsiridou A., Minos G., Katsares V. and Tsiora A. (2007). Genetic identification of different fry Mugilidae species with nuclear markers. Final Report, Alexander Technological Institute of Thessaloniki, Thessaloniki 2007.
  - 10) Imsiridou A., Galinou-Mitsoudi S. and Katsares V. (2008). Genetic analysis of Greek populations of the endangered species *Pinna nobilis* and *Atrina fragilis*. Final Report, Alexander Technological Institute of Thessaloniki, Thessaloniki 2008.
  - 11) Imsiridou A., Galinou-Mitsoudi S., Katsares V. and Gakopoulou A. (2010). Genetic identification of the species *Chlamys glabra* and *Chlamys proteus* with mitochondrial genes. Final Report, Alexander Technological Institute of Thessaloniki, Thessaloniki 2010.
  - 12) Imsiridou Anastasia (2017). Identification of innovative PDO or PGI products of specific species of Amvrakikos Gulf, in the framework of exploitation and sustainable management of the Gulf fish stocks. Final Report, Alexander Technological Institute of Thessaloniki, Thessaloniki 2017.

#### **D. Books**

- Imsiridou T. Anastasia (2018). Genetic Analysis Techniques - Applications in Food Sector, ISBN 978-960-6706-67-7. Sofia Publications, Thessaloniki, Greece
- Imsiridou T. Anastasia (2026). Genetic Analysis Techniques - Applications in Food Sector – Second Edition, ISBN 978-960-267-655-4. BARBOUNAKIS Publications, Thessaloniki, Greece

## **4. CONFERENCES**

### **A. National Conferences**

- 1) Triantaphyllidis C., Karakousis Y., Apostolidis A., Imsiridou A. and Palaiokostas A. (1993). Genetic structure of *Oncorhynchus mykiss* (*Salmo gairdnerii*). *Sixth Panhellenic Meeting of Ichthyologists*. Xanthi, 4-6 June.
- 2) Imsiridou A., Karakousis Y. and Triantaphyllidis C. (1994). An investigation of the genetic structure of seven chub *Leuciscus cephalus* (Pisces; Cyprinidae) populations from Greece. *Sixteenth Panhellenic Meeting of Biology*. Volos, 5-7 May.
- 3) Imsiridou A., Apostolidis A., Durand J. D., Briolay J., Bouvet Y. and Triantaphyllidis C. (1997). Phylogenetic relationships among 12 Greek *Leuciscus cephalus* L. (chub) populations as revealed by RFLP analysis of

- PCR amplified mtDNA segments. *Nineteenth Panhellenic Meeting of Biology - First Biological Meeting of Balkan countries*. Thessaloniki, 15-18 May.
- 4) Imsiridou A. and Triantaphyllidis C. (2001). Use of allozyme electrophoresis for differentiation between two European hake *Merluccius merluccius* L. (Gadidae) populations. *10<sup>th</sup> Panhellenic Conference of Ichthyologists*. Chania, 18-20 October.
  - 5) Imsiridou A., Hardy H. and Zaldivar J-M. (2001). Web database for the identification of fish stocks using molecular genetic data. *10<sup>th</sup> Panhellenic Conference of Ichthyologists*. Chania, 18-20 October.
  - 6) Perdikaris C., Konstandinidis E. and Imsiridou A. (2005). Aquaculture activity in Thesprotia Prefecture. *12<sup>th</sup> Panhellenic Conference of Ichthyologists*. Drama, 13-16 October.
  - 7) Imsiridou A., Minos G., Katsares V., Karaïskou N. and Tsiora A. (2007). Genetic identification and phylogeny of different Mugilidae species with a nuclear marker. *13<sup>th</sup> Panhellenic Conference of Ichthyologists*. Mitilini, 27-30 September.
  - 8) Katsares V., Tsiora A., Galinou-Mitsoudi S. and Imsiridou A. (2007). Genetic structure of the endangered bivalve mollusc *Pinna nobilis* (Mollusca: Bivalvia). *13<sup>th</sup> Panhellenic Conference of Ichthyologists*. Mitilini, 27-30 September.
  - 9) Imsiridou A., Triantafyllidis A. and Triantaphyllidis C. (2008). Genetic structure of common carp (*Cyprinus carpio* L.) populations from Greece using mitochondrial DNA sequences. *30<sup>th</sup> Scientific Conference of Hellenic Society for Biological Sciences*. Thessaloniki, 22-24 May.
  - 10) Chrysaeidi S., Imsiridou A., Katsares V. and Galinou-Mitsoudi S. (2010). Genetic identification of the species *Flexopecten glaber* (Linnaeus 1758) and *Flexopecten proteus* (Dillwyn 1817) (Mollusca: Bivalvia) with mitochondrial genes. *14<sup>th</sup> Panhellenic Conference of Ichthyologists*. Piraeus, 6-9 May.
  - 11) Daskalopoulou D., Katsares V., Galinou-Mitsoudi S. and Imsiridou A. (2011). Genetic structure of an *Atrina fragilis* population (Bivalvia: Pinnidae) in the Thermaikos Gulf. *33<sup>th</sup> Scientific Conference of Hellenic Society for Biological Sciences*. Edessa, 19-21 May.
  - 12) Minos G., Imsiridou A., Argiridis N., Karidas Th. and Katselis G. (2012). Validating the ability to identify picarel *Spicara flexuosa* Risso, 1810 and blotched picarel *Spicara maena* (Linnaeus, 1758) using easily distinguishable morphometric characters. *10th Symposium on Oceanography & Fisheries*. Athens, 7-11 May.
  - 13) Imsiridou A. and Galinou-Mitsoudi S. (2013). Genetic analysis as a tool of Bivalve population management in Greek seas. *4<sup>th</sup> Pan-Hellenic Congress in Technology of Animal production*. Thessaloniki, 8 February.
  - 14) Imsiridou A. and Minos G. (2013). Contribution on the genetic identification of the genus *Terapon* (Pisces: Terapontidae). *15<sup>th</sup> Panhellenic Conference of Ichthyologists*. Thessaloniki, 10 - 13 October.
  - 15) Mina A., Minos G. and Imsiridou A. (2014). Genetic diversity study of species *Chondrostoma vardarensis* (Cyprinidae) with mitochondrial DNA sequencing analysis. *36<sup>th</sup> Scientific Conference of Hellenic Society for Biological Sciences*. Ioannina, 8-10 May.
  - 16) Imsiridou A., Minos G. and Kokkokiris L. (2014). Documentary appearance of *Tylosurus acus imperialis* individuals in Thermaikos Gulf. *1<sup>st</sup> International*

*Congress on Applied Ichthyology and Aquatic Environment-“HydroMedit 2014”*. Volos, 13-15 November.

- 17) Tsouhluou P., Imsiridou A., Galinou-Mitsoudi S., Giannoulis T., Georgiou S., Mamouris Z. and Amoutzias G. D. (2014). Detection of developmental genes in the largest Mediterranean bivalve mollusc *Pinna nobilis* with RNA-seq technology. *65<sup>th</sup> Congress of the Hellenic Society of Biochemistry and Molecular Biology*. Thessaloniki, 20-30 November.
- 18) Imsiridou A., Maradidou S., Lokovitis D. and Minos G. (2016). Use of molecular analysis techniques for fraud detection in marine products labelled with the term “galeos”. *16<sup>th</sup> Panhellenic Conference of Ichthyologists*. Kavala, 6-9 October.
- 19) Minos G., Imsiridou A., Kokokiris L. and Karidas Th. (2016). Biological elements of agujon needlefish (*Tylosurus acus imperialis*) in the northern Aegean Sea. Kavala, 6-9 October.
- 20) Papapetrou M., Imsiridou A., Tilikidis A., Loukovitis D., Minos G., Gouva E., Chatzopoulos A., Skoufos I. and Paschos I. (2019). The population structure of three Greek marine species (*Sardina pilchardus*, *Penaeus kerathurus*, *Mullus barbatus*) as a tool for their characterization as PGI products. *7<sup>th</sup> Pan-Hellenic Congress in Technology of Animal Production*. Thessaloniki, 1<sup>st</sup> February.

## **B. International Conferences**

- 1) Gollman G., Bouvet Y., Brito R. M., Coelho M. M., Collares-Pereira M. J., Imsiridou A., Karakousis Y., Pattee E. and Triantaphyllidis C. (1996). Effects of river engineering on genetic structure of European fish populations. *International Conference on Fish Migration and Fish Bypass Channels*. Vienna - Austria, 24-26 September.
- 2) Durand J. D., Guinand B., Imsiridou A. and Bouvet Y. (1997). Dispersion of the chub, *Leuciscus cephalus*, in Greek rivers, inferred by cytochrome b sequence variation (Cyprinidae). *Ninth international congress of European Ichthyologists*. Napoli-Trieste.
- 3) Zaldivar J. M., Hardy H. and Imsiridou A. (2000). Feasibility study for the exploitation of molecular genetic data for the identification of fish origin in form of a databank accessible through the internet (Fishgen). *International Congress on Authenticity of Species in Meat and Seafood Products*. Vigo-Spain, 18-20 September.
- 4) Katsares V., Tsiora A., Imsiridou A. and Galinou-Mitsoudi S. (2006). Preliminary results of the genetic analysis of Bivalve Molluscs *Pinna nobilis* and *Atrina fragilis* (Bivalvia – Pinnidae). *10<sup>th</sup> International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions*. Patras-Greece, 26-30 June.
- 5) Imsiridou A., Minos G., Tsiora A., Katsares V. and Douka S. (2006). Identification of fry of different grey mullet species with the use of nuclear 5S rDNA markers. *10<sup>th</sup> International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions*. Patras-Greece, 26-30 June.
- 6) Minos G., Imsiridou A. and Economidis P. S. (2007). *Liza haematochila* in Northern Aegean Sea. New records and gonad structure. *12<sup>th</sup> European Congress of Ichthyology*. Cavtat (Dubrovnik), Croatia, 9-13 September.
- 7) Imsiridou A., Minos G., Gakopoulou A., Katsares V., Karidas T. and Katselis G. (2009). Discrimination of two picarel species (*Spicara flexuosa* and



- Spicara maena*, Pisces: Centranchidae) based on mitochondrial DNA sequences. 13<sup>th</sup> European Congress of Ichthyology. Klaipeda, Lithuania, 7-11 September.
- 8) Imsiridou A., Triantafyllidis A., Baxevanis A. D. and Triantaphyllidis C. (2009). Genetic characterization of common carp (*Cyprinus carpio* L.) populations from Greece using mitochondrial DNA sequences. 13<sup>th</sup> European Congress of Ichthyology. Klaipeda, Lithuania, 7-11 September.
  - 9) Naderi L., Shabani A. and Imsiridou A. (2012). Evaluation easy and reliable method to transfer DNA in long distance and time. *The 12th Iranian Genetics Congress*. Tehran, Iran, 22-24 May.
  - 10) Mankiewicz-Boczek J., Imsiridou A., Kaczowski Z., Tsiora A., Karaïskou N., Łapińska M., Minos G. and Zalewski M. (2012). Genetic diversity as an important element of sustainable management of perch *Perca fluviatilis* L. populations in lowland reservoirs in Central Poland. 14<sup>th</sup> European Congress of Ichthyology. Liege, Belgium, 3-8 July.
  - 11) Galinou-Mitsoudi S., Imsiridou A., Koutra A. and Samaras D. (2012). Reproductive period of *Spondylus gaederopus* (Bivalvia) and its genetic approach. 14<sup>th</sup> European Congress of Ichthyology. Liege, Belgium, 3-8 July.
  - 12) Minos G., Imsiridou A. and Kokokiris L. (2015). Morphometric identification of *Tylosurus acus imperialis* in the North Aegean Sea. 15<sup>th</sup> European Congress of Ichthyology. Porto, Portugal, 7-11 September.
  - 13) Imsiridou A., Minos G., Kokokiris L., Karachle P. K. and Kapiris K. (2015). Genetic identification of *Penaeus aztecus* Ives, 1891 in the Eastern Mediterranean. 10<sup>th</sup> International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions. Irakleio, Greece, 7-11 October.
  - 14) Imsiridou A., Galinou-Mitsoudi S., Samaras D. and Samara E. (2015). Genetic structure of a Mediterranean spiny oyster *Spondylus gaederopus* Linnaeus, 1758 (Bivalvia) population from Aegean Sea. 10<sup>th</sup> International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions. Irakleio, Greece, 7-11 October.
  - 15) Minos G., Kapiris K., Imsiridou A. and Stamidis V. (2015). Rostral irregularity of *Penaeus (Farfantepenaeus) aztecus* in Greek waters. 10<sup>th</sup> International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions. Irakleio, Greece, 7-11 October.
  - 16) Minos G., Imsiridou A. and Kokokiris L. (2015). Morphometric identification of *Tylosurus acus imperialis* in the North Aegean Sea. *Frontiers in Marine Science*. Conference Abstract: XV European Congress of Ichthyology.
  - 17) Imsiridou A., Maradidou S., Lokovitis D. and Minos G. (2016). Fraud detection in marine products with molecular analysis techniques. A case study in Elasmobranchii. *FoodIntegrity 2016. Assuring the integrity of the food chain: Fighting food fraud*. Prague, Czech Republic, 6-7 April.
  - 18) Ferentis A., Loukovitis D., Gouva E., Chatzopoulos A., Skoufos I., Paschos I., Minos G. and Imsiridou A. (2017). Determination of Protected Geographical Indication (PGI) Greek marine products with DNA methodologies. 6<sup>th</sup> International Congress on Food Technology. Athens, Greece, 18-19 March.
  - 19) Imsiridou A., Maradidou S., Lokovitis D. and Minos G. (2017). Use of molecular analysis techniques for mislabelling detection in seafood products

- commercialized with the term "galeos". *FoodIntegrity 2017 Conference*. Parma, Italy, 10-11 May.
- 20) Imsiridou A., Papapetrou M., Tilikidis A., Loukovitis D., Minos G., Gouva E., Chatzopoulos A., Skoufos I. and Paschos I. (2018). Population structure of three Greek marine species (*Sardina pilchardus*, *Penaeus kerathurus*, *Mullus barbatus*) as a tool for their future PGI definition. *FoodIntegrity 2018 Conference*. Nantes, France, 14-15 November.
  - 21) Imsiridou A., Gubili C., Pazartzi T., Siaperopoulou S., Maradidou S., Chatzisprou A., Loukovitis D. and Minos G. (2018). Detection of mislabeling and endangered species in "galeos" shark meat from Greek markets using DNA barcoding. *FoodIntegrity 2018 Conference*. Nantes, France, 14-15 November.
  - 22) Minos G., Karidas T. and Imsiridou A. (2018). Medusivorous fish of the Mediterranean. The occurrence of blackfish, *Centrolophus niger* (Gmelin, 1789) in Thermaikos Gulf, North Aegean Sea. *HydroMediT 2018 - 3rd International Congress on Applied Ichthyology & Aquatic Environment*. Volos, Greece, 8-11 November 2018.
  - 23) Imsiridou A., Karnezi S. and Minos G. (2019). Comparison of Greek *Sardina pilchardus* haplotypes with those found in the global distribution of the species, for characterization of the Greek populations as Protective Geographic Indication (PGI) products. *16<sup>th</sup> European Congress of Ichthyology*. Lausanne, Switzerland, 2-6 September.
  - 24) Gubili C., Chatzisprou A., Minos G., Imsiridou A and Griffiths A. M., (2019). High levels of mislabeling in elasmobranch meat products – Investigating species utilisation with DNA barcoding in the Mediterranean. *European Elasmobranchs association - 23<sup>rd</sup> annual conference*. Rende - Italy, 16-18 October.
  - 25) Giagkazoglou Z., Griffiths A.M., Imsiridou A., Chatzisprou A., Touloumis K., Hebb J.L., Mylona D., Malamidou A. K., Apostolidi E.D., Batjakas I.E., Gubili C. (2021). "Protection" under the shade: lack of labelling legislation and umbrella terms allow protected species in batoid wings from Greece. *Hydromedit 2021 – 4th International Congress on Applied Ichthyology & Aquatic Environment*. ONLINE, 4-6 November 2021.
  - 26) Giagkazoglou Z., Gubili C., Griffiths A.M., Chatzisprou A., Touloumis K., Minos G., Batjakas I.E. and Imsiridou A. (2021). Investigating patterns of species utilization in Greek elasmobranch products with DNA barcoding. *ISEKI E-conference Food Texture, Quality Safety and Biosecurity in the Global Bioeconomy*. ONLINE, 10-12 November 2021.
  - 27) Giagkazoglou Z., Imsiridou A., Loukovitis D., Bompou E., Schoinas K., Konstantou V. (2024). Microbiome analysis of the Mediterranean mussel (*Mytilus galloprovincialis*) from culture areas of Northern Aegean Sea (Greece), based on Next Generation Sequencing methodologies. *37th EFFoST International Conference*. Valencia – Spain, 6 - 8 November 2023.
  - 28) Giagkazoglou Z., Loukovitis D., Gubili C., Imsiridou A. Labeling control of cephalopod products in the Greek market, with DNA barcoding methodologies. *37th EFFoST International Conference*. Valencia – Spain, 6 - 8 November 2023.
  - 29) Giagkazoglou Z., Loukovitis D., Gubili C., Imsiridou A. (2024). Untangling the Greek seafood market: Authentication of crustacean products using DNA-

barcoding methodologies. *International Conference on Food Science and Nutrition*. Stockholm – Sweden, 15-16 July 2024.

- 30) Giagkazoglou Z., Loukovitis D., Gubilić C., Chatziplis D., Tzikas Z., Imsiridou A. (2025). Investigating crustaceans in the Greek market using DNA barcoding. *7th International Conference on Food Science & Technology*. Athens-Greece, 8-9 November 2025.
- 31) Giagkazoglou Z., Loukovitis D., Gubilić C., Imsiridou A. (2026). Comparative study of the cephalopod and crustacean products in the Greek seafood market, using DNA techniques. *International Conference on Food Science and Nutrition*. London - United Kingdom, 20-21 April 2026.

## 5. SEMINARS

- 1) March-June 1992: Greek Centre of Productivity (EL. KE. PA.). Title: *Aquacultures*. Thessaloniki, Greece.
- 2) September-December 1992: School of Biology - Aristotle University of Thessaloniki. Title: *Applied Biology*. Thessaloniki, Greece.
- 3) 12-15 October 1998: EBI (European Bioinformatics Institute). Title: *Databases in Molecular Biology*. Hinxton, Cambridge, UK.
- 4) 5 – 16 June, 18 September – 14 October 2000. Educational Centre DIMITRA. Title: *Financial and Biological management of fishing and aquaculture activities*. Thessaloniki, Greece.
- 5) 18 May 2001: Title: *Genetic diversity in the European lobster (Homarus gammarus), population structure and impacts of stock enhancement*. Halkidiki, Greece.
- 6) 9-13 June 2003. National Centre of Public Administration. Title: *Genetic Modified Organisms*. Athens, Greece.
- 7) 1-3 October 2012. Hellenic Centre for Marine Research - Institute of Marine Biology and Genetics. Title: *Next-Generation Sequencing technologies and Informatics tools for studying Marine Biodiversity and Adaptation*. Heraklion, Crete.
- 8) 15 December 2020. Title: *Presentation of the National Research Infrastructure FoodOmicsGR\_RI*. Online.

## 6. LANGUAGES

- 1) **Greek:** Native language
- 2) **English:** Very good, Michigan Proficiency
- 3) **Italian:** Very good. CELI 2 of the University of Perugia
- 4) **French:** Basic knowledge

## 7. RESEARCH EXPERIENCE

- 1) CAMB (*Centre d'Analyse Moléculaire de la Biodiversité*) of the Université Claude Bernard (ERASMUS scholarship). Work on the sequencing technique, in populations of *L. cephalus*. Lyon, France. July 1995 - August 1995.
- 2) Institute ISIS (Institute for Systems Informatics and Safety), JRC (Joint Research Center) (Post-doctoral fellowship). Work on *Web based database for genetic identification of stocks of commercially important fish species*. Ispra, Italy. April 1998 - July 1999.
- 3) European Regional Centre of Ecohydrology, Lodz, Poland. Scholarship in the frame of Bilateral Programs of Educative Exchanges of year 2011 and work

on: *Genetic diversity with mitochondrial DNA assessment for fish populations' enhancement in Poland*. 8<sup>th</sup> August 2011 – 15<sup>th</sup> August 2011.

- 4) University of Lodz - Faculty of Biology and Environmental Protection - Department of Applied Ecology, Poland. Scholarship in the frame of Bilateral Programs of Educative Exchanges of year 2015 and work on: *DNA techniques applied for isolation of genetic material from sludge and soil*. 22<sup>nd</sup> - 29<sup>th</sup> November 2015.
- 5) University of Agricultural Sciences and Veterinary Medicine, Cluj Napoca. Scholarship in the frame of Erasmus+ Training Staff mobility and work on: *Genetic analysis of food products*. 5<sup>th</sup> September 2017 – 8<sup>th</sup> September 2017.

## **8. RESEARCH PROJECTS**

- 1) Assessment of the two main and connected human influences, river disturbance and subsequent fish stocking on the genetic diversity and stability on natural riverine fish populations (February 1993 – March 1996). Scientific Responsible Triantaphyllidis C., Professor of the Department of Biology of the Aristotle University of Thessaloniki. Funded by European Union.
- 2) Developing and applying molecular techniques to differentiate between the Atlantic and Mediterranean hake (January 1999 - April 1999). Scientific Responsible Triantaphyllidis C., Professor of the Department of Biology of the Aristotle University of Thessaloniki. Funded by European Union.
- 3) Socrates Programme – New Curriculum development (CD) projects: Master of Inland Water Quality Assessment. Coordinator of the course “Genetic drift” (July 2003 – July 2005). Scientific Responsible Galinou – Mitsoudi S., Associate Professor of the Department of Fisheries and Aquaculture Technology of the Alexander Technological Educational Institute of Thessaloniki. Funded by European Union.
- 4) Application of freezing - defrosting techniques of fish sperm in Greek aquacultures (May 2005 – December 2006). Scientific Responsible Nathanailidis C., Associate Professor of the Department of Fisheries of the Technological Educational Institute of Epirus. Funded by European Union.
- 5) Genetic discrimination of Greek *Pinna nobilis* populations (November 2005 – April 2007). Scientific Responsible Imsiridou A., Assistant Professor of the Department of Fisheries and Aquaculture Technology of the Alexander Technological Educational Institute of Thessaloniki. Funded by the State Scholarships Foundation of Greece.
- 6) Genetic identification of different fry Mugilidae species with nuclear markers (March 2006 – March 2007). Scientific Responsible Imsiridou A., Assistant Professor of the Department of Fisheries and Aquaculture Technology of the Alexander Technological Educational Institute of Thessaloniki. Funded by the Alexander Technological Educational Institute of Thessaloniki.
- 7) Genetic analysis of Greek populations of the endangered species *Pinna nobilis* and *Atrina fragilis* (December 2007 – November 2008). Scientific Responsible Imsiridou A., Assistant Professor of the Department of Fisheries and Aquaculture Technology of the Alexander Technological Educational Institute of Thessaloniki. Funded by the Alexander Technological Educational Institute of Thessaloniki.
- 8) Genetic identification of the species *Chlamys glabra* and *Chlamys proteus* with mitochondrial genes (April 2009 – March 2010). Scientific Responsible Imsiridou A., Assistant Professor of the Department of Fisheries and

Aquaculture Technology of the Alexander Technological Educational Institute of Thessaloniki. Funded by the Alexander Technological Educational Institute of Thessaloniki.

- 9) Hellenic Network for Biodiversity Research (HelBionet) (January 2010 – July 2010). Scientific Responsible Dr. Arvanitidis Christos, Researcher of the Hellenic Centre for Marine Research. Funded by the Greek General Secretariat of Research and Technology.
- 10) Dietary supplements of Spirulina: Apart from knowing benefits are any hidden threats? (April 2013 - September 2015). Scientific Responsible Vardaka E., Assistant Professor of the Department of Fisheries and Aquaculture Technology of the Alexander Technological Educational Institute of Thessaloniki. Funded by European Union.
- 11) Development and application of innovative biotechnological methods utilizing molecular genetic markers, for the genetic improvement of farmed gilthead seabream (*Sparus aurata*) (April 2014 - June 2015). Scientific Responsible Papaharisis Leonidas, Director of Nireas Aquaculture. Funded by Nireas Aquaculture.
- 12) Enhancing the competitiveness of Greek fish farming through an innovative genetic selection program in sea bass (BASSGEN) (February 2015 - September 2015). Scientific Responsible Chatziplis Dimitrios, Professor of the Department of Agricultural Technology of the Alexander Technological Educational Institute of Thessaloniki.
- 13) Identification of innovative PDO or PGI products of specific species of Amvrakikos Gulf, in the framework of exploitation and sustainable management of the Gulf fish stocks (July 2014 – October 2018). Scientific Responsible Skoufos Ioannis, Professor of the Department of Agricultural Technology of the Technological Educational Institute of Epirus. Funded by Ministry of Economy, Competitiveness and Shipping of Greece.

## 9. RESEARCH ACTIVITY

- 1) Member of the Scientific Committee of the 11<sup>th</sup> Panhellenic Conference of Ichthyologists. Preveza, 10 – 13 April 2003.
- 2) Invitation for giving a lecture from: Agriculture and Fisheries Unit of the Institute for the Protection and Security of the Citizen of the Joint Research Center. Title of the lecture: *Fish genetics*. Ispra, Italy, 13<sup>th</sup> October 2004.
- 3) Member of the Scientific Committee of the 12<sup>th</sup> Panhellenic Conference of Ichthyologists. Drama, 13 – 16 October 2005.
- 4) Reviewer at national conferences:
  - 12<sup>th</sup> Panhellenic Conference of Ichthyologists. Drama, 13-16 October 2005.
  - 13<sup>th</sup> Panhellenic Conference of Ichthyologists. Mitilini, 27-30 September 2007.
  - 15<sup>th</sup> Panhellenic Conference of Ichthyologists. Thessaloniki, 10-13 October 2013.
  - 16<sup>th</sup> Panhellenic Conference of Ichthyologists. Kavala, 6-9 October 2016
  - 18<sup>th</sup> Panhellenic Conference of Ichthyologists. Patras, 3-6 November 2022
- 5) Reviewer in the following Journals:
  - *Bionformatics*. 2006, 2008, 2010
  - *Journal of Fish Biology*. 2008, 2011
  - *Journal of Biological Research*. 2009
  - *Aquaculture Research*. 2010.

- *Ecohydrology & Hydrobiology*. 2010.
- *BMC - Genomics*. 2013.
- *DNA-Barcodes*. 2015.
- *Springer - plus*. 2015, 2016.
- *Food Analytical Methods*. 2016.
- *Thalassas*. 2017, 2018
- *Mediterranean Marine Science*. 2017, 2018.
- *European Journal of Work and Organizational Psychology*. 2019
- *Ecology and Evolutionary Biology*. 2019
- *Journal of the Hellenic Veterinary Medical Society*. 2019, 2020, 2021.
- *Biodiversitas Journal of Biological Diversity*. 2020
- *Animals*. 2021.
- *Foods*. 2021.
- *Biologia*. 2022.
- *European Food Research and Technology*. 2025
- *Sustainable Aquatic Research*. 2025
- *Computational and Structural Biotechnology Journal*. 2025

**6) Editor-in-Chief:** *Journal of Nutrition, Food and Lipid Science*

**7) Special Issue Editor:** *Animals*

- 8)** Member of the organizing committee of the 5th ISEKI e-conference "Current Food Innovation Trends; The Texture and consumer Perception Perspective", 23 - 25 November 2022, - online event
- 9)** Editing of the chapter «Rickettsia and Related Genera – Chapter 26» in the book: *Jawetz Melnick & Adelbergs Medical Microbiology*. ISBN: 978-1260012026

#### **10. TEACHING EXPERIENCE IN NATIONAL INSTITUTIONS**

- 1) Prefecture of Thesprotia, Greece. Teaching in a seminar with title *Aquacultures*. May - September 2000.
- 2) Technological Educational Institute of Epirus, Department of Fisheries, Igoumenitsa, Greece. Teaching of the course *Freshwater Fish Biology*. September 2000 - September 2001.
- 3) Technological Educational Institute of Epirus, Department of Fisheries, Igoumenitsa, Greece. Teaching of the course *Introduction to the Genetic Engineering and Biotechnology of Aquatic organisms*. September 2001-September 2002.
- 4) University of Thessaly, Department of Veterinary Medicine, Karditsa, Greece. Teaching of the course *Genetics*. September 2002 – February 2003.

#### **11. TEACHING EXPERIENCE IN INTERNATIONAL INSTITUTIONS**

- 1) University of Lodz, Faculty of Biology and Environmental Protection, Lodz, Poland. Teaching in the following courses:
  1. Different genetic methodologies for discrimination of fish populations
  2. Genetic identification method for different fish species
  3. Development of a genetic methodology for discrimination of Greek Bivalvia populations. February 2005 – March 2005.

- 2) University of Lodz, Department of Applied Ecology, Lodz, Poland. Teaching in the following courses:
  1. Genetic identification techniques of different fish species
  2. Genetic identification of different fry *Mugilidae* species with nuclear markers
  3. Genetic analysis of *Pinna nobilis* and *Atrina fragilis* (Bivalvia – Pinnidae) populations of Greece. July 2006.
- 3) University of Lodz, Faculty of Biology and Environmental Protection, Department of Applied Ecology, Lodz, Poland. Teaching in the following courses:
  1. Genetic analysis as a management tool of Greek Bivalvia populations. November 2015.
- 4) University of Agricultural Sciences and Veterinary Medicine, Cluz Napoca, Faculty of Food Science and Technology, Romania. Teaching in the following courses:
  1. Agarose Gel electrophoresis: safety, principles, and applications; restriction endonucleases, other enzymes important in molecular biology
  2. Nucleic acids purification, quantification (Polymerase Chain Reaction), other DNA amplification methods
  3. DNA sequencing and screening based on computational assessment: computational DNA sequencing; using genomic DNA databases
  4. PCR. January 2018, 2019

## **12. TEACHING EXPERIENCE IN MSc LEVEL**

- 1) Telemark University College, Department of Environmental and Health Studies, Bo, Norway. Teaching in the following courses:
  1. Genetic methodologies for discrimination of fish populations
  2. Genetic identification techniques of different fish species
  3. Development of a genetic methodology for discrimination of Greek Bivalvia populations. November 2006.
- 2) Lithuanian University of Agriculture, Faculty of Water and Land Management, Kaunas, Lithuania. Teaching in the following courses:
  1. Genetic characterization of common carp (*Cyprinus carpio* L.) populations from Greece using mtDNA sequences
  2. Genetic identification of two different species of the genus *Spicara* using nuclear and mitochondrial markers. May 2008 – June 2008.
- 3) University of Latvia - Faculty of Biology - Department of Hydrobiology – Latvia. Teaching in the following courses:
  1. Mitochondrial DNA variation as a tool for systematic status clarification of two high commercial *Flexopecten* forms in the Aegean Sea
  2. Genetic structure of an *Atrina fragilis* population (Bivalvia: Pinnidae) in the Thermaikos Gulf. September 2011.
- 4) University of Udine - Department of Food Sciences - Italy. Teaching in the following courses:
  1. Genetic analysis as a management tool of Greek Bivalvia populations
  2. Contribution in the genetic identification of genus *Terapon*. May 2014.
- 5) Università Degli Studi di Milano - Department of Food, Environmental and Nutritional Sciences - Italy. Teaching in the following courses:
  1. Introducing the Department of Food Science and Technology (IHU) (2h)

2. Genetic analysis as a basic tool for the identification of food products (2h)
  3. Use of molecular analysis techniques for mislabelling detection in seafood products commercialized with the term “galeos” (2h)
  4. Labeling control of seafood products in the Greek market, with DNA barcoding methodologies (2h). March 2023.
- 6) Kastamonu University, Faculty of Engineering and Architecture, Department of Food Engineering – Turkey.
- Teaching in the following courses:
1. Introducing the Department of Food Science and Technology – IHU (2h)
  2. Genetic analysis as a basic tool for the identification of food products (2h)
  3. Use of molecular analysis techniques for mislabelling detection in seafood products commercialized with the term “galeos” (2h)
  4. Labeling control of cephalopod products in the Greek market, with DNA barcoding methodologies (1h)
  5. Labeling control of crustacean products in the Greek market, with DNA barcoding methodologies (1h). April 2024.
- 7) Polytechnic University of Coimbra, Coimbra Agriculture School – Portugal.
- Διδασκαλία στις εξής ενότητες:
1. (1 hour): Introducing the Department of Food Science and Technology (IHU)
  2. (2 hours): Genetic analysis as a basic tool for the identification of food products
  3. (2 hours): Use of molecular analysis techniques for mislabelling detection in seafood products commercialized with the term “galeos”
  4. (2 hours): Labeling control of cephalopod products in the Greek market, with DNA barcoding methodologies
  5. (1 hours): Microbiome profile of the Mediterranean mussel (*Mytilus galloprovincialis*) from Northern Aegean Sea (Greece) culture areas, based on a 16S rRNA Next Generation Sequencing approach. March 2025.
- 8) Technological Educational Institute of Epirus, Department of Fisheries, Igoumenitsa, Greece. Teaching in the M.Sc. program with title *Aquacultures – Pathological problems of aquatic organisms* of the following courses:
- Reproduction and Genetics - Laboratory techniques of genetic analysis. May 2006, November 2008, November 2010, April 2013.
  - Broodfish management and genetics. November 2015.
  - Fish genetics. January 2021.
- 9) Alexander Technological Educational Institute of Thessaloniki, Department of Agricultural Technology. Teaching in the M.Sc. program with title *Innovative sustainable agricultural production systems* of the following course:
- Applications of modern biotechnology in reproduction and genetic improvement of animals. December 2015, January 2017, February 2018, February 2019, February 2020, January 2021. January 2022.
- 10) International Hellenic University, Department of Food Science and Technology. Teaching in the M.Sc. program with title *Quality Management and Production Organization Systems for the Food Industry* of the following course:



- Molecular Analysis Techniques. January 2020. January 2021. November 2021. December 2021.
- 11) International Hellenic University, Department of Food Science and Technology. Teaching in the M.Sc. program with title *Quality, Production and Management in the Food Industry* of the following courses:
  - Microbiological safety and authenticity of food products. November 2025. December 2025.
  - Writing scientific reports

### **13. WRITINGS**

- 1) *Notes on Freshwater Fish Biology*. Imsiridou A. Technological Educational Institute of Epirus, Department of Fisheries. Igoumenitsa 2000.
- 2) *Genetic Engineering*. Imsiridou A. Alexander Technological Educational Institute of Thessaloniki, Department of Fisheries and Aquacultures Technology. Thessaloniki 2009.
- 3) *Genetic Engineering - Laboratory techniques*. Imsiridou A. Technological Educational Institute of Thessaloniki - Department of Fisheries and Aquacultures Technology. Thessaloniki, 2009.
- 4) *Plant Biotechnology - Laboratory techniques*. Imsiridou A. Technological Educational Institute of Thessaloniki - Department of Agricultural Technology. Thessaloniki, 2014.
- 5) *Genetic analysis in food identification*. Imsiridou A. Technological Educational Institute of Thessaloniki - Department of Food Technology. Thessaloniki, 2015
- 6) *Molecular Biology Analysis in Food Sector - Teaching Notes*. Imsiridou A. University of Agricultural Sciences and Veterinary Medicine, Cluj Napoca, Romania 2018.

### **14. PREVIOUS OCCUPATION**

- 1) Prefecture of Thesprotia (Greece), Department of Fisheries. December 1999 – August 2003.
- 2) Alexander Technological Educational Institute of Thessaloniki, Department of Fisheries and Aquacultures Technology. Assistant Professor (2003-2012), Associated Professor (2012 - 2014).
- 3) Alexander Technological Educational Institute of Thessaloniki, Department of Food Technology. Associated Professor (2014 - 2018).
- 4) Alexander Technological Educational Institute of Thessaloniki, Department of Food Technology. Professor (2018 - 2020).
- 5) International Hellenic University, Department of Food Science and Technology. Professor (2020 - present).

### **15. WORK IN ALEXANDER TECHNOLOGICAL EDUCATIONAL INSTITUTE / INTERNATIONAL HELLENIC UNIVERSITY**

#### **A. Teaching experience**

- General Biology (lectures and practical courses)
- Genetic Engineering (lectures and practical courses)
- Applied Genetics (lectures)
- Chemistry and Nutritional Value of Aquatic Organisms (lectures)
- Chemistry and Biotechnology of Aquatic Natural Products (lectures and practical courses)

- English for Aquatic Sciences (lectures)
- Pathology of Aquatic Organisms (lectures and practical courses)
- Plant Biotechnology (lectures and practical courses)
- Genetics (practical courses)
- Food Biochemistry (practical courses)
- Food Microbiology (practical courses)
- Fish Technology (Practical courses)
- Seminar (practical courses)
- Molecular Analysis Techniques (lectures and practical courses)
- Biology - Genetics (lectures)

## **B. Supervision experience**

- 2007. **4<sup>th</sup> year undergraduate student thesis** with title: Statistical and phylogenetic packages applications on the Genetic Database Fishtrace
- 2007. 4<sup>th</sup> year undergraduate student thesis with title: Bioinformatics – Fish Genetic Databases
- 2007. 4<sup>th</sup> year undergraduate student thesis with title: Discrimination of different fry Mugilidae species with nuclear markers
- 2008. 4<sup>th</sup> year undergraduate student thesis with title: Discrimination of three Mugilidae species with the 5S rDNA marker
- 2008. 4<sup>th</sup> year undergraduate student thesis with title: Identification of two different *Spicara* species with nuclear and mitochondrial markers
- 2012. 4<sup>th</sup> year undergraduate student thesis with title: Identification of the species *Chlamys glabra* and *Chlamys proteus* with the use of mitochondrial genes
- 2012. 4<sup>th</sup> year undergraduate student thesis with title: Study of the genetic structure of an *Atrina fragilis* population in Thermaikos Gulf.
- 2012. 4<sup>th</sup> year undergraduate student thesis with title: DNA based barcode identification system – Use and Applications.
- 2013. 4<sup>th</sup> year undergraduate student thesis with title: Use of DNA markers for the discrimination of different Bivalve species.
- 2014. 4<sup>th</sup> year undergraduate student thesis with title: Genetic diversity study of species *Chondrostoma vardarensis* (Cyprinidae) with mitochondrial DNA sequencing analysis.
- 2017. 4<sup>th</sup> year undergraduate student thesis with title: Fraud detection in marine products with molecular analysis techniques
- 2019. 4<sup>th</sup> year undergraduate student thesis with title: Identification of innovative PGI products of specific species of Amvrakikos Gulf, with DNA techniques
- 2019. 4<sup>th</sup> year undergraduate student thesis with title: Mislabeling control in marine products with DNA techniques
- 2019. 4<sup>th</sup> year undergraduate student thesis with title: Comparison of Greek haplotypes of the species *Sardina pilchardus* with those found in the global distribution of the species, in order the characterization of the Greek populations as Protective Geographic Indication (PGI) products
- 2021. 4<sup>th</sup> year undergraduate student thesis with title: Comparison of Greek haplotypes of the species *Mullus barbatus* and *Penaeus kerathurus* with those found in the global distribution of the species, in order the characterization of the Greek populations as Protective Geographic Indication (PGI) products

- 2021. 4<sup>th</sup> year undergraduate student thesis with title: Traceability in canned fish products with DNA technologies
  - 2023. 4th year undergraduate student thesis with title: Labeling control of frozen cephalopods products with mtDNA markers analysis
  - 2023. 4th year undergraduate student thesis with title: Discrimination of different mollusks species with sequencing analysis
  - 2023. 4th year undergraduate student thesis with title: Systematic discrimination of edible fish species using genetic analysis techniques
  - 2023. 4th year undergraduate student thesis with title: Systematic discrimination of fresh seafood with DNA techniques
  - 2024. 4th year undergraduate student thesis with title: Population structure of the species *Cottus gobio* with mitochondrial DNA markers analysis.
  - 2024. 4th year undergraduate student thesis with title: Population genetics of species *Penaeus aztecus* in the Eastern Mediterranean
  - 2024. 4th year undergraduate student thesis with title: Identification of freshwater fish using genetic analyses
  - 2024. 4th year undergraduate student thesis with title: Identification of crustaceans in the Greek market.
  - 2025. 4th year undergraduate student thesis with title: Systematic discrimination of bivalve species (genus *Isognomon*) using Sanger sequencing analysis
  - 2026. 4th year undergraduate student thesis with title: Systematic discrimination of freshwater fish with genetic tools
  - 2026. 4th year undergraduate student thesis with title: DNA Analysis of sushi products using DNA techniques
- 
- 2017. **Msc thesis with title:** Determination and identification of innovative Protected Geographical Indication (PGI) products of specific species of Amvrakikos Gulf using DNA methodologies.
  - 2019. Msc thesis with title: Mislabeling detection in marine products commercialized as ‘‘galeos’’, with mitochondrial DNA markers.
  - 2020. Msc thesis with title: Identification of innovative Protected Geographical Indication (PG) products of specific species of the Amvrakikos gulf, using DNA techniques.
  - 2022. Msc thesis with title: Genetic identification in fish using COI-DNA barcoding techniques
  - 2022. Msc thesis with title: Study of the microbiome of the species *Mytilus galloprovincialis* with Next Generation Sequencing techniques
  - 2022, 2023. Msc thesis with title: Biting food: meta-analysis of dietary patterns in shark meat products.
- 
- 2021. **Member of the Examining Commission of the doctoral dissertation** with title: Development and application of molecular methods in the genetic identification of species and foods of animal production.
  - 2024. Member of the Examining Commission of the doctoral dissertation with title: Biobased approaches at modulating the interaction between legumes biopolymers and bioactives: a perspective for the production of baked goods (BIO-10)

- 2022. **Supervisor of the doctoral dissertation** with title: Labeling control of seafood products in the Greek market, with DNA barcoding methodologies

### **C. Organising of independent Laboratory of Genetics**

Since October 2008, the Laboratory of Genetics functioned in an independent and autonomous space of the Department of Fisheries and Aquaculture Technology. In this Laboratory students' diploma thesis, the practical exercises of the course Genetic Engineering and all the research projects were worked out. All the above demand the following techniques: DNA extraction, PCR, agarose gel electrophoresis, analysis and photographing of the electrophoresis gels, RFLPs. The laboratory of Genetics is suitably equipped and allocates the laboratorial infrastructure for the development of all the above. Since March 2015, the Laboratory of Genetics functions in an independent and autonomous space of the Department of Food Science and Technology of the International Hellenic University.

### **D. Writings**

- 1) *Genetic Engineering*. Imsiridou A. Alexander Technological Educational Institute of Thessaloniki, Department of Fisheries and Aquacultures Technology. Thessaloniki 2009.
- 2) *Genetic Engineering - Laboratory techniques*. Imsiridou A. Technological Educational Institute of Thessaloniki - Department of Fisheries and Aquacultures Technology. Thessaloniki 2009.
- 3) *Plant Biotechnology - Laboratory techniques*. Imsiridou A. Technological Educational Institute of Thessaloniki - Department of Agricultural Technology. Thessaloniki, 2014.
- 4) *Genetic analysis in food identification*. Imsiridou A. Technological Educational Institute of Thessaloniki - Department of Food Technology. Thessaloniki, 2015
- 5) *Molecular Biology Analysis in Food Sector - Teaching Notes*. Imsiridou A. University of Agricultural Sciences and Veterinary Medicine, Cluj Napoca, Romania 2018.