



EDUCATION

- **PhD in Biology | 2020**
School of Biology, Aristotle University of Thessaloniki, Greece
Subject: Biology and Ecology of Fish
Grade: “Excellent”
Dissertation title: “Regulation of fish fecundity types in changing environments: the case of species of the genus *Alosa*”
- **Master’s Degree in Biology | 2015**
School of Biology, Aristotle University of Thessaloniki, Greece
Subject: Hydrobiology and Aquacultures
Grade: “Excellent”
- **Bachelor’s Degree in Biology | 2012**
School of Biology, Aristotle University of Thessaloniki, Greece



SCHOLARSHIPS

- **Fulbright Visiting Scholar Program | 2022**
Host Organization: Department of Ecology and Evolutionary Biology, University of Connecticut, Storrs, CT, USA
Project: Fish Renal Anatomy and Osmoregulation Functions in the Light of Climate Change-induced Salinization of Brackish and Freshwater Systems
- **PhD Fellowship Grant | 2017 – 2018**
Funding: The Hellenic Foundation for Research and Innovation (HFRI) & The General Secretariat for Research and Technology (GSRT)



ACADEMIC TEACHING

- **Academic Scholar | School of Nursing, International Hellenic University | 2021 – 2022**
Course: Biology (1 semester, >20 students)



ACADEMIC SUPERVISION ACTIVITY

- Barboudi E. & Dimitriou M. (ongoing). Marine natural products in the pharmaceutical industry. Undergraduate Thesis, School of Nursing, International Hellenic University
- Mauroudi A. & Thivaïou M. (ongoing). Quality of life in people with profound or/and multiple disabilities. Undergraduate Thesis, School of Nursing, International Hellenic University



WORKING EXPERIENCE

- **World Fish Migration Foundation | 2022 – present**
Project: “Dam Removal Europe”
Role: Database manager, data analyst, resources manager, author of reports, seminar/webinar organizer
- **Researcher | Aristotle University of Thessaloniki Research Committee | 2021 – present**
Project: “Monitoring the spawning habitats of the fish species *Alburnus volviticus*”
- **Researcher | International Hellenic University Research Committee | 2021**
Project: “Use of coated nets to avoid cetaceans in coastal fisheries”
Duration: 6 months
- **Researcher | Aristotle University of Thessaloniki Research Committee | 2019**
Project: “Analysis of the reproductive dynamics of an endangered anadromous fish in Hudson River, US”
Funding: Cornell University, NY, USA
Duration: 2 months
- **Researcher | Aristotle University of Thessaloniki Research Committee | 2016**
Project: “Estimating parameters from egg production and ichthyoplankton procedures: evaluation of methodology and its implementation in biomass estimation models”
Funding: Aristotle University of Thessaloniki Research Committee
Duration: < 1 month
- **Researcher | Aristotle University of Thessaloniki Research Committee | 2015 – 2016**
Project: “Monitoring and assessing the state of fish species in the Axios Delta National Park”
Funding: Thermaikos Gulf Protected Areas Management Authority
Duration: 7 months
- **Researcher | Aristotle University of Thessaloniki Research Committee | 2015**
Project: “Research and proposals for the protection of the endangered endemic fish species in Lake Vistonis and Lake Mitrikou (*Alosa vistonica* & *Alburnus vistonicus*)”
Funding: Management Body of Delta Nestos and Lakes Vistonis – Ismarida
Duration: 9 months



INTERNSHIPS

- **Marine and Environmental Sciences Centre (MARE), Lisbon, Portugal | 2017**
Project: “Training on fisheries dynamics, reproductive biology, and ecology of diadromous fish”
Funding: ERASMUS +, ICP0046, Portugal
Duration: 3 months

- **Instituto Português do Mar e da Atmosfera (IPMA), Lisbon, Portugal | 2013 – 2014**

Project: “Training on laboratory techniques for analyzing fish fecundity”

Funding: LLP/ERASMUS, ICPO393, Portugal

Duration: 3 months



SCIENTIFIC VISITS

- **S.O. Conte Anadromous Fish Research Laboratory, Turners Falls, MA, USA | 2022**

Project: “Immunohistochemistry techniques on Alewife kidney tissue”

- **Department of Ecology and Evolutionary Biology, University of Connecticut (UConn), Storrs, CT, USA | 2018**

Project: “Reproductive biology and life history traits of Alewives”

- **Institute of Marine Research (IMR), Bergen, Norway | 2017**

Project: “Stereological analysis techniques in fish reproductive biology”

- **Estación de Hidrobiología "Encoro do Con" (EHEC), Vilagarcía de Arousa, Pontevedra, Spain | 2017**

Project: “Studying the reproductive biology of the fish species *Alosa fallax*”

- **Institute for Coastal Marine Environment of the National Research Council (IAMC-CNR), Capo Granitola, Sicily, Italy | 2013**

Project: “DEPM (Daily Egg Production method) survey”



LAB EXPERIENCE

- Biology & Histology, Microscopy & Image Analysis, Systematics & Biometrics Lab, School of Health Sciences, International Hellenic University, Thessaloniki, Greece (2018 – 2021)
- Histology Lab, School of Biology, Aristotle University of Thessaloniki, Thessaloniki, Greece (2015 – present)
- Schultz FishLab, Department of Ecology and Evolutionary Biology, University of Connecticut, Storrs, CT, USA (2018 & 2022)
- Marine and Environmental Sciences Centre (MARE), Lisbon, Portugal (2017)
- Histology Lab, Department of Ichthyology and Aquatic Environment, University of Thessaly, Volos, Greece (2017)
- Instituto Português do Mar e da Atmosfera (IPMA), Lisbon, Portugal (2013 – 2014)



PUBLICATIONS

Dissertations

- **Mouchlianitis F.A.** (2020). Regulation of fish fecundity types in changing environments: the case of species of the genus *Alosa*. *Doctoral dissertation*. Laboratory of Ichthyology, Department of Zoology, School of Biology, Aristotle University of Thessaloniki, Thessaloniki, Greece
- **Mouchlianitis F.A.** (2015). Fecundity pattern and daily spawning pattern of the Atlantic horse mackerel, *Trachurus trachurus*. *Master's degree dissertation*. Laboratory of Ichthyology, Department of Zoology, School of Biology, Aristotle University of Thessaloniki, Thessaloniki, Greece

- **Mouchlianitis F.A.** (2012). Creation of a database of fossilized fish in the Mediterranean basin. *Bachelor's degree dissertation*. Laboratory of Ichthyology, Department of Zoology, School of Biology, Aristotle University of Thessaloniki, Thessaloniki, Greece

Science Citation Index (SCI) Journals

*Corresponding author

- Garagouni M., Avgerinou G., **Mouchlianitis F.A.**, Minos G., Ganas K. (2022). Questionnaire and experimental surveys show that dolphins cause substantial losses to a gillnet fishery in the eastern Mediterranean Sea. *ICES Journal of Marine Science* 79: 2552-2561
- **Mouchlianitis F.A.***, Schultz E.T., Ganas K. (2022). Seasonal reproductive allocation in landlocked Alewife *Alosa pseudoharengus*, in the context of niche construction and eco-evolutionary feedbacks. *Ecology of Freshwater Fish* 31: 701-709
- **Mouchlianitis F.A.***, Kalaitzi G., Kleitou P., Savva I., Kletou D., Ganas K. (2022). Reproductive dynamics of the invasive lionfish (*Pterois miles*) in the Eastern Mediterranean Sea. *Journal of Fish Biology* 100: 574-581
- Tsakoumis E., Tsoulia T., Feidantsis K., **Mouchlianitis F.A.**, Berillis P., Bobori D., Antonopoulou E. (2021). Cellular stress responses of the endemic freshwater fish species *Alburnus vistonicus* Freyhof & Kottelat, 2007 in a constantly changing environment. *Applied Sciences* 112: 11021
- **Mouchlianitis F.A.***, Bobori D., Tsakoumis E., Sapounidis A., Kritikaki E., Ganas K. (2021). Does fragmented river connectivity alter the reproductive behavior of the potamodromous fish *Alburnus vistonicus*? *Hydrobiologia* 848: 4029-4044
- **Mouchlianitis F.A.**, Schultz E.T., C. dos Santos Schmidt T., Davis J.P., Ganas K. (2021). Ovarian dynamics and fecundity regulation in blueback herring, *Alosa aestivalis*, from the Connecticut River, US. *Journal of Applied Ichthyology* 37: 64-72
- **Mouchlianitis F.A.***, Minos G., Ganas K. (2020). Timing of oocyte recruitment within the ovulatory cycle of Macedonian shad, *Alosa macedonica*, a batch spawning fish with indeterminate fecundity. *Theriogenology* 146: 31-38
- **Mouchlianitis F.A.***, Belo A.F., Vieira A.R., Quintella B.R., Almeida P.R., Ganas K. (2019). Primary and secondary oocyte growth dynamics in anadromous semelparous Allis shad *Alosa alosa*. *Journal of Fish Biology* 95: 1447-1456
- **Mouchlianitis F.A.**, Nunes C., Costa A.M., Angélico M.M., Ganas K. (2018). Preovulatory follicle growth dynamics indicates daily spawning synchronicity in wild-caught Atlantic horse mackerel off Portugal. *Aquatic Living Resources* 31: 11
- Bobori D., Tsakoumis E., **Mouchlianitis F.A.**, Antonopoulou E., Ganas K. (2018). Growth and reproductive ecology of the endemic freshwater fish *Alburnus vistonicus* Freyhof & Kottelat, 2007 (Actinopterygii: Cyprinidae) in Lake Vistonis system, Northern Greece. *Acta Zoologica Bulgarica* 70: 569-574
- Ganas K., **Mouchlianitis F.A.**, Nunes C., Costa A.M., Angélico M.M. (2017). A reassessment of the fecundity type of Atlantic horse mackerel (*Trachurus trachurus*) in Atlantic Iberian waters (ICES division IXa) shows that indeterminate spawners can cease recruiting oocytes during their spawning season. *ICES Journal of Marine Science* 74: 31-40
- Ganas K., Divino J.N., Gherard K.E., Davis J.P., **Mouchlianitis F.**, Schultz E.T. (2015). A Reappraisal of Reproduction in Anadromous Alewives: Determinate versus Indeterminate Fecundity, Batch Size, and Batch Number. *Transactions of the American Fisheries Society* 144: 1143-115

Technical Reports

- **Mouchlianitis F.A.** (2022). AMBER Barrier Tracker: Using Citizen Science to Track Barriers in Europe. World Fish Migration Foundation
- **Mouchlianitis F.A.** (2022). Dam Removal Progress 2021. World Fish Migration Foundation
- Bobori D.C., Leonardos I., Gantias K., Sapounidis A., Petriki O., Ntislidou C., **Mouchlianitis F.A.**, Tsakoumis M., Poluzou C. (2015). Study and management proposals for the two endemic and under extinction fish species of lakes Vistonida and Mitrikou (*Alosa vistonica* and *Alburnus vistoncus*). *Final Technical Report, Aristotle University of Thessaloniki* (In Greek)

Translations

- “Aquaculture: Farming Aquatic Animals and Plants”, John S. Lucas, Paul C. Southgate, Craig S. Tucker (Editors), Publisher: Konstadaras, 2021 (in Greek)



PRESENTATIONS

*Speaker

- Angélico M.M., Gantias K., **Mouchlianitis F.A.**, Henriques E., Mendes H., Nunes C. (2022). DEPM surveys of Horse Mackerel (*Trachurus trachurus*) from the Atlantic Iberia-southern stock (ICES 9a). *ICES-PICES Small Pelagic Fish Symposium*, Lisbon, Portugal, 07-11/10/2022
- **Mouchlianitis F.A.**, Garagouni M., Gantias K., Minos G. (2022). Catching size and reproductive state of the most common fishes caught by gillnets in the small-scale fishery of Thermaikos Gulf. *18th Hellenic Conference of Ichthyologists*, Mesologgi, Greece, 03-06/11/2022
- Garagouni M., **Mouchlianitis F.A.**, Avgerinou G., Minos G., Gantias K. (2022). Bottlenose dolphin depredation damage profile in a gillnet fishery in the Thermaikos Gulf. *18th Hellenic Conference of Ichthyologists*, Mesologgi, Greece, 03-06/11/2022
- Garagouni M., **Mouchlianitis F.**, Avgerinou G., Minos G., Gantias K. (2022). Bottlenose dolphin depredation impacts on the Thermaikos gulf gillnet fishery based on experimental fishing and questionnaire data. *Marine and Inland Waters Research Symposium 2022*, Argolida, Greece, 17/09/2022
- Garagouni M., **Mouchlianitis F.A.**, Avgerinou G., Karydas T., Minos G., Gantias K. (2022). Gear damage profile caused by bottlenose dolphin depredation of bottom-set gillnets in the Northern Aegean Sea. *4th World Small-Scale Fisheries Congress Europe*, Malta, 12-14/09/2022
- Schultz E.T., Gantias K., **Mouchlianitis F.A.**, Sprankle K. (2022). Counting eggs before they hatch: reproductive seasonality of Blueback Herring. *Southern New England Chapter American Fisheries Society*, University of Rhode Island Bay Campus, Narragansett, Rhode Island, USA, 21/06/2022
- **Mouchlianitis F.A.***, Schultz E., Gantias K. (2021). Anadromous versus landlocked Alewife: Intraspecific comparison of ovarian dynamics. *Southern New England Chapter American Fisheries Society Virtual Summer Science Meeting*, USA, 28/06/2021
- **Mouchlianitis F.A.***, Alexiadou A., Minos G., Gantias K. (2019). Spawning strategy and fecundity type of the Macedonian shad, *Alosa macedonica*, of Lake Volvi. *17th Hellenic Conference of Ichthyologists*, Heraklion, Greece, 31/10-03/11/2019
- Gantias K., Charitonidou K., dos Santos Schmidt T., Alix M., **Mouchlianitis F.A.***, et al. (2018). A joint effort across marine laboratories for improving spawning frequency estimations in fishes. *ICES WGALES (Working Group on Atlantic Fish Larvae and Eggs Surveys)*, Lyngby, Denmark, 22-26/10/2018

- **Mouchlianitis F.A.**, Schultz E.T., Ganas K. (2018). Spawning modality and fecundity of Blueback herring. *Symposium: American Shad and River Herring: Research, Monitoring, and Challenges to Effective Management of Three Alosine Species of Conservation Concern on the Atlantic Coast, 148th Annual Meeting of the American Fisheries Society*, Atlantic City, New Jersey, USA, 19-23/08/2018
- **Mouchlianitis F.A.***, Davis J., Ganas K., Schultz E. (2018). Distinction of migration status and spawning phase of Blueback herring. *Southern New England Chapter American Fisheries Society Summer Science Meeting*, University of Rhode Island, Graduate School of Oceanography Bay Campus Narragansett, Rhode Island, USA, 28/06/2018
- **Mouchlianitis F.A.***, Ganas K., Nunes C., Costa A.M., Angélico M.M. (2016). A simple microscopic marker in the assessment of preovulatory horse mackerel (*Trachurus trachurus*) ovaries. *ICES WGALES (Working Group on Atlantic Fish Larvae and Eggs Surveys)*, Thessaloniki, Greece, 17-21/10/2016
- Ganas K., **Mouchlianitis F.A.**, Nunes C., Costa A.M., Angélico M.M. (2016). Can indeterminate spawners cease recruiting oocytes during their spawning season? The case of horse mackerel (*Trachurus trachurus*) stock in the Atlantic Iberian waters. *ICES WGALES (Working Group on Atlantic Fish Larvae and Eggs Surveys)*, Thessaloniki, Greece, 17-21/10/2016
- Nunes C., Ganas K., Costa A.M., Pinto D., Henriques E., **Mouchlianitis F.A.**, Angélico M.M. (2016). Daily spawning periodicity in Northeast Atlantic horse mackerel (*Trachurus trachurus*). *ICES WGALES (Working Group on Atlantic Fish Larvae and Eggs Surveys)*, Thessaloniki, Greece, 17-21/10/2016
- **Mouchlianitis F.A.***, Ganas K., Tsakoumis E., Sapounidis A., Bobori D. (2016). Study of the reproductive biology of *Alburnus vistonicus*. *16th Hellenic Conference of Ichthyologists*, Kavala, Greece, 06-09/10/2016
- Tsakoumis E., Sapounidis A., **Mouchlianitis F.A.**, Antonopoulou E., Koutrakis E., Bobori D. (2016). Age and growth of the species *Alburnus vistonicus* Freyhof & Kottelat, 2007 in the lotic ecosystems of the National Park of East Macedonia – Thrace. *16th Hellenic Conference of Ichthyologists*, Kavala, Greece, 06-09/10/2016
- **Mouchlianitis F.A.***, Ganas K., Nunes C., Costa A.-M., Angélico M.M. (2015). Daily spawning pattern of the southern stock of horse mackerel (*Trachurus trachurus*) in the Northeast Atlantic. *11th Panhellenic Symposium of Oceanography & Fisheries: Aquatic Horizons – Challenges & Perspectives*, Mytilene, Greece, 13-17/05/2015
- **Mouchlianitis F.A.***, Ganas K., Nunes C., Costa A.-M., Angélico M.M. (2015). Seasonal fecundity pattern of the southern stock of horse mackerel, *Trachurus trachurus*, in the Northeast Atlantic. *11th Panhellenic Symposium of Oceanography & Fisheries: Aquatic Horizons – Challenges & Perspectives*, Mytilene, Greece, 13-17/05/2015
- Angélico M.M., Costa A.M., Ganas K., Henriques E., **Mouchlianitis F.A.**, Nunes C. (2015). Developments regarding daily spawning pattern of the southern stock horse mackerel, *Trachurus trachurus*. *ICES WGMEGS (Working Group on Mackerel and Horse Mackerel Egg Surveys)*, Copenhagen, Denmark, 20-24/04/2015
- Ganas K, **Mouchlianitis F.A.**, Nunes C., Costa A.M., Angélico M.M. (2014). Seasonal drop in total fecundity does not imply determinacy for the southern stock of horse mackerel (*Trachurus trachurus*) in the Northeast Atlantic. *ICES WGACEGG (Working Group on Acoustic and Egg Surveys for Sardine and Anchovy in ICES Areas VII, VIII and IX)*, Vigo, Spain, 17-21/11/2014
- Ganas K., Divino J., Davis J.P., Gherard K., **Mouchlianitis F.A.**, Schultz E.T. (2014). Batch fecundity and batch number in River Herring. *144th Annual Meeting of the American Fisheries Society*, Quebec City, Canada, 17-21/08/2014



REVIEWER EXPERIENCE

Journal	Impact Factor
Frontiers in Marine Science	5.247
Scientific Reports	4.379
Sustainability	3.889
Biological Invasions	3.605
Fishes	2.385
Turkish Journal of Fisheries and Aquatic Sciences	1.264



ORGANIZATIONAL MEMBERSHIPS

International Council for the Exploration of the Sea (ICES) | 2016 – present

Role: Member of the Working Group on Atlantic Fish Larvae and Eggs Surveys (WGALLES)



PERSONAL SKILLS

Computer Skills

- Python (Programming language):
 - Diploma in: Data Science with Python (2021), National and Kapodistrian University of Athens, Greece
- AutoCAD (Computer-aided design software):
 - Certificate: ict Europe AutoCAD 2D (2014)
- IT Skills:
 - University of Cambridge International Diploma (2012):
 - Modules: Electronic Communication, Databases, Spreadsheets, Word Processing, Using the Computer and Managing Files, Presentations
- R (Software environment for statistical computing and graphics)
- Image J (Image processing and analysis software)
- QGIS (Geographic information systems)

Languages

- English:
 - iBT TOEFL, Total score: 111/120 (2013)
 - The University of Michigan Certificate of Proficiency in English (2004)
- German:
 - Goethe – Institut Zertifikat Deutsch (2004)



VOLUNTEER WORK

- World Fish Migration Foundation (2019 – 2021)
- Volunteer translator for the World Fish Migration Day 2020: “Yuru and Ara: A story at the Mamore River” (in Greek) (2020)
- NGO Kallisto, Environmental Organization for Wildlife and Nature, Greece (2013)

Project: “Ecotourism Trails – Differentiation of tourist product: Ecotourism trails in the cross-border area for the promotion of alternative tourism”