

# Vasiliki Nikiforidou

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## Education

### University of Thessaly (U.Th.), Volos/Greece

- MSc, Sustainable Management of Aquatic Environment, Department of Agriculture, Ichthyology and Aquatic Environment (October 2018- October 2019)
- Integrated master's degree, Department of Agriculture, Ichthyology and Aquatic Environment (September 2017- June 2018)
- Bachelor's degree, Department of Agriculture, Ichthyology and Aquatic Environment (September 2013- June 2017)

## Experience

### *Research*

- **National Fisheries Data Collection Project:** Section of the Processing of Biological Samplings, Institute of Marine Biological Resources and Inland Water, Hellenic Center for Marine Research (July 2020-July 2021, May 2022-present)  
**Research Director:** George Tserpes **Primary Investigator:** Chryssi Mytilineou, Research Associate Scientist A' & Katerina Anastasopoulou, Research Associate Scientist B'  
**Brief summary:**
  - Aim of the project: Collection of data on the exploitation of fisheries resources and conclusions about the state of fish stocks and the marine ecosystem in general
  - Field Samplings
  - Biometric measurements of fish and histological fish section towards sexual maturity identification and cranial otolith extraction
  - Stereoscopic analysis of otoliths and age correlation using Image-Pro Plus software
  - Data entry in the national fisheries data bank
  - Statistical analysis, mathematical models
  - Collection of questionnaires for amateur fishermen**Role:** Main investigator, participation in all stages of work to be published related to the program and supervision in undergraduate thesis
- **PANDORA:** Institute of Marine Biological Resources and Inland Water, Hellenic Center for Marine Research (July 2021-January 2022)  
**Research Director:** George Tserpes **Primary Investigator:** Dimitrios Damalas, Principal Researcher  
**Brief summary:**
  - Aim of the project: To unlock the potential for maximized long-term yields for European fishing communities
  - Processing and analysis of biological data of fish
  - Determination of sexual maturity and age
  - Study and bibliographic review of the life cycle of demersal species
  - Participation in fishery sampling, data collection and questionnaires for professional / amateur fishermen
  - Participation in the writing of the deliverables of the program (technical reports, scientific works)**Role:** Main investigator, participation in all stages of work to be published related to the program and supervision in undergraduate thesis
- **Master's Thesis: Morphometric measurement and Ca/P levels of sea bass vertebrae:** University of Thessaly, Department of Agriculture, Ichthyology and Aquatic Environment (February 2019- September 2019)  
**Primary Investigator:** Panagiotis Berillis, Assistant Professor of Aquatic and Marine Pathology U.Th.

**Associate Investigator:** Stefanos Zaoutsos, Professor of Materials Strength TEI of Thessaly & Pantelis Katharios, Researcher, Hellenic Centre for Marine Research (HCMR)

**Brief summary:**

- Three age classes of sea bass
- Measurement of the biometrics of their vertebrae
- Measuring calcium and phosphorus levels in their vertebrae with a SEM (Scanning electron microscope)
- Statistical analysis

**Role:** Main investigator, leading the research

- **Bachelor's Thesis: Measurement of biometric data of the skull and daily correlation of fat loss of the *Physeter macrocephalus* bones:** University of Thessaly, Department of Agriculture, Ichthyology and Aquatic Environment (October 2016- June 2018)

**Primary Investigator:** Dimitrios Vafeidis, Professor of Marine Biodiversity U.Th.

**Associate Investigator:** Athanasios Exadactylos, Associate Professor of Aquatic Animal Genetics U.Th.

**Brief summary:**

- Exhumation and harvesting of *Physeter macrocephalus* bones in the field of research
- Technical exploration and optimization regarding bone preservation and cleaning
- Identification of each bone and measurement of their biometric data

**Role:** Main investigator, part of the team consisting of 8 undergraduate students leading the research

### **Laboratory Skills**

- Histological fish section
- Incineration of fish vertebrae
- Spectrometry
- Colorimetry
- Scanning Electron Microscope (SEM)
- Transmission Electron Microscope (TEM)
- X-ray spectroscopy method (EDS)
- Image-Pro Plus software
- SmartDots software
- Kjeldahl Method
- Winogradsky columns
- Fish bone cleaning operation
- Biometric measurements of fish and fish bones
- Real Time PCR
- FISAT II
- Statistical analysis: Origin Pro 8, Statgraphics, ANOVA, SPSS

### **Work History**

- Research Assistant on the DCF, MEDITS and PANDORA projects, Institute of Marine Biological Resources and Inland Water, Hellenic Center for Marine Research Athens/Greece (July 2020-present)
- Ichthyologist, practical training for PREDOMAR S.L., pre-growing unit of sea bream and sea bass, Carboneras/Almeria/Spain (May -August 2017)
  - Control of physicochemical parameters (O<sub>2</sub> dissolved, temperature, etc.)
  - Fish feed and fish handling
  - Malformation control and handling
  - Fish vaccination
  - Control of biological parameters (middle weight, fish conditions according to client's request)
  - Facility disinfection
  - Working shifts
  - Fish loading

- Ichthyologist, practical training in the Department of Fisheries, Prefecture of Kavala/Greece (July-August 2016)
- Fishing laws
- Has worked as a waitress in coffee shops and as a columnist in an electronic magazine Kavala, Volos, Larisa/Greece (June 2014-September 2019)

### Original Publications

- **Nikiforidou V.**, Gkikas E., Mytilineou Ch., Koutsoubas D., Anastasopoulou A. (2022). "Age, growth, and otolith morphometrics of *Serranus hepatus* (L., 1758) in two stocks of the Eastern Mediterranean" *Journal of the Marine Biological Association of the United Kingdom*, (Submitted, 06/05/2022).
- **Nikiforidou V.**, Zaoutsos S., Vlahos N., Berrilis P. (2020). "Vertebrae Morphometric Measurement and Ca/P Levels of Different Age European Seabass (*Dicentrarchus labrax*)" *Fishes* 5, no. 4:37  
<https://doi.org/10.3390/fishes5040037>

### Abstracts Accepted for Oral Presentation

- **Nikiforidou V.**, Anastasopoulou A., Mytilineou Ch. (2022). "Age and growth of *Boops boops* (L., 1758), in the Ionian and South Aegean Seas." Marine and Inland Waters Research Symposium- former Panhellenic Symposium on Oceanography & Fisheries 2022, 16-20 September 2022, Porto Heli, Argolida, Greece (Submitted)
- **Nikiforidou V.**, Zaoutsos S., Vlahos N., Berrilis P. (2021) "Morphometric Measurement and Ca/P Levels of Seabass (*Dicentrarchus labrax*) Vertebrae". 4<sup>th</sup> INTERNATIONAL CONGRESS ON APPLIED ICHTHYOLOGY & AQUATIC ENVIROMENT-HYDROMEDIT 2021- November 2021-Mytilene-Greece, pp. 191-195.

### Abstracts Accepted for Poster Presentation

- **Nikiforidou V.**, Mytilineou Ch., Anastasopoulou A. (2022). "Morphometric measurements of *Pagellus bogaraveo* (Brünnich, 1768) otoliths in the Greek Seas." Marine and Inland Waters Research Symposium- former Panhellenic Symposium on Oceanography & Fisheries 2022, 16-20 September 2022, Porto Heli, Argolida, Greece (Submitted)
- **Nikiforidou V.**, Gkikas E., Mytilineou Ch., Koutsoubas D., Anastasopoulou A. (2021). "Morphometric Measurements of *Serranus hepatus* (L., 1758) Otoliths in the Greek Seas". 4<sup>th</sup> INTERNATIONAL CONGRESS ON APPLIED ICHTHYOLOGY & AQUATIC ENVIROMENT-HYDROMEDIT 2021- November 2021-Mytilene-Greece, pp. 536-537.

### Conferences and Workshops

- Future Participation in the Greek Red Lists-IUCN
- Participation in Subregional Committee for the Central Mediterranean (SRC-CM), including a WGMSE session on small pelagic, Blackspot seabream and common dolphinfish fisheries, April 2022-Virtual
- Participation in Subregional Committee for the Central Mediterranean (SRC-CM), including a WGMSE session on demersal, common dolphinfish and deep-water red shrimp fisheries, April 2022-Virtual
- Participation in Working Group on Small-Scale Fisheries (WGSSF)- co-organized by the GFCM and FAO, March 2022-Virtual
- Participation in Virtual training course on the identification and handling of vulnerable species incidentally caught during fishing operations in the Mediterranean and the Black Sea-co-organized by the GFCM and RCG Med&BS, in the context of the Medbycatch Project and the EU Data Collection Framework, February 2022-Virtual
- Participation in ICES-WKARHOM4-Workshop on Age Reading of Horse Mackerel, Mediterranean Horse Mackerel and Blue Jack Mackerel (*Trachurus trachurus*, *Trachurus mediterraneus*, *Trachurus picturatus*), October-November 2021
- Certificate HydroMedit 2021, 4<sup>th</sup> INTERNATIONAL CONGRESS ON APPLIED ICHTHYOLOGY & AQUATIC ENVIROMENT-HYDROMEDIT 2021-Virtual
- Participation in ICES-WKAMDEEP3-Workshop on Age Estimation Methods of Deep-Water Species, January-March 2020
- Climate Change and Blue Growth-new perspectives and trends-2020-web conference
- NASA Space Apps Challenge, 2019-Volos-Greece

- Certificate HydroMedit 2018, 3<sup>d</sup> INTERNATIONAL CONGRESS ON APPLIED ICHTHYOLOGY & AQUATIC ENVIROMENT-HYDROMEDIT 2018-Volos-Greece
- Workshop's Certification "Sustainability policies and protected areas", 2018-Volos-Greece
- Participation Certificate of 16th Pan- Hellenic Fisheries Conference on Water Ecosystems: Rational Management - Economic Development, 2016- Kavala- Greece
- Certificate of Participation Workshop presentation of E.P.AL. project results 2007-13, 2015-Volos-Greece
- Participation Certificate of 11th Pan-Hellenic Symposium on Oceanography and Fisheries 2015-Mytilene-Greece
- Certificate HydroMedit 2014, 1<sup>st</sup> INTERNATIONAL CONGRESS ON APPLIED ICHTHYOLOGY & AQUATIC ENVIROMENT-HYDROMEDIT 2014-Volos-Greece

### Languages

- **Greek:** Native language
- **English:** Level C1
- **Spanish:** Level B2

### Additional Skills

- First Aid Diploma from the Greek Red Cross (2020)
- European Computer Driving License (ECDL) (2019)
- Word processing- Microsoft Word 2016
- Spreadsheets- Microsoft Excel 2016
- Internet Applications- Microsoft Outlook 2016 & IE 11
- Diving Diploma, PADI Open Water Diver (2015)
- Driver's license (2015)

### Voluntary actions and extracurricular activities

- Blood donor, National Blood Donation Center, Greece (May 2020-present)
- Crew on offshore racing boats, Gulf of Pagasitikos (November 2018)
- Sailboat crew at SailwithUs Company, Gulf of Pagasitikos (November 2018)
- Volunteer work as a radio producer at the University of Thessaly radio station, yUTH-radio.com, Volos/ Greece (September 2016-November 2019)
- Volunteer work as a columnist in Athens, Athensvibe. gr, Athens/Greece (January 2018- May 2018)
- Volunteer work as a dance teacher in Kavala, Dance Academy Kavala/Greece (September 2012- May 2013)
- Tree planting in Kavala/ Greece
- Participation in 3 environmental projects, Soufli, Stylida, Edessa/ Greece
- Dancing (1998-2013)
- Psychology books
- Literature books