

Evangelos Tzanatos – Curriculum Vitae

Personal data

Date of birth: 30-05-1976
Current position: Lecturer (Marine Ecology – Fisheries Management), Department of Biology, University of Patras, Greece
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Profile

My PhD was on the structure, typology and management of small-scale fisheries. My research interests span fish ecology, marine ecosystem functioning and conservation, fisheries methodology, fisheries management and anthropogenic effects on marine ecosystems. In the last years, the focus of my research has been the development of methodologies for the Ecosystem Approach to Fisheries.

Summary

Current position: Lecturer (Marine Ecology – Fisheries Management), Department of Biology University of Patras

Academic titles: BSc (1999), MSc (2002), PhD (2006)

Professional experience: 2004-2006, 2007-to date

Past affiliations: Hellenic Centre for Marine Research, University of Patras, Technological Educational Institute of Messologgi

Number of international/national research projects involved: 8/10

Peer-reviewed articles in international scientific journals of the SCI: 16

Announcements in congresses and symposia (international/national): 10/19

h-index (Web of Science –WoS): 8

Citations WoS / Scopus / Google Scholar: 259 / 305 / 407

WoS Researcher ID: [A-7693-2013](https://orcid.org/0000-0001-9972-9632) *orcid-ID:* orcid.org/0000-0001-9972-9632

Education and training

- 2/2010: Training school: Stock Assessment (advanced). International Council for the Exploration of the Sea (ICES, Copenhagen, Denmark)
- 10/2006: PhD in Biology (Department of Biology, University of Patras, Greece).
Thesis title: Structure, characteristics and management of small-scale fisheries in Greece
- 2/2002: MSc in Environmental Biology and Management of Terrestrial and Aquatic Ecosystems (Department of Biology, University of Patras, Greece).
Dissertation title: Comparative study of the usage of the plankton nets Bongo and WP2 in fish stock assessment
- 9/1999: BSc in Biology (Department of Biology, University of Patras, Greece)

Languages

Greek (native speaker), English (excellent), French (good), Spanish (good), Italian (poor)

Computer skills

MS Office, CorelDRAW, SPSS, S-PLUS, StatGraphics, C++, R (including FLR)

Employment

- 1/2011-to date: Lecturer. Department of Biology, University of Patras (Patras, Greece)
- 10/2007-8/2010: Post-doc research associate. Institute of Marine Biological Resources, Hellenic Centre for Marine Research (Crete, Greece).
- 6/2007-9/2007: Post-doc research associate. Department of Biology, University of Patras (Patras, Greece).
- 1/2005-6/2006: External collaborator for fisheries data collection. Institute of Marine Biological Resources, Hellenic Centre for Marine Research (Crete, Greece).
- 9/2004-6/2006: Laboratory collaborator (teaching laboratory and theoretical courses). Department of Aquaculture and Fisheries, Technological Educational Institute of Mesologgi (Mesologgi, Greece).

Research experience

A. Project coordination

- 2016-to date: Biological traits analysis of fisheries resources: From populations to the Ecosystem Approach to Fisheries Management (BATFISH). Funding: Karatheodoris Institution (Academic Institution-Patras, Greece), 30000 €
- 2014: Fisheries study in the wider area of the island Gyaros. Funding: WWF-Hellas (as part of the LIFE+ project CYCLADESLIFE), 31980 €

B. Professional participation as a member of the scientific team

- 2016: Identification, Consequences and Management of the anoxic zone of Amvrakikos Gulf (NW Greece). Funding: EEA grants
- 2013: Monitoring of habitat types and fauna and flora species of the Directives 92/43 and 79/409. Funding: Management Body of Messologgi (Greece)
- 2012: Technical and support interventions for the reconstitution of the European eel stock in areas of enterprise activities. Funding: Public Electricity Company (Greece)
- 2009-2010: Judgement and Knowledge in Fisheries Including Stakeholders (JAKFISH). Funding: EU project
- 2008: Scenaria of exploitation of demersal stocks by trawlers in areas with a narrow continental shelf: The case of the southern Aegean Sea. Funding: Ministry of Rural Development and Foods (Greece)
- 2008: National Fisheries Data Collection Program. Funding: EU-National Project
- 2007-2008: Operational Evaluation Tools for Fisheries Management Options (EFIMAS). Funding: EU project
- 2007: Fisheries in the Cyclades in the framework of the Green Paper for European fisheries. Funding: Region of South Aegean (Greek Regional project)

C. Participation in research projects as a postgraduate student

- 2005-2006: Small scale coastal fisheries in Europe. A comparative approach. Funding: EU project
- 2003-2005: Encourager la pêche responsable dans l'ensemble du bassin Méditerranéen pour limiter les menaces du changement climatique – H2O. INTERREG IIIB –MEDOCC. Funding: EU project
- 2003-2005: ANREC - Association of Physical and Biological processes acting on Recruitment and post-recruitment of anchovy. Funding: EU project
- 2002-2003: Development of a typology of Greek professional small-scale coastal fishermen based on fisheries, economic and social elements Funding: Ministry of Agriculture (Greece)
- 2001-2002: The swordfish fishery in the Mediterranean. Funding: EU project
- 2000-2001: Project for the application of a monitoring system of eel stocks (for all stages of production) in Greece. Funding: Ministry of Agriculture (Greece)
- 2000-2001: Comparative study of the Patraikos and Korinthiakos Gulf. Funding: Karatheodoris Institution (Academic Institution-Patras, Greece)
- 1999-2001: Evaluation of the Southern Greek Sardine Stock (Contract No 98/039). Funding: EU project

Research interests

- Fish ecology

- Functioning and conservation of marine ecosystems
- Analysis methodology and management of fisheries
- Anthropogenic effects on marine ecosystems

Teaching

A. Department of Biology, University of Patras

Undergraduate courses (participation in teaching, lectures and laboratory courses)

- Animal Biology I (2013-to date)
- Animal Biology II (2014-to date)
- Ecology I (2011-to date)
- Marine Ecology (2011-to date)
- Ichthyology (2011-to date)
- Computer Applications in Biology (2012-2014)

Postgraduate courses (participation in teaching, lectures)

- Fish Stocks Dynamics & Management of Marine Living Resources (2012-to date)
- Sampling Design, Analysis of Environmental Data and Ecological models (2012-to date)

B. Department of Biology, University of Crete

(participation in teaching, lectures)

Undergraduate courses: Fisheries Biology (2011-2014)

Postgraduate courses: Fish Stock Dynamics & Management (2007-2014)

C. Department of Aquaculture and Fisheries, Technological Educational Institution of Messologgi

(lectures and laboratory courses)

- Fisheries Technology and Fishing Vessels (2004-2006)
- Elements of the Biology of Marine Organisms (2004-2006)
- Freshwater Aquaculture (2004-2005)

Other professional activities

A. Research cruises

Participation in eight research cruises (oceanography and/or fisheries, more than 100 days at sea). Work: mesozooplankton sampling, fish eggs and larvae sampling, pelagic trawl sampling, fish length, weight and reproductive maturity measurements from experimental trawl fishing.

B. Field work and other sampling

- On-board sampling from commercial fishing vessels (trawl, purse seine, drifting longlines, small-scale fisheries, more than 180 days at sea)
- Sampling from fish-wharfs and ports for landings biomass, length and weight frequencies

C. Reviewing for journals (28 reviews)

Marine Ecology Progress Series, ICES Journal of Marine Science, Fisheries Research, Hydrobiologia, Estuarine, Coastal and Shelf Science, Fisheries Management and Ecology, Reviews in Fish Biology and Fisheries, Regional Environmental Change, PLoS ONE, Marine Biology Research, Scientia Marina, Cahiers de Biologie Marine, Chemistry and Ecology,

Mediterranean Marine Science, Turkish Journal of Fisheries and Aquatic Sciences, Acta Ichthyologica et Piscatoria

D. Student supervision

Completed MSc dissertations: K. Ahtypi, N. Mavraki, M. Koutsidi, A. Lazaris

Completed BSc dissertations: P. Arhakos–Ch. Tsoromokou (TEI of Messologgi). N. Mavraki, M. Koutsidi, A. Lazaris, E. Zikou, A. Charalampaki, M. Sokratous, C. Petropoulou, M. Pappa, E. Grigoriadou, Z. Vaitisi, M. Koumendea (University of Patras).

Participation in the examining committee of 15 BSc dissertations, four MSc dissertations and four PhD theses. Participation in the advisory committee of one PhD.

E. Participation in committees

Scientific Committee – 15th Panhellenic Congress of Ichthyologists of Ministry of Rural Development and Foods

Chapters, books and teaching workbooks

Tzanatos E., Katselis G. (2005): Fisheries Technology & Fishing Vessels, Department of Fisheries and Aquaculture, Technological Educational Institute of Mesologgi, 82 p., Mesologgi

Publications

A. Publications in international SCI journals

1. Sfenthourakis S., Giokas S., **Tzanatos E.** (2004): From sampling stations to archipelagos: investigating aspects of the assemblage of insular biota. *Global Ecology and Biogeography*, 13: 23-35. [↗](#)
2. **Tzanatos E.**, Dimitriou E., Katselis G., Georgiadis M., Koutsikopoulos C. (2005): Composition, temporal dynamics and regional characteristics of small-scale fisheries in Greece. *Fisheries Research*, 73: 147-158. [↗](#)
3. Sfenthourakis S., **Tzanatos E.**, Giokas S. (2006): Species co-occurrence: The case of congeneric species and a causal approach to patterns of species association. *Global Ecology and Biogeography*, 15: 39-49. [↗](#)
4. **Tzanatos E.**, Dimitriou E., Papaharisis L., Roussi A., Somarakis S., Koutsikopoulos C. (2006): Principal socio-economic characteristics of the Greek small-scale coastal fishermen. *Ocean & Coastal Management*, 49: 511-527. [↗](#)
5. **Tzanatos E.**, Somarakis S., Tserpes G., Koutsikopoulos C. (2006): Identifying and classifying small-scale fisheries métiers in the Mediterranean: a case study in the Patraikos Gulf, Greece. *Fisheries Research*, 81: 158-168. [↗](#)
6. **Tzanatos E.**, Somarakis S., Tserpes G., Koutsikopoulos C. (2007): Discarding practices in a Mediterranean small-scale fishing fleet (Patraikos Gulf, Greece). *Fisheries Management & Ecology*, 14: 277-285. [↗](#)
7. **Tzanatos E.**, Somarakis S., Tserpes G., Koutsikopoulos C. (2008): Catch length analysis, relation to minimum landing sizes and management implications from a Mediterranean small-scale fishery (Patraikos Gulf, Greece). *Fisheries Research*, 93: 125-134. [↗](#)
8. Georgiadis M., Papatheodorou G., **Tzanatos E.**, Geraga M., Ramfos A., Koutsikopoulos C., Ferentinos G. (2009): Coralligène formations in the eastern Mediterranean Sea: Morphology, distribution, mapping and relation to fisheries in the southern Aegean Sea (Greece) based on high-resolution acoustics. *Journal of Experimental Marine Biology and Ecology*, 369: 44-58. [↗](#)
9. Tserpes G., **Tzanatos E.**, Peristeraki P., Placenti V., Kell L. (2009): A bioeconomic evaluation of different management measures for the Mediterranean swordfish. *Fisheries Research*, 96: 160-166. [↗](#)

10. Tserpes G., **Tzanatos E.**, Peristeraki P. (2011): Spatial management of the Mediterranean bottom-trawl fisheries; the case of the southern Aegean Sea, *Hydrobiologia*, 670: 160-166. [↗](#)
11. **Tzanatos E.**, Castro J., Forcada A., Matic-Skoko S., Gaspar M., Koutsikopoulos C. (2013): A Metier-Sustainability-Index (MSI25) to evaluate fisheries components: assessment of cases from data-poor fisheries from southern Europe, *ICES Journal of Marine Science*, 70: 78-98. [↗](#)
12. **Tzanatos E.**, Raitsos D. E., Triantafyllou G., Somarakis S., Tsonis A. A. (2014): Indications of a climate effect on Mediterranean fisheries, *Climatic Change*, 122: 41–54. [↗](#)
13. Georgiadis M., Mavraki N., Koutsikopoulos C., **Tzanatos E.** (2014): Spatio-temporal dynamics and management implications of the nightly appearance of Boops boops (Acanthopterygii, Perciformes) juvenile shoals in the anthropogenically modified Mediterranean littoral zone, *Hydrobiologia*, 734:81-96. [↗](#)
14. Pitta E., Kassara C., **Tzanatos E.**, Giokas S., Sfenthourakis S. (2014): Between-island compositional dissimilarity of avian communities, *Ecological Research*, 29:835-841. [↗](#)
15. Koutsidi M., **Tzanatos E.**, Machias A., Vassilopoulou V. (2016): Fishing for function: The use of biological traits to evaluate the effects of multi-species fisheries on the functioning of fisheries assemblages, *ICES Journal of Marine Science*, 73: 1091-1103. [↗](#)
16. Mavraki N., Georgiadis M., Koutsikopoulos C., **Tzanatos E.** (2016): Unravelling the nocturnal appearance of bogue Boops boops shoals in the anthropogenically modified shallow littoral, *Journal of Fish Biology*, 88: 2060-2066. [↗](#)

B. Publications in other peer-reviewed international journals

17. Tserpes G., **Tzanatos E.**, Peristeraki P., Placenti V., Kell L. (2009): Evaluating different management scenarios for the Mediterranean swordfish fishery: A bioeconomic approach. *ICCAT Collective Volume of scientific Papers*, 64: 2079-2092. [↗](#)
18. **Tzanatos E.**, Tserpes G. (2010): Inclusion of stock reproductive potential in the evaluations of management scenarios for the Mediterranean swordfish. *ICCAT Collective Volume of scientific Papers*, 66: 1489-1494. [↗](#)
19. Tserpes G., **Tzanatos E.**, Peristeraki P. (2010): Use of risk analysis for the evaluation of different management strategies for the Mediterranean swordfish stock. *ICCAT Collective Volume of scientific Papers*, 66: 1506-1514. [↗](#)

C. Conferences and symposia

1. Announcements in international (10) and national (19) conferences and symposia with full works or abstracts in conference proceedings
2. Invited speaker “Biodiversity and exploitation of the marine ecosystem”. 8th Panhellenic Conference of Biosciences (2012)