

# Ioannis E. Batjakas

## Contact Address

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## Education

- 1986 Diploma in Fisheries/Aquaculture, Technological Educational Institution, Messolongi, Greece
- 1989 B.A. in Biology/Marine Science, Boston University Marine Program, Boston University, Woods Hole, MA, USA
- 1993 M.Sc. in Marine Biology, University of Massachusetts Dartmouth, MA, USA
- 1998 Ph.D. in Biology/Marine Science, Boston University Marine Program, Boston University, Woods Hole, MA, USA

## Professional Experience

- 1992-1998: Graduate Research Assistant at the University of Victoria, Canada.
- 1991-1994: Graduate Teaching Assistant at the University of Massachusetts Dartmouth, USA
- 1993-1994: Scientific Consultant at Lyons & Zoremba Inc., USA
- 1994: Research Assistant at the Massachusetts General Hospital, USA
- 1994-1995: Scientific Consultant at Cambridge Seven Associates, USA
- 1994-1998: Graduate Teaching Assistant at Boston University, USA
- 1995: Lab Teaching Instructor at Boston University, USA
- 1996: Graduate Research Assistant at Boston University, USA
- 1997: Research Assistant at the Massachusetts Eye and Ear Infirmary, USA
- 1993-1998: Assistant Curator at the MCZ, Harvard University, USA
- 1993-1998: Research Assistant at the MCZ, Harvard University, USA
- 1998: Graduate Teaching Assistant at Harvard University, USA
- 2000-2003: Researcher at the Department of Fisheries Biology, Fisheries Research Institute
- 2003-2010: Adjunct Lecturer at the Department of Marine Sciences, University of the Aegean
- 2005-present: Ichthyologist at the Fisheries Department, Ministry of Agriculture

- 2010-present: Elected (22<sup>nd</sup> June, 2010) Lecturer in Ichthyology at the Department of Marine Sciences, University of the Aegean

### Scientific Interests

- Fish introduction/invasions, Leseptian immigrants
- Feeding and breeding behaviour of fishes
- Predator-prey interactions
- Functional morphology of fishes
- Fisheries biology
- Biodiversity and interactions between fish species in aquatic environments

### Participation in Research Programmes

As a graduate student participated in projects:

- (EMAP-93 & EMAP-96) identifying and recording the fish fauna in freshwater systems in the Northeast USA funded by the American government.
- Comparative feeding efficiency of indigenous and introduced tilapiines from Lake Victoria funded by Gerondelis Foundation, Inc.
- Study of the Greek Fishery Laws funded by Hellenic Resources Institute

In Greece participated in projects:

- “ANREC” Quality of Life & management of Living Resources Project Q5RS-2001, Association of Physical and Biological processes acting on Recruitment and Post-Recruitment stages of Anchovy funded by the 5<sup>th</sup> FP
- “MEDITS GR II, MEDITS GR III, MEDITS GR IV” International bottom trawl survey in the Mediterranean funded by the EU
- “PURSE SEINE” The purse seine landing composition in Eastern and Central Mediterranean Sea funded by the EU
- “FLEET” Study of the fishing fleet of Kalymnos funded by the municipality of Kalymnos
- “TRAPS” Study of the use of fish traps in deepwater fishing for fish, lobsters, and shrimps funded by the municipality of Kalymnos
- Artificial Reefs and Protected Marine Zones in the area from the Vistoniko Gulf to the Cape of Maronia funded by the Greek Ministry of Agriculture
- “ANCHOVY” Study of the anchovy stock based on previous estimations and proposal regarding its management funded by the Greek Ministry of Agriculture
- “FISHSAT” Estimation of migration prototype in medium and large pelagic fish species in Aegean Sea *Εκτίμηση μεταναστευτικού προτύπου μεσαίων και μεγάλων πελαγικών ειδών στο Αιγαίο* funded by the Greek Ministry of Agriculture
- Preliminary study of the octopus biology (*Octopus vulgaris*) at the straits of Mytilene funded by the municipality of Lesvos.
- Study of the Oceanographic and Fishery characteristics in the sea around the island of Psara & Preliminary management plan for a protected area-marine park funded by the municipality of Chios.

## Publications

- **Batjakas, I.E.**, (1993). Comparative feeding efficiency of indigenous and introduced phytoplanktivores in Lake Victoria: I. *Oreochromis ssp.* feeding on green algae, 74<sup>th</sup> Meeting of the American Society of Ichthyologists and Herpatologists, Austin, TX, USA, May, 1993, pp. 79.
- Sanderson, S.L., M.C. Stebar, K.L. Ackermann, S.H. Jones, **I.E. Batjakas**, and L. Kaufman (1996). Mucus entrapment of particles by a suspension-feeding tilapia (Pisces: Cichlidae). *J. of Exp. Biol.* 199: 1743-1756.
- **Batjakas, I.E.**, R.E. Edgar, and L.S. Kaufman (1997). Comparative feeding efficiency of indigenous and introduced tilapiines from Lake Victoria: *Oreochromis esculentus* and *Oreochromis niloticus* feeding on green algae. *Hydrobiologia* 347: 75-82.
- **Batjakas, I.E.**, (1996). Comparative feeding efficiency of indigenous and introduced tilapiines from Lake Victoria. 76<sup>th</sup> Meeting of the American Society of Ichthyologists and Herpatologists, New Orleans, LA, USA, June, 1996, pp. 79.
- Fuerst, P. A., W. Mwanja, **I. E. Batjakas**, G. Booton & L. S. Kaufman (1998). Of Lake Victoria region tilapiines: the isolated and displaced, the shrunk and native, the restricted and exotic, and the expanded and introduced. African Fishes and Fisheries Diversity and Utilisation. Poissons et Peches Africains Diversite et Utilisation, FISA/PARADI, Grahamstown (South Africa), 1998, p. 249.
- Kaufman, L. & **I. E. Batjakas** (1999). Insights from a toy ocean: Invasion dynamics in Lake Victoria and implications for marine coastal waters. Proceedings of the First National Conference on Marine Bioinvasions, Massachusetts Institute of Technology, Cambridge, Massachusetts, USA, p.401.
- Goodrich, J.S., S.L. Sanderson, S.L., **I.E. Batjakas**, and L. Kaufman (2000). Branchial arches of suspension-feeding *Oreochromis esculentus*: sieve or sticky filter? *J. Fish Biol.*, 56 (4): 858-875.
- Merigot, B., **I.E. Batjakas**, & Y. Letourneur (2006). Fish Community structure of two Greek coastal lagoons (Lesvos Island, NE Aegean Sea): Preliminary results. *Cybium*, 30 (1): 79-81.
- Tantanasi, I. & **I. Batjakas** (2006). Omega 3 fatty acids from fish and their effect on human health. 3<sup>rd</sup> World Congress on Quality in Clinical Practice, Thessaloniki Greece, 2006
- Morat, F., D. Banaru, B. Merigot, **I.E. Batjakas**, S. Betoulle, M. Vignon, R. Lecomte-Finiger & Y. Letourneur (2008). Relationships between fish length and otolith length for nine teleost fish species from the Mediterranean basin, Kerguelen Islands, and Pacific Ocean. *Cybium*, 32 (3): 265-269.
- Tantanasi, I., Diakou A., Tamvaki, A & **I. Batjakas** (2008). Human Anisakiosis and a prediction model for *Anisakis* spp. Burden in Mediterranean horse mackerel (*Trachurus trachurus*). 4<sup>th</sup> World Congress on Quality in Clinical Practice, Thessaloniki Greece, 2008.
- Leonardos, I.D, A.C. Tsikliras, **I.E. Batzakas**, A. Ntakos, and V. Liousia (2009). Life-history characteristics of the endangered Aristotle's catfish (*Shilurus aristotelis* Garman, 1890), Lake Pamnrotis, north-western Greece. *J. Appl. Ichthyol.*, 25: 746-751.

- Panteli K., T. Petanidou, P. Doukellis, **I.E.Batjakas**, & D. Pappas (2009). The biological diversity of fish and seafood as reflected in the diet of Mediterranean people in Classical times. ICAF Conference, Crete, 31May-6 June, pp.:46