

# CURRICULUM VITAE

## I. PERSONAL DATA

Family name: KOUTRAKIS  
First name: EMMANUIL (MANOS)  
Father's name: THEODOROS  
Date of birth: 27.03.1963  
Place of birth: ALEXANDROUPOLIS, GREECE  
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Current position: BIOLOGIST-ICHTHYOLOGIST  
SENIOR RESEARCH SCIENTIST,  
FISHERIES RESEARCH INSTITUTE  
HELLENIC AGRICULTURAL ORGANIZATION-NAGREF

**II. FIELDS OF RESEARCH INTEREST:** fisheries biology, fish fauna, fish assemblages, ecohydrology, management of lagoons and wetlands, interaction of cetaceans with fisheries, Integrated Coastal Zone Management (ICZM).

## III. RESEARCH PROJECTS (Selection)

1. Specific Management Plan for the Site Stena Nestou (Natura 2000). (**Project Leader**). *Participants:* Fisheries Research Institute-NAGREF assigned by the Greek Biotope/Wetland Centre. *Funding:* EC (DG XI - LIFE), Greek Ministries of Environment and Agriculture (1996).
2. Concerted actions for the management of Strymonikos Coastal Zone (**Project Leader**). Part of the Integrated Coastal Zone Management (ICZM) – EU Demonstration Programme. *Participants:* Fisheries Research Institute-NAGREF and Greek Biotope/Wetland Centre. *Funding:* EC (DGXI - LIFE96ENV/GR/00564/PAZ), Greek Ministries of Environment and Agriculture (1997 - 2000).
3. Multi-media distance learning package for Eastern Europe on Integrated Coastal Management (**FRI Coordinator**). *Participants:* European Union for Coastal Conservation (NL, Coordinator) NAGREF-FRI (GR), Black Sea Centre for Environmental Information and Education (BG), IHE Delft (NL), RIKZ- Coastal Zone Management Centre (NL), University of Szczecin (PL), Institute for Integral Development and Environment (SI), Department of Environmental Engineering, Akdeniz University (TR) & Southampton Institute (UK). *Funding:* E.C., DG V, Leonardo da Vinci (2000-2002).
4. Study of the present situation and proposals for the improvement of the fisheries management of the Agios Andreas Lagoon in Samothraki (**Project Leader**). *Participants:* Fisheries Research Institute-NAGREF, *Funding:* Municipality of Samothraki, Greece (2000-2002).
5. The sardine net fishery in the Gulf of Kavala (**FRI Coordinator**). *Participants:* Aristotelian University of Thessaloniki, Fisheries Research Institute-NAGREF, Small-scale Fishermen Cooperative of Kavala *Funding:* Greek General Secretary of Research and Technology (2002-2005).
6. The aquatic macrofauna of Cave Aggitis (Maaras, Drama) (**Project Leader**). *Participants:* Fisheries Research Institute-NAGREF, Aristotelian University of Thessaloniki, Greek Speleologic Hellenic Exploratory Organization (SP.EL.E.O.), Hydrobiological Station of Drama. *Funding:* Prefecture of Drama, Region of Macedonia and Thrace (2002-2004).
7. COASTLEARN: Development of transnational networks (**FRI Coordinator**). *Participants:* European Union for Coastal Conservation (NL, Coordinator) NAGREF-FRI (GR), Southampton Institute (UK), Arhipelaag (EE), University of Klapeida (LT), University of Latvia (LV) IHE Delft (NL), RIKZ- Coastal Zone Management Centre (NL), EUCC Poland (PL), University of Szczecin (PL) Institute for Integral Development and Environment (SI), National Institute for Marine Research and Development (RO). *Funding:* E.C., DG V, Leonardo da Vinci. (2003-2005). The

- project was included in the 50 success stories of the Leonardo da Vinci Community Programme: Innovative projects contributing to the Copenhagen Process ([http://www.ec.europa.eu/dgs/education\\_culture/publ/pdf/leonardo/success-stories\\_en.pdf](http://www.ec.europa.eu/dgs/education_culture/publ/pdf/leonardo/success-stories_en.pdf)).
8. Restoration of Drana Lagoon (Evros Delta). Monitoring of abiotic and biotic parameters (**Fish fauna coordinator**). *Funding*: E.P.E.M. S.A. (Ministry of Agriculture) (2004-2005).
  9. INTERCAFE: Conserving biodiversity – Interdisciplinary initiative to reduce pan-European Cormorant fisheries conflict. *Participants*: Forest Research Institute, Fisheries Research Institute-NAGREF. *Funding*: E.C. - COST (2004-2005).
  10. CRAYNET: European crayfish as keystone species-linking science, management and economics with sustainable environmental quality (**National Coordinator**) Université de Poitiers, (France, Coordinator), University of Dublin (Ireland), University of Firenze (Italy), National Board of fisheries (Sweden), University of Innsbruck (Austria), Norwegian Institute for Nature Research (Norway), Museum National d'Histoire Naturelle (France), University of Szczecin (Poland), Finnish Game and Fisheries Research Institute (Finland), Universidad de Leon (Spain) (2004-2005).
  11. LAGOONET: Study on the ecology and the trophic structure of coastal Mediterranean lagoons. *Funding*: Italian Ministry of Research (2005-2006).
  12. INTERFISH: Inventory and study of the fish fauna of the River Nestos and actions for the protection of the fish fauna reserves in the ecosystem. (**Project Leader**). *Funding*: INTERREG IIIC - Prefectural Authority of Drama – Kavala - Xanthi (2006-2008).
  13. BEACHMED-ICZM-MED: Concerted actions, tools and criteria for the integrated coastal zone management of the Mediterranean (**Scientific responsible**). NAGREF-FRI, CIRSA (IT), Litorale SPA (IT), Dip. Di Ecologia e Sviluppo Economico Sostenibile UniTuscia (IT), Università degli Studi di Genova-DIP.TER.IS. (IT), ICCOPS – Landscape Natural and Cultural Heritage (IT), Université de Montpellier 1 CEP/LASER (FR), BRL (FR). *Funding*: EE, INTERREG IIIC – Sud (2006-2008).
  14. Monitoring of surface waters of River Nestos in the frame of the Water Framework Directive. Freshwater fish fauna. (**Scientific responsible**). *Funding*: INTERREG IIIA- Democritus University of Thrace – ENVECO S.A. (2008).
  15. Feasibility study for the construction of fish pass at the irrigation dam of Toxotes, on Nestos River (**Scientific responsible**). *Funding*: Prefectural Authority of Drama – Kavala - Xanthi (2009).
  16. Restoration of the mobility of selected species of the fish fauna of the River Nestos (**Project Leader**). *Funding*: National Electrical Company S.A. (2011-2012).
  17. FIGARO: Flexible and precise irrigation platform to improve farm scale water productivity. KBBE.2012.1.1-03: Precision technologies to improve irrigation management and increase water productivity in major water-demanding crops in Europe. *Χρηματοδότηση*: FP7 Collaborative Project (large-scale integrating project targeted to SMEs) (2012-2015).

#### IV. MAIN SCIENTIFIC PUBLICATIONS (last 10 years)

1. **KOUTRAKIS E.T.**, LAZARIDOU T. & M., ARGYROPOULOU, 2003. Promoting integrated management in the Strymonikos Coastal Zone (Greece): A-step-by-step process. *Coastal Management*, 31: 197-202.
2. **KOUTRAKIS E.T.** & TSIKLIRAS A.C., 2003. Length-weight relationships of fishes from three northern Aegean estuarine systems (Greece). *J. Appl. Ichthyol.*, 19 (4): 258-260.
3. **KOUTRAKIS E.T.**, A.K. KOKKINAKIS, A.C. TSIKLIRAS & E.A. ELEFThERIADIS, 2003. Characteristics of the European bitterling *Rhodeus amarus* in the Rihios River, Greece. *J. Freshwater Ecology*, 18 (4): 615-624.
4. **KOUTRAKIS E.**, 2003. Temporal distribution of grey mullet fry (Pisces, Mugilidae) in the estuarine systems of Strymonikos Gulf (Greece). *J. Appl. Ichthyol.*, 20 (1): 76-78.
5. TSIKLIRAS A.C., **E.T. KOUTRAKIS**, A. KALLIANIOTIS & P.S. ECONOMIDIS, 2003. Massive leaping of *Sardinella aurita* Valenciennes, 1847 under risk of strong predation in northern Aegean Sea. *Journal of Marine and Freshwater Behaviour and Physiology*, 37: 31-34.

6. **KOUTRAKIS E.T.**, 2004. Crayfish from deep inside a European cave. *Crayfish News, The official newsletter of the International Association of Astacology*, 26 (4): 5-6.
7. MITRA S., **KOUTRAKIS E.**, CLARK T. & MILANI C., 2004. Cetacean interaction with small-scale coastal fisheries: implications for conservation and damage limitation in the North Aegean, Greece. *European Research on Cetaceans*, 15: 172-176.
8. **KOUTRAKIS E.**, N.I. KAMIDIS & I.D. LEONARDOS, 2004. Age, growth and mortality of the sand smelt *Atherina boyeri* (Risso, 1810), (Pisces: Atherinidae) in an estuarine system of Northern Greece. *J. Appl. Ichthyol.*, 20 (5): 382-388.
9. **KOUTRAKIS E.**, A. KALLIANIOTIS, & A. TSIKLIRAS, 2004. Temporal patterns of larval fish distribution and abundance in a coastal area of northern Greece. *Scientia Marina*, 68(4): 585-595.
10. **KOUTRAKIS E.T.**, TSIKLIRAS A.C. & SINIS A.I., 2005. Temporal variability of the ichthyofauna in a Northern Aegean coastal lagoon (Greece). Influence of environmental factors. *Hydrobiologia*, 543: 245-257.
11. TSIKLIRAS A.C., **E.T. KOUTRAKIS** & K.I. STERGIIOU, 2005. Age and growth of round sardinella (*Sardinella aurita*) in the northeastern Mediterranean (Aegean Sea, Greece). *Scientia Marina*, 69 (2): 231-240.
12. PERDIKARIS C., **KOUTRAKIS E.T.**, MACCHINO Y., 2005. Overview of Crayfish situation in Greece. *Crayfish News, The official newsletter of the International Association of Astacology*, 27 (4): 5-7.
13. KEHAYIAS G., E. MICHALOUDI and **E.T. KOUTRAKIS**, 2005. Feeding and predation impact of chaetognaths at different seasons in N. Aegean Sea (Strymonikos and Ierissos Gulfs). *J. Mar. Biol. Ass.U.K.*, 85: 1525-1532.
14. **KOUTRAKIS E.T.**, MACHINO Y., KALLIANIOTIS A., & HOLDICH D.M., 2005. *Austropotamobius torrentium* (Schrank, 1803) in the Aggitis Cave (Northern Greece). Is it a cave-dwelling species? *Bull. Fr. Pêche Piscic.*, 376-377: 529-538.
15. SYLAIOS G., **KOUTRAKIS E.** & KALLIANIOTIS A., 2006. Hydrographic variability, water masses dynamics and baroclinic circulation at Strymonikos Gulf, N. Greece. *Continental Shelf Research*, 26: 217-235.
16. **KOUTRAKIS E.T.**, PERDICARIS C., MACCHINO Y. & SAVVIDIS G., 2006. Hellenic national report on crayfish. In: *Atlas of crayfish in Europe*, Souty-Grosset C., Holdich D.M., Noel P., Reynolds J.D., & Haffner P., (eds). Muséum national d'Histoire naturelle, Paris, 187 p. (Patrimoines naturels, 64).
17. **KOUTRAKIS E.**, A. SAPOUNIDIS, V. GIULIANI, F. CERFOLLI, G. NASCETTI, S. MARTINO, M. FABIANO, E. ROCCATAGLIATA, H. REY-VALETTE, S. ROUSSEL, F. BELLET, 2006. Actions concertées, outils et critères pour la mise en oeuvre de la Gestion Intégrée des Zones Côtières (GIZC) Méditerranéennes. In : *BEACHMED-e: La gestion stratégique de la défense des littoraux pour un développement soutenable des zones côtières de la Méditerranée. Cahier Technique Phase A*. INTERREG III C – Sud.76-92 p.
18. **KOUTRAKIS E.** & ECONOMIDIS P.S., 2006. Did Sturgeons return to Evros River, Greece? *Fishing News*, 306: 68-83.
19. ECONOMIDIS P.S. & **KOUTRAKIS E.T.**, 2006. Greek freshwater fish fauna. In: Management of water, flora and fauna in the Greek wetlands. Experience from Life Environment III projects. Sylaios G. (ed.). Prefectural Authority of Drama-Kavala-Xanthi, Xanthi, 85 pp.
20. TSIHRINTZIS V.A., G.K. SYLAIOS, M. SIDIROPOULOU & **E.T. KOUTRAKIS**, 2007. Hydrodynamic modeling and management alternatives in a Mediterranean, fishery exploited, coastal lagoon. *Aquaculture Engineering* 36: 310-324.
21. **KOUTRAKIS E.T.**, PERDICARIS C., MACCHINO Y., SAVVIDIS G., & N. MARGARIS, 2007. Distribution, recent mortalities and conservation measures of crayfish in Hellenic freshwaters. *Bull. Fr. Pêche Piscic.*, 385: 25-44.

22. PERDICARIS C., **KOUTRAKIS E.T.**, SARAGLIDOU V. & N. MARGARIS, 2007. Occurrence of freshwater crayfish *Astacus leptodactylus* (Eschscholtz 1823) in River Evros (Thrace, Greece). *Bull. Fr. Pêche Piscic.*, 385: 45-52.
23. **KOUTRAKIS E.** & MARKOU D., 2007. Vistonis Lake. *In: Water regime and biota: proposed minimum values of lakes water level and of rivers discharge in Macedonia and Thrace, Greece.* Gerakis P.A., Tsiouris S. & Tsiaoussi (Editors). *The Goulandris Natural History Museum/Greek Biotope-Wetland Centre.* Thermi. 50-59 p.
24. **KOUTRAKIS E.** & TSIOURIS S., 2007. Evros River and its delta. *In: Water regime and biota: proposed minimum values of lakes water level and of rivers discharge in Macedonia and Thrace, Greece.* Gerakis P.A., Tsiouris S. & Tsiaoussi (Editors). *The Goulandris Natural History Museum/Greek Biotope-Wetland Centre.* Thermi. 165-176 p.
25. **KOUTRAKIS E.** & MARKOU D., 2007. Nestos River and its delta. *In: Water regime and biota: proposed minimum values of lakes water level and of rivers discharge in Macedonia and Thrace, Greece.* Gerakis P.A., Tsiouris S. & Tsiaoussi (Editors). *The Goulandris Natural History Museum/Greek Biotope-Wetland Centre.* Thermi. 177-188 p.
26. **KOUTRAKIS E.T.**, A. CONIDES, A.C. PARPOURA, E.H. VAN HAM, G. KATSELIS & C. KOUTSIKOPOULOS, 2007. Lagoon Fisheries' Resources in Hellas. Chapter 6, pp. 223-234. *In: Papaconstantinou C., Zenetos A., Vassilopoulou V. & G. Tserpes (eds), State of Hellenic Fisheries.* Hellenic Centre for Marine Research, Athens, Greece.
27. SUBCHEV M., **E. KOUTRAKIS** & C. PERDIKARIS, 2007. Crayfish epibionts *Branchiobdella* sp. and *Hystricosoma chappuisii* (Annelida: Clitellata) in Greece. *Bull. Fr. Pêche Piscic.*, 387: 59-66.
28. LIOUSIA V., LIASKO R., **KOUTRAKIS E.** & I.D. LEONARDOS, 2008. Variation in clones of the sperm-dependent parthenogenetic *Carassius gibelio* (Bloch) in Lake Pamvotis (north-west Greece). *Journal of Fish Biology*, 72: 310-314.
29. SCHNITZLER J.G., **KOUTRAKIS E.T.**, SIEBERT U., THOME J.P., K. DAS, 2008. Effects of persistent organic pollutants on the thyroid function of the European sea bass (*Dicentrarchus labrax*) from the Aegean Sea, is it an endocrine disruption? *Marine Pollution Bulletin*, 56: 1755-1764.
30. **KOUTRAKIS E.T.**, MACHINO Y., MYLONA D. & C. PERDIKARIS, 2009. Crayfish terminology in ancient Greek, Latin and related languages. *Crustaceana*, 82 (12): 1535-1546.
31. ECONOMIDIS P.S., **KOUTRAKIS E.T.**, APOSTOLOU A., VASSILEV M. & PEHLIVANOV L., 2009. Atlas of River Nestos Fish Fauna. Prefectural Authority of Drama – Kavala – Xanthi, Kavala, Greece, 182 pp.
32. TSIKLIRAS A.C., **KOUTRAKIS E.T.**, SYLAIOS G.K., & A.A. KALLIANIOTIS, 2009. Summer distribution of fish larvae in northern Aegean Sea. *J. Mar. Biol. Ass.U.K.*, 89(6):1137-1146.
33. **KOUTRAKIS E.T.** & TSIKLIRAS A., 2009. Reproductive biology of the marbled goby, *Pomatoschistus marmoratus* (Pisces, Gobiidae), in a northern Aegean estuary (Greece). *Folia Zoologica*, 58(4): 447-456.
34. **KOUTRAKIS E.**, SYLAIOS G., KAMIDIS N.I., MARKOU D. & SAPOUNIDIS A., 2009. Fish fauna recovery in a newly re-flooded Mediterranean coastal lagoon. *Estuarine, Coastal and Shelf Science*, Doi: 10.1016/j.ecss.2009.04.032, 83: 505-515.
35. KOUSSOROPLIS A.M., BEC A., PERGA M.E., **KOUTRAKIS E.**, DESVILETTES C. & BOURDIER G., 2010. Lipid class specific fatty acid  $\delta^{13}\text{C}$  patterns during settlement of an estuarine fish: recording a natural diet switch. *Marine Ecology Progress Series Marine Ecology Progress Series –MEPS*, 404: 207-217.
36. **KOUTRAKIS E.T.**, A. SAPOUNIDIS, S. MARZETTI, V. GIULIANI, S. MARTINO, M. FABIANO, V. MARIN, C. PAOLI, E. ROCCATAGLIATA, P. SALMONA, H. REY-VALETTE, S. ROUSSEL, D. POVH, C.G. MALVÁREZ, 2010. Public stakeholders' perception on ICZM, coastal erosion and coastal defence systems. *Coastal Management*, 38 (4): 354-377.

37. TSIKLIRAS A. & **KOUTRAKIS E.** 2010. Summer fish larval assemblages and station groups in northern Aegean Sea. *Acta Adriatica*, 51(1): 9 - 33.
38. **KOUTRAKIS E.T.**, 2011. Reproductive biology of two grey mullet species (Actinopterygii: Mugiliformes) in a Northern Aegean Sea estuarine system. *Acta Ichthyologica et Piscatoria*, 41 (1): 37–46 DOI: 10.3750/AIP2011.41.1.06.
39. **KOUTRAKIS E.**, SAPOUNIDIS A., L. FAVRE-KREY, G. KREY, P.S. ECONOMIDIS. 2011. Incidental catches of Acipenseridae in the estuary of the River Evros, Greece. *J. Appl. Ichthyol.*, 27: 366–368. doi: 10.1111/j.1439-0426.2011.01729.x
40. KOUSSOROPLIS A.M., BEC A., PERGA M.E., **KOUTRAKIS E.**, DESVILETTES C. & BOURDIER G. 2011. Fatty acid transfer in the food web of a coastal Mediterranean lagoon: evidence for high arachidonic acid retention in fish. *Estuarine, Coastal and Shelf Science*, 91: 450-461.
41. DÁVIDOVÁ M., BLAŽEK R., TRICHKOVA T., **KOUTRAKIS E.**, GAYGUSUZ O., ERCAN E. & ONDRAČKOVÁ M. 2011. The role of European bitterling (*Rhodeus amarus*, Cyprinidae) in parasite accumulation and transmission in riverine ecosystems. *Aquatic Ecology*, DOI 10.1007/s10452-011-9361-0.
42. **KOUTRAKIS E.T.**, A. SAPOUNIDIS, S. MARZETTI, V. GIULIANI, S. MARTINO, M. FABIANO, V. MARIN, C. PAOLI, E., H. REY-VALETTE, S. ROUSSEL, D. POVH, C.G. MALVÁREZ, 2009. ICZM and coastal defence perception from beach users: lessons from the Mediterranean coastal area. *Ocean & Coastal Management Journal*, 54: 821-830.
43. **KOUTRAKIS E.T.**, 2011. Fisheries in the lagoons of northern Greece: cultural aspects and indicators of biological integrity. In: *Culture & wetlands in the Mediterranean: an evolving story*, Thymio Papayannis & Dave Pritchard (eds) Med-INA-Mediterranean Institute for Nature and Anthropos, p. 161-171.
44. SAPOUNIDIS A., **KOUTRAKIS E.T.** & LEONARDOS I. 2011. Length-weight relationships of 13 species from a flow regulated Balkan river. *J. Appl. Ichthyol*, 27: 1406-1407.
45. LIOUSIA V., S. BATZIAKAS, N. PANAGIOTOU, I. DAOUTI., E. **KOUTRAKIS**, I. LEONARDOS. 2012. Length-Weight relationships of 22 fish species from the littoral zone of the Eastern Ionian Sea, Greece. *Acta Ichthyologica et Piscatoria*, 42 (1): 69-72. DOI: 10.3750/AIP2011.42.1.09.
46. PLATER A.J., RICE J.C., GLEGG G., HANSSON S., **KOUTRAKIS M.**, MARASOVIC I., MARSHALL C., NORMAN T., OGUZ T., PECKETT F., REES S., RICKARDS L., RODWELL L., TUDOR D. AND VRGOC N., 2011. Review of Existing International Approach to Fisheries Management: The Role of Science in Underpinning the Ecosystem Approach and Marine Spatial Planning. In: Kidd S, Plater A and Frid C (eds). *The Ecosystem Approach to Marine Planning and Management*. London, Earthscan, p.p.131-204. ISBN 978-1-84971-182-1.
47. FRANCO A., A. PÉREZ-RUZAFÁ, P. FRANZOI, **M. KOUTRAKIS**, M. LEPAGE, P. TORRICELLI, BOUCHOUCHA M., DROUINEAU H., A. LÓPEZ-CAPEL, C. MARCOS, J. OLIVA-PATERNA, F. RICCATO, A. SAPOUNIDIS, D. VERDIELL-CUBEDO. 2011. Fish assemblages in coastal lagoon habitats: effect of sampling method. *Estuarine, Coastal and Shelf Science*, 112: 115-125.
48. FONTAINE M.C., SNIRC A., FRANTZIS A., **KOUTRAKIS E.**, BIRKUN A. JR., ÖZTURK B., ÖZTURK A.A., AUSTERLITZ F., 2012. A history of expansion and anthropogenic collapse in a top marine predator of the Black Sea estimated from genetic data. *PNAS-Proceedings of the National Academy of Sciences of the United States of America*. Published online September 4, 2012, E2569–E2576, [www.pnas.org/cgi/doi/10.1073/pnas.1201258109](http://www.pnas.org/cgi/doi/10.1073/pnas.1201258109).
49. DURAND J.-D., BLEL H., SHEN K.-N., **KOUTRAKIS E.T.**, & B. GUINAND. 2012. Genetic structure of flathead mullet (*Mugil cephalus*) populations from Atlantic to Black Sea: The Almeria-Oran Front and Bosphorus Strait are major barriers to gene flow. *Molecular Phylogenetics and Evolution* (Accepted).
50. TSIKLIRAS A. and **E.T. KOUTRAKIS**. 2012. Growth and reproduction of European sardine, *Sardina pilchardus* (Pisces: Clupeidae), in northeastern Mediterranean. *Scientia Marina* (Accepted).

## V. TEACHING EXPERIENCE

- 1987-1992: Laboratory tutoring in the Biology Department of the Aristotelian University of Thessaloniki.
- 1989-1991: Seminars on ichthyology and aquaculture conducted at various localities of Greece, funded by the Ministry of Agriculture and the E.C.
- 1996-2000: Seminars on fisheries, wetlands and Integrated Coastal Zone Management, funded by the Ministry of Agriculture, Ministry of Environment and the E.U.
- 2000-2008: Tutoring in the post-graduate course of the Biology Department of the Aristotelian University of Thessaloniki with the lesson entitled “Integrated Coastal Zone Management”.
- 2008-2009: Tutoring in the post-graduate course of the Veterinary School of the University of Thessaly in association with the Technical University of Epirus, with the lesson entitled “Management of Coastal Ecosystems”
- 2010: Invited speaker at the post-graduate course of the Democritus University of Xanthi (Department of Environmental Engineering) “Management and modelling of environmental systems”. The presentations were entitled: “Management of the lagoon fish fauna”, “Impacts of dams on the river fish fauna” and “ Management of protected areas”.

## VI. WORK EXPERIENCE

- 1990-1993: Scientific advisor (ichthyologist) of the Fishing Co-operative of Lake Volvi. The aim was to improve the fisheries' management of the lake and to establish and run a carp reproduction unit and a cage culture system.
- 1993-1996: Ichthyologist and Communications Officer of the Greek Biotope / Wetland Centre (Goulandris Museum of Natural History).
- 1996-2001: Assistant Research Scientist at the Fisheries Research Institute of Kavala (National Agricultural Research Foundation - NAGREF).
- 2001-2006: Research Scientist at the FRI-NAGREF.
- 2006 -2010: Associate Research Scientist at the FRI-NAGREF.
- 2010 - : Senior Research Scientist at the FRI-NAGREF.

## VII. INTERNATIONAL ACTIVITIES

### *Expert Groups*

1. Expert of Eurostat (Statistical Office of the E.C.) on indicators on the pressure of human activities on the environment (1997-1999).
2. Expert of the E.C. (DG XI) on the Integrated Coastal Zone Management (1997-1999).
3. Expert of the E.C. (DG XII) (5<sup>th</sup> RTD Framework Programme) (1999).
4. Expert of the European Commission (DG XI) for the evaluation of the LIFE Environment proposals (1999, 2001).
5. Participation in the European Commission (DG XIV) evaluation of fisheries or aquaculture related proposals in thematic programme 1: “Quality of Life and Management of Living Resources” (2000, 2001).
6. Species Introductions and Invasive Species in the Mediterranean Sea. United Nations Environment Programme. Mediterranean Action Plan (2002).
7. Expert of the Scientific, Technical and Economic Committee for Fisheries - Subgroup on Research Needs (STECF-SGRN) for the Revision of the Community Regulations 1543/2000 and 1639/2001. European Commission, DG Fisheries, Brussels, 7-11 July 2003.
8. Organizing Committee of the 12<sup>th</sup> Hellenic Ichthyologists Congress (2005).
9. Expert of the Scientific, Technical and Economic Committee for Fisheries - Subgroup on Research Needs (STECF-SGRN), European Commission, DG Fisheries, (2002 - today, two meetings annually).

10. Member of the Scientific, Technical and Economic Committee for Fisheries, STECF), European Commission, DG Fisheries (reserve list for 2007-2010, 2011-2014).
11. Organizing Committee of the 13<sup>th</sup> Hellenic Ichthyologists Congress (2007).
12. Member of the UNESCO Scientific Advisory Committee, SAC, on Ecohydrology and Task Force, TF, on Ecohydrology (2006- today).
13. Editorial Committee of the Transitional Waters Bulletin (International Electronic Journal, CIBA, Coordination University of Lecce) (since 2007).
14. Pan-Hellenic Organizing Committee of the 3<sup>rd</sup> Symposium on Environment and Human Health (Thessaloniki, 26-28 September 2008).
15. Reviewers Committee of the 9<sup>th</sup> Oceanography and Fisheries Symposium, Patras 13-16 May 2008.
16. Organizing Committee of the 14<sup>th</sup> Hellenic Ichthyologists Congress (2009).
17. Member of the EIFAC Working Party on Fish Passage Best Practices (FAO) (2009).
18. MED-GIG Lakes Fish Group (WFD 2000/60) (2009).
19. MED-GIG Transitional waters Fish Group (WFD 2000/60) (2009-2012).
20. Reviewers Committee of the 10<sup>th</sup> Oceanography and Fisheries Symposium, Athens 7-11 May 2012.
21. Expert Working Group of the Scientific, Technical and Economic Committee for Fisheries (STECF-EWG) for the evaluation of options proposed by DG MARE on the new EU Multi-annual programme for data collection (MAP) 2014-2020. Ispra, Italy (2012).
22. EU Funded Projects on Fish Migration and River Connectivity (2012)

#### **VIII. OTHER ACTIVITIES**

President of the Management Board of the protected area of Nestos-Vistonis-Ismaris wetlands (National Park of East Macedonia & Thrace). The area is assigned as Ramsar site and included in the Natura 2000 network.