

CURRICULUM VITAE DIMITRIS PETRIDIS

**Dr. Veterinarian
Professor**

**Department of Food Technology
Technological Educational Institute of Thessaloniki, 57400, Greece**

Education

1974-1980: Diploma in Veterinary, School of Veterinary, Aristotle University of Thessaloniki

1983-1986: Department of Zoology, Fisheries Unit, University of Liverpool, Ph.D.

Thesis: **Some ecological aspects of tench, *Tinca tinca* (L.), and its isopod prey, *Asellus aquaticus* (L.), in habitats influenced by grass carp, *Ctenopharyngodon idella* Val.**

Professional Experience

1988-1993: Professor Department of Fisheries, Technological Educational Institute of Mesolongi, Greece

1993-2010: Professor, Department of Food Technology, Technological Educational Institute of Thessaloniki, Greece

2009- : Instructor, MSc, Department of Food Technology: “Quality Management and Production Organization systems for the Food Industry”.

Teaching experience

Biometry, Ichthyology, Freshwater Ecology

Food Statistics and Experimental design, Statistical Process Control

Educational Administration

1. Scientific Supervisor of the project ‘**Establishing a new Tertiary Department**’, Department of Fisheries Technology and Aquaculture, Technological Educational Institute of Thessaloniki, Moudania annex, Greece, EU & National Funding (1999-2006).

2. Head of the Department of Fisheries Technology and Aquaculture, Moudania Annex, Greece, (2000-2004).

3. Head Sector of the sector “Modules for Specific Infrastructure”, Department of Food Technology (2002-2010).

4. Head of the Department of Food Technology, Technological Educational Institute of Thessaloniki, Greece, (2010-).

Research Experience

1. Projects

A. Participation in research projects

- 1) Hydrobiological study of Tavropos reservoir (1992), funded by Ministry of Agriculture.
- 2) Qualitative and quantitative study of the commercial euryhaline fish fry in Porto-Lagos lagoon and Vistonis Lake (1993), funded by Xanthi Prefecture
- 3) Hydrobiological study of Lake Mikri Prespa (1995), funded by Ministry of Agriculture.
- 4) Chemical and radioactive environmental pollution in the industrial area of Thessaloniki (1995) funded by ATEI.
- 5) Texture profile of greek traditional chesses (1996), funded by ATEI.
- 6) Utilization of mechanically deboned chicken meat (1998), funded by ATEI.
- 7) Texture profile of Frankfurter-type sausages (1999), funded by ATEI.

- 8) Production of smoked fillets and other products from minced frozen fish (e.g. tuna) (1999), funded by ATEI.
- 9) The effect of liquid smoking under pressure on hygiene and quality of smoked fish and utilization of the produced wastes (2001), funded by ATEI.
- 10) The effect of liquid smoking under pressure on hygiene and quality of smoked fish (2005), funded by EU, ARCHIMEDES II.
- 10) Water circulation in mussel culture areas and handling & management for spatial and environmental improvement. 2005-2006 (ARCHIMEDES II).
- 11) Consumer Views on certified fishing products. EU & National Funding (2000-2006).
- 12) Hellenic Biodiversity Net (HelBioNet), 2010 (6 months).

B. Coordinator in research projects

- 1) Comparative hydrobiological study between lakes Licimachia and Trichonis, Aitolokarnania district (1992) funded by Ministry of Industrial Research and Technology.
- 2) Pilot study of cost-sustainability of industrial units manufacturing Fishery and Aquaculture products (1998), funded by Ministry of Agriculture.
- 3) Production of fish protein products (Surimi) from pelagic fish which underutilized by the fish industry, (2005) funded by EU, ARCHIMEDES II.
- 4) Practical Training, Department of Food Technology (2005-2007, and 2010-2012), funded by EU and ATEI

2. Scientific publications

A. Ph.D thesis

Petridis D. (1986). Some ecological aspects of tench, *Tinca tinca* (L.), and its isopod prey, *Asellus aquaticus* (L.), in habitats influenced by grass carp, *Ctenopharyngodon idella* Val". Ph.D, University of Liverpool, pp 212.

B. Author of book

Petridis D. (2000). Applied Statistics in food science, 2nd ed. Omiros Publications, Thessaloniki pp 517 (in Greek).

C. Article in book

Petridis D. & A. Sinis (1997). The benthic fauna of Lake Mikri Prespa. In: Crivelli A.J. & Katsadourakis G., eds, Lake Prespa, Northeastern Greece. *Hydrobiologia* 351:95-105.

D. Publications in international refereed journals

1. **Petridis D. & K. O'Hara** (1988). "The assessment of diet in two cyprinids using a modified stomach flushing technique". *Aquaculture and Fisheries Management*, 19:63-66.
2. **Petridis D.** (1990). "Influence of grass carp and tench on the ecology of *Asellus aquaticus*". *Archives fur Hydrobiologie*, 118:105-124.
3. **Petridis D.** (1990). "The influence of grass carp on habitat structure and its subsequent effect on the diet of tench". *Journal of Fish Biology*, 36:533-544.
4. **Petridis D.** (1990). "Utilization of grass carp faeces by the isopod *Asellus aquaticus*, in the laboratory". *Hydrobiologia* 194:47-58.
5. **Petridis D. & A. Sinis** (1993). "Benthic macrofauna of Tavropos reservoir (Central Greece)". *Hydrobiologia* 262:1-12.
6. **Sinis A. & D. Petridis** (1993). "Population structure and reproductive strategy of the whitefish (*Coregonus lavaretus*) in two Greek lakes". *Archives fur Hydrobiologie*, 128:483-497.
7. **Petridis D.** (1993). "Macroinvertebrate distribution along an organic pollution gradient in Lake Lysimachia (Western Greece)". *Archives fur Hydrobiologie* 128:367-384.
8. **Petridis D. & A. Sinis** (1995). "Benthos of lake Mikri Prespa (North Greece)". *Hydrobiologia* 304:185-196.
9. **Sinis A. & D. Petridis** (1995). "Age structure and reproductive pattern of *Chalcarburnus belvica* (Caraman, 1924), in the lake Mikri Prespa (North-western Greece)". *Israel Journal of Zoology* 41:569-580.
10. **Raphaelidis S., Antoniou K. & D. Petridis** (1995). Texture profiling of traditional and ultrafiltered teleme cheeses. *Journal of Food Science* 60:1211-1215.
11. **Petridis D. & I. Rogdakis** (1996). The development of growth and feeding equations for sea bream (*Sparus auratus*) culture. *Aquaculture Research* 27:413-419.

12. Leonardos I., Sinis A. & D. **Petridis** (1996). Influence of environmental factors on the population dynamics of *Aphanius fasciatus* (Nardo 1927) in the Mesolongi lagoon (western Greece). *Israel Journal of Zoology* 42:231-249.
13. Raphaelides, S.N., Ambatzidou, A & D. **Petridis** (1996). Sugar composition effects on textural parameters of peach jams. *Journal of Food Science* 61:942-946.
14. Pourlis A, Magras I. & D. **Petridis** (1998). Occification and growth rates of the limb long bones during the prehatching period in the quail. *Anatomia, Histologia, Embryologia* 27:61-63.
15. Raphaelides S.N., Grigoropoulou S. & D. **Petridis** (1998). Quality attributes of pariza salami as influenced by the addition of mechanically deboned chicken meat. *Food Quality and Preference* 9:237-242.
16. Hasapidou M.N., Paraskevopoulos S.Th., Karakoltsidis P.A, **Petridis** D & E. Fotiadou (1999). Dietary habits of patients with renal stone disease in Greece *Journal of Human Nutrition and Dietetics*, 12:47-51.
17. Antoniou K, **Petridis** D, Raphaelides S., Ben-Omar, Kesteelot (2000). Texture assessments of french cheeses. *Journal of Food Science* 65:168-172.
18. Xanthopoulos V., **Petridis** D. & Tzanetakis N. (2001). Characterization and classification of *Streptococcus thermophilus* and *Lactobacillus delbruecki* subsp. *bulgaricus* strains isolated from traditional Greek yoghurts on the basis of their technological properties. *Journal of Food Science* 66:747-753.
19. Zotos A., **Petridis** D, Siskos E. & Ch. Gougoulis (2001). Production and quality assessment of an experimentally new hot smoked tuna (*Euthynnus affinis*) product. *Journal of Food Science*.66:1184-1190.
20. Soufleros E.H., Pissa I., **Petridis** D., Lygerakis M., Mermelas K., Boukouvalas G. & E. Tsimitakis (2001). Instrumental analysis of volatile and other compounds of greek kiwi wine: sensory evaluation and optimisation of its components. *Food Chemistry*, 75:487-500.
21. Kagalou I., Beza P., Perdikaris C. & **Petridis** D. (2002). Effects of copper and lead on microalgae (*Isochrysis galbana*) growth. *Fresenius Environmental Bulletin*, 11:233-236.
22. Kagalou I, **Petridis** D & Tsimarakis G (2003). Seasonal variation of water quality parameters in a shallow lake (Lake Pamvotis, Greece) and effects on Phytoplankton, zooplankton communities. *Journal of Freshwater Ecology*, 18:199-206.
23. Papagianis I, Kagalou I, Leonardos J, **Petridis** D & Kalfakakou B (2003). Copper and Zinc content of four freshwater fish in lake Pamvotis (Greece). *Environ Int.*, 30:357-362.
24. Kagalou I, Papastergiadou E, Tsimarakis G & **Petridis** D (2003). Evaluation of the trophic state of lake Pamvotis, Greece, a shallow urban lake. *Hydrobiologia* 506:745-752.
25. Iliades KN, Zotos A, Taylor KDA and **Petridis** D. (2004). Effect of Pretreatment and Smoking Process (cold & hot) on Chemical, Microbiological and Sensory Quality of Mackerel (*Scomber scombrus*). *Journal of the Science of Food and Agriculture*, 84, 1545-1552.
26. Bents CA, Zotos A & **Petridis** D. (2004). Production of Fish-Protein Products (Surimi) from Small Pelagic Fish (*sardinops pilchardus*), Underutilized by the Industry. *Journal of Food Engineering*, 68:303-308.
27. Papantoniou, D, Zelati E., Martinou I and **Petridis** D. (2004). Microbiological quality of greek ice cream samples marketed in Thessaloniki. *Archiv fur Lebensmittel-Hygiene*, 55:76-78.
28. Karayannakidis P.D, Zotos A, **Petridis** D & Taylor K.D.A (2007). The effect of initial wash and alkaline pHs on the properties of protein concentrate (kamaboko) products from sardine (*Sarina pilchardis*) samples. *Journal Food Engineering*, 78(3): 775-83.
29. Karayannakidis PD, Zotos A, **Petridis** D, Raphaelides SN, and Taylor KDA (2008). The effect of washing, microbial transglutaminase, salts and starch addition on the functional properties of sardine (*Sardina pilchardus*) Kamaboko gels. *Food Science and Technology International* 14:167-177
30. Dimitriadou D, Zotos A, **Petridis** D and Taylor KDA (2008). Improvement studies of different steps included in the production of steamed with liquid smoke trout fillets (*Salmo gairdneri*). *Food Science and Technology International*. 14:67-77
31. Karayannakidis PD., Zotos A., **Petridis** D. and Taylor K.D.A. (2008). Physicochemical changes of sardine (*Sardina pilchardus*) at -18°C and Functional Properties of Kamaboko Gels Enhanced with Ca²⁺ ions and MTGase. *Journal of Food Process Engineering*. 31(3):372-397.
32. Soupilas A., Papadimitriou C. |A., Samaras P., Gudulas K. and **Petridis** D. (2008). Monitoring of industrial effluent ecotoxicity in the greater Thessaloniki area. *Desalination*, 224:261-270.
33. Moriki A., Galinou-Mitsoudi S., **Petridis** D., Kosti D., Savvidis Y., Dimitriadis X., Koutitas Ch. and Alvanou L (2008). Environmental Impacts of Intensive Mussel Culture in the Coastal Waters of the Gulf of Thessaloniki (N. Greece). *Fresenius Environmental Bulletin*, 17:1945-1955.
34. Chytiri S, Goulas, AE, Badeka A, Riganakos KA, **Petridis** D and Kontominas MG (2008). Determination of radiolysis products in gamma-irradiated multilayer barrier food packaging films containing a layer of recycled LPDE. *Radiation Physics and Chemistry* (in press).

35. Ouzouni P.K, **Petridis D.**, Koller W., Riganakos K.A. (2009). Nutritional value and metal content of wild edible mushrooms collected from West Macedonia and Epirus, Greece. *Food Chemistry*, 115: 1575–1580.
36. Psomas E., Papantoniou D., **Petridis D.** and Panou E. (2009). Evaluation of the microbiological quality of Greek oregano samples. *Archives for Food Hygiene*, 60:98-103.
37. Ritzoulis C, **Petridis D.**, Derlikis E., Fytianos K. and Asteriou P. (2010). Utilization of inverse water-in-oil emulsions as fat replacers in frankfurter model sausages: influence of fat emulsion content on the organoleptic and mechanical properties. *Journal of Texture Studies* 41: 62–74.
38. **Petridis D.**, Vlazakis El., Tzivanos Iak., Derlikis Em., Ritzoulis C. (2010). Effects of selected ingredients and fat content on the sensory and mechanical properties of frankfurter-type sausages *Journal of Texture Studies*, (In press).

E. Presentations at international refereed Conferences

1. GALINOUMITSOUDI, S., GIANNAKOUROU, A., **PETRIDIS, D.** & PAPATHANASIOU, E., **2002**. Mussel endobionts in Greek cultures: First occurrence and effects. 1st International Symposium of Aquacultures, Fisheries Technology & Environmental Administration. ([Abstract](#)).
2. MORIKI, A. S. GALINOUMITSOUDI, **D. PETRIDIS, D.** KOSTI, Y. SAVVIDIS, X. DIMITRIADIS, C. KOUTITAS & L. ALVANOU., **2007**. Environmental impacts of intensive mussel culture in the coastal waters of the gulf of Thessaloniki (N. Greece). MESAEP ([Abstract](#)) Poster.
3. GALINOUMITSOUDI S., A. MORIKI, **D. PETRIDIS, Y.** SAVVIDIS, X. DIMITRIADIS, C. KOUTITAS & L. ALVANOU., **2007**. Spatial fluctuation of the quality of the mussels from longline cultures in terms of environmental, biological and culturists operation parameters. MESAEP ([Abstract](#)) Poster.
4. SAVVIDIS Y., A. ANTONIOU, X. DIMITRIADIS, A. MORIKI, S. GALINOUMITSOUDI, L. ALVANOU., **D. PETRIDIS, & C. KOUTITAS, 2007**. Hydrodynamics in a Mussel Culture Area in Thermaikos Gulf. Proceedings ([Full Text](#)) MEDCOAST 07 THE 8th INTERNATIONAL CONFERENCE ON THE MEDITERRANEAN COASTAL ENVIRONMENT 13-17 November 2007, Alexandria, Egypt.
5. Galinou-Mitsoudi S., Y Savvidis, A. Moriki, **D. Petridis, X. Dimitriadis, 2009**. Mussel production in relation to ecohydraulic conditions in the culture area of NW Thessaloniki Gulf (NW Aegean, Greece). AQUACULTURE EUROPE 2009, Trodheim ([Abstract](#), Poster)

F. Presentations at national refereed Conferences

1. GALINOUMITSOUDI S., A. I. SINIS & **D. PETRIDIS, 1997**. Reproduction of *Venus verrucosa* in the Thessaloniki and Thermaikos Gulfs. 5th Pan Hellenic Symposium of Oceanography and Fisheries, National Center of Marine Research, Kavala, Proceedings: 107 – 110.
2. GALINOUMITSOUDI S. & **D. PETRIDIS, 2000**. Biometry and growth of horse mussel *Modiolus barbatus* in gulf of Thessaloniki. 8th Pan Hellenic Symposium of Ichthyologists, Mesologi. Proceedings:25-28.
3. GALINOUMITSOUDI S. & **D. PETRIDIS, 2000**. The correlation between meteorological data and inimical biological phenomena concerning the mussel culture. 6th Pan Hellenic Symposium of Ichthyologists, Chios. Proceedings: 76 – 81.
4. Galinou-Mitsoudi S. & **D. Petridis, 2001**. Some morphometric and ecological elements of a littoral *Pinna nobilis* population in Thermaikos gulf (Mollusca: Bivalvia). 8th Pan Hellenic Symposium of Ichthyologists, Chania-Ctete. Proceedings: 33-36
5. Galinou-Mitsoudi S., Ch. Papadimitriou, G. Vlachavas, A. Moriki, Y. Migou, D. Gavrieli & **D. Petridis, 2007**. Quality estimation of mussels from natural populations with bioassays. 13th Pan Hellenic Symposium of Ichthyologists, Mytilene-Lesvos. Proceedings: 437-440.
6. Moriki A., Galinou-Mitsoudi S. Savvidis Y., **Petridis D., 2008**. Seasonal fluctuation of the sea water quality in a mussel culture area. 3th Environmental Conference of Macedonia. Thessaloniki. (Abstract).

G. Technical Reports

1. **Petridis D.**, & Galinou-Mitsoudi S., **1999**. Establishment Proposal of a new Department for Fisheries and Aquaculture Technology.
2. Bobori D., Galinou-Mitsoudi S., **Petridis D., 2000**. Water pollution and toxicity Preliminary Study. ATEI 43 pages.
3. **Petridis D.**, Sinis A.I., Anagnostou Ch. Economou A. & Galinou-Mitsoudi S., **2000**. Orientation and Direction of the Fisheries and Aquaculture Technology Department of ATEI, 43 pages.
4. **Petridis D.**, Bobori D. & Galinou-Mitsoudi S., **2000**. Effects of heavy metals and pesticides in the inland waters communities of aquatic organisms. Research proposal for the Fisheries and Aquaculture Technology Department of ATEI, 26 pages.

3. Professional Activities

A. Referee for international journals:

- ! *Hydrobiologia* (1997)
- ! *Journal of the Marine Biological Association of the United Kingdom* (1999)
- ! *Aquatic Ecosystem Health and Management Society* (2001)
- ! Web Ecology (2003)

B. Evaluator of research reports:

- “Lack of qualifications and needs for training employees of small or medium size businesses in the area of Thessaloniki”, funded by EU, ADAPT (1996-97)
- “Computer literacy of small or medium size businesses ”, funded by EU, ADAPT (1996-97)

C. Computer Analyst of Aquaculture biosystems software:

‘Biological monitoring of fish farms-Calyspo’, based on statistical models published in the journal ‘Aquaculture research’ (1993).