

**Helen Miliou M.Sc., Ph.D.**

Professor

Laboratory of Applied Hydrobiology

Department of Animal Science

Agricultural University of Athens

## **CURRICULUM VITAE**

**Athens**

**2020**

## **I. CURRICULUM VITAE**

### **1. PERSONAL DATA**

SURNAME:	<b>MILIOU</b>
NAME:	<b>HELEN</b>
FATHER'S NAME:	Antonios
DATE OF BIRTH:	30 <sup>th</sup> May 1959
PLACE OF BIRTH:	Athens
NATIONALITY:	Hellenic
MARITAL STATUS:	Married, 1 child
RESIDENCE:	5 Kilkis Str., Voula, 166 73
OFFICE	75 Iera Odos, Athens 118 55
CONTACT:	+302105294405 and +30 6945057096 e-mail: elenmi@aua.gr

### **2. EDUCATION AND TITLES**

- Doctor of Philosophy, 1990, Hydrobiology – Aquaculture, Department of Biology, Faculty of Physics and Mathematics, National and Kapodistrian University of Athens.
- Master of Science, 1984, Oceanography, Faculty of Physics and Mathematics, National and Kapodistrian University of Athens.
- Diploma of Biological Sciences, 1981, Faculty of Physics and Mathematics, University of Patras.

### **3. AWARDS**

- Honorary scholarship of the State Scholarship Foundation during three years of undergraduate studies (1978-80-81).
- 1986-1990: Specific Postgraduate Scholarship Holder, Section of Botany – Zoology, Department of Biology, Faculty of Physics and Mathematics, National and Kapodistrian University of Athens (UOA).

### **4. TRAINING**

- Training Workshop (18-29/9/1989) on the Statistical Treatment and Interpretation of Marine Community Data (Organised by NCMR in cooperation with FAO, IOC, UNEP and the University of Athens).

- Training in different research centers abroad as Ph.D. candidate:
  1. YUGOSLAVIA (October 1987)  
INSTITUT OF OCEANOGRAPHY AND FISHERIES SPLIT
  2. FRANCE (May 1987)  
CENTRE D' OCEANOLOGIE DE MARSEILLE, LABORATOIRE  
D' HYDROBIOLOGIE MARINE DE LUMINY
  3. ITALY (September 1988) α)  
UNIVERITA DI TRIESTE,  
INSTITUTO DI ZOOLOGIA I ANATOMIA COMPARATA  
β) UNIVERSITA DEGLI STUDI DI PADOVA,  
DIPARTAMENTI DI BIOLOGIA
  4. SPAIN (April 1990)  
INSTITUTO ESPANOL DE OCEANOGRAFIA  
CENTRO COSTERO DE BALEARES, PALMA DE MALLORCA

## **5. FOREIGN LANGUAGES**

- Diplôme d' études supérieures (Institut Français d' Athènes) 1978.
- First Certificate in English (University of Cambridge) 1976.

## **6. MEMBER OF SCIENTIFIC SOCIETIES**

- Hellenic Society of Animal Science.
- Hellenic Oceanographers Association.
- Panhellenic Union of Biologists.
- Geotechnical Chamber of Greece.
- Hellenic Zoological Society.
- Commission internationale pour l'exploration scientifique de la mer Méditerranée (Comité du Plancton).

## **7. SCIENTIFIC AND ACADEMIC CAREER**

- 2018-today: Full Professor, Laboratory of Applied Hydrobiology, Department of Animal Science, Faculty of Animal Biosciences Agricultural University of Athens (AUA).
- 2011-2018: Associate Professor, Laboratory of Applied Hydrobiology, Department of Animal Science and Aquaculture, Agricultural University of Athens (AUA).
- 2002-2011: Assistant Professor, Laboratory of Applied Hydrobiology, Department of Animal Science and Aquaculture, Agricultural University of Athens.
- 1993-2002: Lecturer, Laboratory of Applied Hydrobiology, Department of Animal Production, Agricultural University of Athens.
- 1992-1993: Senior Researcher, National Agricultural Research Foundation (N.AG.RE.F.).
- 1990-1992: Employee in the Ministry of Agriculture, Department of Marine Aquaculture, Direction of Aquaculture and Inland Waters.

## **8. TEACHING EXPERIENCE**

- Teaching in undergraduate courses (theoretical and laboratory part): Hydrobiology, Planktology, Benthology, Aquaculture, Production of Aquatic Animals (AUA).
- Lectures on specific issues in the frame of postgraduate studies: “Rearing of aquatic animals” (AUA), “Oceanography” (UOA), “Farm Business Management” (AUA). The last five years, lectures are focused on Integrated Maritime Policy, Blue Growth, Common Fisheries Policy, Strategic Guidelines and Priorities for Sustainable Aquaculture, Contribution of Aquaculture to Primary Production, Aquaculture Management, Quality of Aquatic Products.
- Member of the 3-member Advisory Committee for 64 undergraduate theses and supervisor for 14 of them.
- Member of the 3-member Advisory Committee for 9 Dissertations (Ph.D.) and supervisor for 4 of them (3 in progress). Also, member of the 7-member Examining Committee for other 17 Dissertations.
- Member of the 3- or 5-member Advisory Committee for 49 graduate theses (M.Sc.) and supervisor for 12 of them.
- Responsible of courses in Hydrobiology and Aquaculture offered in English to incoming students of the Erasmus programme.

- Responsible for the practical exercise (mostly for 4 months) of 44 AUA students.
- PowerPoint presentations (29) available in AUA e-class.

## **9. RESEARCH INTERESTS**

- Growth, biometry, metabolism, haematology and chemical composition of aquatic animals (Osteichthyes, Crustacea and Cephalopoda).
- Physiological responses of fish to stress induced by handling and rearing conditions.
- Fatty acid composition of aquatic animals in relation to diet and environmental conditions.
- Fish nutritional requirements.
- Investigation of alternative sources of fat for fish oil replacement in aquafeeds.
- Indices for assessing and predicting fish malnutrition
- Improvement of product quality in aquaculture.
- Welfare of farmed aquatic organisms.
- Monitoring of water quality parameters.
- Toxicity effects of pollutants on aquatic animals.
- Population dynamics of certain zooplanktic (Copepoda, Rotifera) and benthic (Octopoda, Porifera) species.

## **10. RESEARCH PROJECTS**

### **10.1. PARTICIPATION IN RESEARCH PROJECTS**

- "Experimental study of the factors determining the variation of populations in mass aquaculture of Copepod *Tisbe holothuriae*". Funding: Ministry of Agriculture, General Directorate of Fisheries. Implementation: Department of Biology UOA (Scientific Coordinator Prof. M. Apostolopoulou). Final Technical Report 1988.
- "Study to improve the nutritional value of the Copepod *Tisbe holothuriae* used for the feeding of farmed fish". Funding: Ministry of Agriculture, General Directorate of Fisheries. Implementation: Department of Biology UOA (Scientific Coordinator Prof. M. Apostolopoulou). Final Technical Report 1989.

- "Research on the island of Kalymnos on the abundance and distribution of five commercial fish species". Funding: European Community, DG XIV - Fisheries, C1/MED91/002. Implementation: Department of Biology UOA (Scientific Coordinator Assoc. Prof. J. Kastritsi-Kathariou). Final Technical Report 1994.
- "Sponge species in the Mediterranean". Funding: European Community, DG XIV - Fisheries, C1/MED92/024. Implementation: Department of Biology UOA (Scientific Coordinator of Assoc. Prof. J. Kastritsi-Kathariou). Final Technical Report 1995.
- "Experimental Sponge Fishing in Egypt". Funding: European Community, DG XIV - Fisheries, C1/MED91/016 - Ministry of Agriculture. Implementation: Department of Biology UOA (Scientific Coordinator Assoc. Prof. J. Kastritsi-Kathariou). Final Technical Report 1995.
- "Reform of the Undergraduate Studies Program of the Department of Animal Production of the Agricultural University of Athens". Responsible of the reformed course "Hydrobiology" for digitization and posting on the website of the AUA in 2004. Scientific Coordinator Ass. Prof. St. Deligiorgis.
- "Recharging Greek Youth to Revitalize the Agricultural and Food Sector of the Greek Economy". Head of the Aquaculture Sectoral Study in 2015. Funding: Rutgers, the State University of New Jersey (Scientific Coordinator Prof. M. Kapsokefalou).

## **10.2. SCIENTIFIC RESPONSIBLE OF PROJECT WORK PACKAGES**

- "Nutrition and growth study of common octopus, *Octopus vulgaris*, under controlled rearing conditions". Funding: PAVET 2000, 00BE407, General Secretariat for Research and Technology, Ministry of Education, Research & Religious Affairs (AUA: 5.000€). Implementation in cooperation with a research team of the Department of Biology UOA (Scientific Coordinator Prof. G. Verriopoulos). Final Technical Report 2004.
- "Massive rearing of octopus, *Octopus vulgaris*, with emphasis on the use of artificial food". Measure 4.6 (Innovative Measures) of the Operational Programme for Fisheries 2000-2006. Funding: General Directorate of Fisheries, Ministry of Rural Development and Food (AUA: 14.860€). Implementation in cooperation with a research team of the Department of Biology UOA (Scientific Coordinator Prof. G. Verriopoulos). Final Report 2008.

- "Marine angiosperm tolerance on environmental stress - MANTOLES)". Funding: Thales Project (2010)-NSRF 2007-2013 of the Ministry of Education, Research & Religious Affairs (AUA: 104.500€, Total: 535.000€). Implementation in cooperation with research teams of the Department of Biology UOA, Institute of Fisheries Research (Hellenic Agricultural Organization "Demeter") and the University of Thessaly (Scientific Coordinator Prof. A. Exadaktylos).
- "Center for the Eastern Mediterranean and Black Sea-METOR" (2017-2019). Funding: European Commission EASME/EMFF (AUA: 96.011€, Total: 689.762€). Implementation in cooperation with the School of Mechanical Engineering of the National Technical University of Athens and other partners from Bulgaria MCB, Romania CMU and Cyprus MARINEM, CCCI, UCY (Coordinator Prof. G. Georgiou).
- "Integrated MultiTrophic Aquaculture for Effectiveness and Environmental Conservation - IMTA-EFFECT" (2016-2019). Funding: COFASP-ERANETS - NSRF 2014-2020, Directorate for International Cooperation R & T, General Secretariat for Research and Technology, Ministry of Education, Research & Religious Affairs (AUA: 34.545€, Total: 1.707.500€). Implementation in cooperation with the Hellenic Center for Marine Research and other partners from Romania UDJG, ROMFISH, Portugal IPMA, ALGAplus and France IFREMER, IRD, INRA (Coordinator Dr. J. Aubin).
- EU-CONEXUS: European University for Smart Urban Coastal Sustainability (2019-2022). Funding: Erasmus+, European Universities-EAC-A03-2018. Other Partners: UNIVERSITE DE LA ROCHELLE (Coordinator), UNIVERSTATEA TEHNICA DE CONSTRUCTII BUCURESTI, KLAIPEDOS UNIVERSITETAS, FUNDACION UNIVERSIDAD CATOLICA DE VALENCIA SAN VICENTE MARTIR, SVEUCILISTE U ZADRU

### **10.3. COORDINATOR OF RESEARCH PROJECTS**

- "Organic aquaculture - Prospects for development". Funding: Operational Programme for Fisheries 2000-2006, Ministry of Rural Development and Food (AUA: 66.000 €). Final Report 2008.
- "Sustainable fishmeal development for seabass: study of effects on the growth and chemical composition of fish". Funding: BioMar Hellenic ABEEI (AUA: 5.000€). Final Report 2014.

- "Replacement of fish oil in aquafeeds for sea bream and sea bass with alternative fat sources". Funding: COOPERATION 2011 (NSRF 2007-2013), General Secretariat for Research and Technology, Ministry of Education and Religious Affairs (AUA: 399.000€, Total: 639.600€). Partners: Department of Pharmacology of the Medical School of UOA, BIOMAR and ABOTIS. Final Deliverables 2015.
- "Modernization, equipment and certification of the Laboratory of Applied Hydrobiology of the Agricultural University of Athens for the control of quality and safety of aquatic products". Funding: MEASURE 3.1. - Collective Actions, Priority Axis 3 - Measures of Common Interest, Operational Programme for Fisheries 2007-2013, Ministry of Rural Development and Food (AUA: 350.000€). Final Deliverables 2016.
- "Use of discards in Greek seas for the production of fish oil and its use for experimental rearing of sea bream and sea bass". Funding: MEASURE 3.5. - Pilot Projects, Priority Axis 3 - Measures of Public Interest, Operational Programme for Fisheries 2007-2013, Ministry of Rural Development and Food (AUA: 250.000€). Final Deliverables 2016.
- Development and comparison of methods for detection and quantification of phytoestrogens in fish feed raw materials, fish feed and Mediterranean farmed fish species – EstroFish (2019-2022). Funding: General Secretariat for Research and Technology (NSRF 2014-2020).
- Detection of fish authenticity and adulteration in Greek market using molecular identification tools - FISH MID (2019-2022). Funding: Operational Programme for Fisheries and Sea 2014-2020.

## **11. ADMINISTRATIVE EXPERIENCE**

- Member of the Council of Agricultural University of Athens (2013 - 2017).
- Director of Laboratory of Applied Hydrobiology of Agricultural University of Athens since 2010.
- Director of the Postgraduate Program of Studies "Rearing of Aquatic Organizations" in the years 2012-2014 and member of the Coordination Committee (2001-2014).
- Member of the Special Inter-Departmental Committee and the Coordination Committee of the Inter-Departmental Program of Postgraduate Studies "Farm Business Management" since the academic year 2014-2015 to 2017-2018, as well as in the re-established program with the same title (July of 2018).
- Member of the Research Committee of the Special Research Funds Account of

AUA (2017-2018).

- Director of the Quality System according to ELOT EN ISO / IEC 17025 applied to the Laboratory of Applied Hydrobiology since 2016 and supervised by the National Accreditation System (Certificate No. 1072).
- Full or alternate member of the Committee for tendering or commissioning or evaluating the follow-up, receipt of supplies or services related to the Laboratory of Applied Hydrobiology with decisions of the AUA Administration every year since 1994 (recent decision 53 / 8-1-2018).
- Member of Committees for the receipt of supplies - services and deliverables as well as for conducting competitions - assignments in the framework of research programs (Special Research Funds Account of AUA).
- Representative of the Department of Animal Production at the AUA Senate during the academic year 2000-2001.
- Responsible of the Dimakopoulos Building (Department of Animal Science and Aquaculture) by decision of the AUA Rectorate Council (Session 08-03-2011).
- Member of various Committees of the Department of Animal Science and Aquaculture, e.g. participation in Committees for the reform of the Program of Studies, classification of graduates from Universities and Technological Educational Institutes, bioethics, preparation of reports for the Department's activities, internal – external evaluation and the organization of educational excursions. In the current period, participation in the Internet Committee by decision (59<sup>th</sup>/29.05.2018) of the Department of Animal Science and Aquaculture.
- Member in several Elective Bodies (E.B.) for filling position, promotion or tenure of academic teaching and research staff of AUA and other centers of higher education. According to the current legislation, full member in six E.B. (11 members), participating in the 3-member Advisory Committee in two of them. Under previous legislation, full member in five 7-member E.B. (evaluation report for three of them) and earlier in eight 3-member Advisory Committees of E.B. (15-30 members).

## **12. REVIEWING**

- Peer reviewer of manuscripts submitted for publication in the journals of the Hellenic Zootechnic Society and the Hellenic Veterinary Society, as well as in the following international journals:

1. Archives of Environmental Contamination and Toxicology
2. Aquaculture
3. Aquaculture Research
4. Caspian Journal of Applied Sciences Research
5. Environmental Pollution
6. International Journal of Marine Science
7. Journal of Agricultural and Food Chemistry
8. Journal of Biological Research-Thessaloniki (JBR)
9. Journal of Food Processing and Preservation
10. Journal of the World Aquaculture Society
11. Regional Studies in Marine Science
12. Toxicological & Environmental Chemistry
13. Turkish Journal of Veterinary and Animal Sciences

### **13. Other activities**

- Member of the National Aquaculture Council from 2016.
  - Member of Steering Committee of the Annex in Eastern Central Greece of the Geotechnical Chamber of Greece (2001-2011).
  - Member of the Committees on the Agricultural Studies of the Council for the Recognition of Higher Education Qualifications (S.A.E.I.) of the Ministry of National Education and Religious Affairs (2003-2005).
  - Member of the evaluation committee for a teaching book written the course "Aquaculture" taught in Technological and Professional Lyceums of Animal Production. Educational Institute (2003-2004).
  - Book evaluation in the framework of project Kallipos "Hellenic Academic Electronic Book" (2014).
  - Member of the Scientific Authority for CITES species native flora and wildlife (2004) of the Ministry of Rural Development and Food.
  - Participation in the selection and progress evaluation of research projects funded by the General Secretariat for Research and Technology, as well as the Ministry of Education of Greece, in the frame NSRF 2000-2006.
- 
- Member of the Planning Team for the Operational Programme for Fisheries 2007-2013 and the National Strategic Plan for Fisheries 2007-2013 of the Ministry of Rural Development and Food.

- Member of the Advisory Committee for the approval of investment projects in various measures of Fisheries, Aquaculture, Processing and Marketing under the Fisheries Operational Programme 2000-2006 & 2007-2013 (Ministry of Rural Development and Food).
- Evaluation of proposals for the support of postgraduate students, doctoral candidates and young researchers submitted to different calls of the State Scholarship Foundation, the Hellenic Foundation for Research and Innovation, and the Ministry of Education in the frame of NSRF 2014-2020.
- Member of the Insurance Fund for Professional Geotechnicals participating in the Board during 2007-2012.
- Member of the Hellenic Technological Platform for Aquaculture participating in the Board during 2017-2018.
- Chairman of the Organizing Committee of the International Congress "Animal Health and Welfare of Productive Animals" held in Athens by the Geotechnical Chamber of Greece and the Scientific Committee on Health and Welfare of the European Food Safety Authority on 29/3 and 30/3 of 2006.
- Member of the Organizing Committee for 2 Workshops, organization of one Workshop and member of the Scientific Committee of eight Conferences.
- Mobility through research programs involving European partners, such as recently:
  - Olhão, Portugal: Modelisation Workshop WP3 - IMTA-Effect 23/01/2017 - 27/01/2017, Aquaculture Research Station in Olhão (EPPO).
  - Varna, Bulgaria: Blue Career Fair & MENTOR Consortium Meeting 31/1/2018-2/2/2018, Marine Cluster Bulgaria (MCB).

#### **14. Presentations in Workshops**

1. Presentation titled "Aquaculture Products" at the Workshop "Food Quality and Safety" on 31-01-2007 in Athens.
2. Presentation titled "The toxicity of heavy metals to aquatic organisms" at the Workshop: "Asopos: An Open Environmental Wound - Present and Future" on 21-04-2010 in Athens.
3. Presentation of the objectives and measures of the Priority Axis 2 (Aquaculture - Inland Fisheries - Processing and Marketing of Fishery and Aquaculture Products) of the Operational Program for Fisheries 2007-2013 of the Ministry of Rural

Development and Food at the Workshop organized by the Management Authority of Operational Programme for Fisheries in the frame of the international exhibition "Aquapartners" in Athens on 16-7-2007.

4. Presentation titled "Differentiation to new aquaculture species. Fish welfare in farms" at the meeting organized by the Directorate-General for Fisheries of the European Parliament's Committee on Fisheries on 12 and 13 April 2007.
5. Presentation (10-12-2015) of the sectoral study on aquaculture at the Conference held under the program "Recharging Greek Youth to Revitalize the Agricultural and Food Sector of the Greek Economy", which is being developed with the collaboration of the Agricultural University of Athens and the American Farm School of Thessaloniki and sponsored by the Stavros Niarchos Foundation (SNF) through Rutgers University.
6. Presentation (31-2-2018) entitled "Knowledge and skills for jobs in Aquaculture sector" at Blue Career Fair organized in Varna, Bulgaria, in the framework of the European project "Blue Career Center of Eastern Mediterranean and Black Sea (MENTOR)".

## II. LIST OF PUBLICATIONS

### A. PUBLICATIONS IN PEER-REVIEWED JOURNALS

**\*Corresponding author**

- A1. Verriopoulos, G., Moraitou - Apostolopoulou, M. & **Milliou, E.**, 1987. Combined toxicity of four toxicants (Cu, Cr, Oil, Oil Dispersant) to *Artemia salina*. *Bulletin of Environmental Contamination and Toxicology* 38(3), 483-490.  
DOI: 10.1007/BF01606618. Cited 21 times.
- A2. Verriopoulos, G., **Milliou, E.** & Moraitou - Apostolopoulou, M., 1988. Joint effects of four pollutants (copper, chromium, oil, oil dispersant) on the respiration of *Artemia*. *Archiv für Hydrobiologie* 112(3), 475-480.
- A3. **Miliou, H.\*** & Moraitou - Apostolopoulou, M., 1991. Combined effects of temperature and salinity on the population dynamics of *Tisbe holothuriae* Humes (Copepoda: Harpacticoida). *Archiv für Hydrobiologie* 121(4), 431-448.
- A4. **Miliou, H.\*** & Moraitou - Apostolopoulou, M., 1991. Variations of respiratory rate of *Tisbe holothuriae* Humes (Copepoda: Harpacticoida) in relation to temperature, salinity and food type. *Comparative Biochemistry and Physiology A* 100(1), 169-

174.

DOI: 10.1016/0300-9629(91)90202-N. Cited 4 times.

- A5. **Miliou, H.\*** & Moraitou - Apostolopoulou, M., 1991. Elementary chemical composition of *Tisbe holothuriae* Humes (Copepoda: Harpacticoida) as influenced by temperature, salinity and food type. *Comparative Biochemistry and Physiology A* 100(2), 371-376.

DOI: 10.1016/0300-9629(91)90486-V. Cited 1 time.

- A6. **Miliou, H.\*** & Moraitou - Apostolopoulou, M., 1991. Effects of seven different diets on the population dynamics of laboratory cultured *Tisbe holothuriae* Humes (Copepoda: Harpacticoida). *Helgoländer Meeresuntersuchungen* 45 (3), 345-356.

DOI: 10.1007/BF02365524. Cited 13 times.

- A7. **Miliou, H.\***, 1992. Effects of light (photoperiod, spectral composition) on the population dynamics of *Tisbe holothuriae* Humes (Copepoda: Harpacticoida). *Hydrobiologia* 232(3), 201-209.

DOI: 10.1007/BF00013705. Cited 7 times.

- A8. **Miliou, H.\***, Moraitou - Apostolopoulou, M. & Argyridou, M., 1992. Biochemical composition of *Tisbe holothuriae* (Copepoda: Harpacticoida) and its differentiation in relation to developmental stages. *Ophelia* 36(2), 159-166.

DOI: 10.1080/00785326.1992.10430366. Cited 10 times.

- A9. **Miliou, H.\***, 1993. Temperature, salinity and light induced variations on larval survival and sex ratio of *Tisbe holothuriae* Humes (Copepoda: Harpacticoida). *Journal of Experimental Marine Biology and Ecology* 173(1), 95-109.

DOI: 10.1016/0022-0981(93)90209-7. Cited 12 times.

- A10. **Miliou, H.\***, 1996. The effect of temperature, salinity and diet on final size of female *Tisbe holothuriae* (Copepoda: Harpacticoida). *Crustaceana* 69(6), 742-754.

DOI: 10.1163/156854096X00763. Cited 8 times.

- A11. Kapiris, K., **Miliou, H.** & Moraitou - Apostolopoulou, M., 1997. Effects of formaldehyde preservation on biometrical characters, biomass and biochemical composition of *Acartia clausi* (Copepoda, Calanoida). *Helgoländer Meeresuntersuchungen* 51(1), 95-106.

DOI: 10.1007/BF02908757. Cited 14 times.

- A12. **Miliou, H.\*** & Papoutsoglou, S.E., 1997. Blue tilapia *Oreochromis aureus* (Steindachner) carcass composition and hematology in relation to the female parent size under recirculated water conditions. *Aquaculture Research* 28(8), 629-

634.

DOI: 10.1111/j.1365-2109.1997.tb01083.x

- A13. **Miliou, H.\***, Zaboukas, N. & Moraitou - Apostolopoulou, M., 1998. Biochemical composition, growth and survival of the guppy, *Poecilia reticulata*, during chronic sublethal exposure to cadmium. *Archives of Environmental Contamination and Toxicology* 35(1), 58-63.

DOI: 10.1007/s002449900349. Cited 41 times.

- A14. Papoutsoglou, S.E., **Miliou, H.**, Chadio, S., Karakatsouli, N. & Zarkada, A., 1999. Studies on stress responses and recovery from removal in gilthead sea bream *Sparus aurata* (L.) using recirculated seawater system. *Aquacultural Engineering* 21(1), 19-32.

DOI: 10.1016/S0144-8609(99)00021-7. Cited 17 times.

- A15. Papoutsoglou, S.E., Mylonakis, G., **Miliou, H.**, Karakatsouli, N.P. & Chadio, S., 2000. Effects of background color on growth performances and physiological responses of scaled carp (*Cyprinus carpio* L.) reared in a closed circulated system. *Aquacultural Engineering* 22(4), 309-318.

DOI: 10.1016/S0144-8609(00)00056-X. Cited 76 times.

- A16. **Miliou, H.\***, Verriopoulos, G., Maroulis, D., Bouloukos, D. & Moraitou - Apostolopoulou, M., 2000. Influence of life-history adaptations on the fidelity of laboratory bioassays for the impact of heavy metals ( $\text{Co}^{2+}$  and  $\text{Cr}^{6+}$ ) on tolerance and population dynamics of *Tisbe holothuriae*. *Marine Pollution Bulletin* 40(4), 352-359.

DOI: 10.1016/S0025-326X(99)00221-0. Cited 14 times.

- A17. Papoutsoglou, S.E., **Miliou, H.**, Karakatsouli, N.P., Tzitzinakis, M. & Chadio, S., 2001. Growth and physiological changes in scaled carp and blue tilapia under behavioral stress in mono- and polyculture rearing using a recirculated water system. *Aquaculture International* 9(6), 509-518.

DOI: 10.1023/A. Cited 17 times.

- A18. Dimitriou, P., Castritsi – Catharios, J. & **Miliou, H.**, 2003. Acute toxicity effects of tributyltin chloride and triphenyltin chloride on gilthead seabream, *Sparus aurata* L., embryos. *Ecotoxicology and Environmental Safety* 54(1), 30-35.

DOI: 10.1016/S0147-6513(02)00008-8. Cited 34 times.

- A19. Kefalas, E., Castritsi – Catharios, J. & **Miliou, H.**, 2003. Bacteria associated with the sponge *Spongia officinalis* as indicators of contamination. *Ecological Indicators* 2(4), 339-343.  
DOI: 10.1016/S1470-160X(03)00002-5. Cited 16 times.
- A20. Kefalas, E., Castritsi – Catharios, J. & **Miliou, H.**, 2003. The impacts of scallop dredging on sponge assemblages in the Gulf of Kalloni (Aegean Sea, northeastern Mediterranean). *ICES Journal of Marine Science* 60(2), 402-410.  
DOI: 10.1016/S1054-3139(03)00012-2. Cited 11 times.
- A21. Kavadias, S., Castritsi – Catharios, J., Dessypris, A. & **Miliou, H.**, 2004. Seasonal variation in steroid hormones and blood parameters in cage-farmed European sea bass (*Dicentrarchus labrax* L.). *Journal of Applied Ichthyology* 20(1), 58-63.  
DOI: 10.1111/j.1439-0426.2004.00497.x. Cited 11 times.
- A22. Katsanevakis, S., Stephanopoulou, S., **Miliou, H.**, Moraitou – Apostolopoulou, M. & Verriopoulos, G., 2005. Oxygen consumption and ammonia excretion of *Octopus vulgaris* (Cephalopoda) in relation to body mass and temperature. *Marine Biology* 146(4), 725-732.  
DOI: 10.1007/s00227-004-1473-9. Cited 34 times.
- A23. Katsanevakis, S., Protopapas, N., **Miliou, H.** & Verriopoulos, G., 2005. Effect of temperature on specific dynamic action in the common octopus, *Octopus vulgaris* (Cephalopoda). *Marine Biology* 146(4), 733-738.  
DOI: 10.1007/s00227-004-1476-6. Cited 16 times.
- A24. Castritsi – Catharios, J., **Miliou, H.** & Pantelis, J., 2005. Experimental sponge fishery in Egypt during recovery from sponge disease. *Aquatic conservation: Marine and Freshwater Ecosystems* 15(2), 109-116.  
DOI: 10.1002/aqc.658. Cited 9 times.
- A25. **Miliou, H.\***, Fintikaki, M., Kountouris, T. & Verriopoulos, G., 2005. Combined effects of temperature and body weight on growth and protein utilization of the common octopus, *Octopus vulgaris*. *Aquaculture* 249(1-4), 245-256.  
DOI: 10.1016/j.aquaculture.2005.03.038. Cited 38 times.
- A26. **Miliou, H.\***, Fintikaki, M., Tzitzinakis, M., Kountouris, T. & Verriopoulos, G., 2006. Fatty acid composition of the common octopus, *Octopus vulgaris*, in relation to rearing temperature and body weight. *Aquaculture* 256(1-4), 311-322.  
DOI: 10.1016/j.aquaculture.2006.02.050. Cited 34 times.

- A27. Zamboukas, N., **Miliou, H.**, Megalofonou, P. & Moraitou – Apostolopoulou, M., 2006. Biochemical composition of the Atlantic bonito *Sarda sarda* from the Aegean Sea (eastern Mediterranean Sea) in different stages of sexual maturity. *Journal of Fish Biology* 69(2), 347-362.  
DOI: 10.1111/j.1095-8649.2006.01090.x. Cited 30 times.
- A28. Kostopoulou, V., **Miliou, H.**, Katis & G., Verriopoulos, G., 2006. Changes in the population structure of the lineage ‘Nevada’ belonging to the *Brachionus plicatilis* species complex, batch-cultured under different feeding regimes. *Aquaculture International* 14(5), 451-466.  
DOI: 10.1007/s10499-006-9048-z. Cited 4 times.
- A29. Kostopoulou, V., **Miliou, H.**, Krontira, Y. & Verriopoulos, G., 2007. Mixis in rotifers of the lineage ‘Nevada’, belonging to the *Brachionus plicatilis* species complex, under different feeding regimes. *Aquaculture Research* 38(10), 1093-1105.  
DOI: 10.1111/j.1365-2109.2007.01783.x. Cited 7 times.
- A30. Moraiti-Ioannidou, M., Castritsi-Catharios, J., **Miliou, H.** & Kotzamanis, Y.P., 2007. Fatty acid composition and biometry of five Greek *Artemia* populations suitable for aquaculture purposes. *Aquaculture Research* 38(15), 1664-1672.  
DOI: 10.1111/j.1365-2109.2007.01835.x. Cited 10 times.
- A31. **Miliou, H.**, Fintikaki, M., Kountouris, T., Tzitzinakis, T. & Verriopoulos, G., 2007. Nucleic acids and fatty acids of the common octopus, *Octopus vulgaris*, in relation to the growth rate. *Aquaculture Research* 38(16), 1693-1701.  
DOI: 10.1111/j.1365-2109.2006.01613.x. Cited 6 times.
- A32a. Kousoulaki, K., **Miliou, E.**, Apostolopoulou, M. & Alexis, M.N., 2007. Effect of feeding intensity and feed composition on nutrient digestibility and production performance of common Pandora (*Pagellus erythrinus*) in sea cages. *Aquaculture* 272(1-4), 514-527.  
DOI: 10.1016/j.aquaculture.2007.07.220. Cited 9 times.
- A32b. Kousoulaki, K., **Miliou, E.**, Apostolopoulou, M. & Alexis, M.N., 2007. Erratum to “Effect of feeding intensity and feed composition on nutrient digestibility and production performance of common Pandora (*Pagellus erythrinus*) in sea cages”. *Aquaculture* 280, 276.  
DOI: 10.1016/j.aquaculture.2008.04.001.

- A33. Moraiti-Ioannidou, M., Castritsi-Catharios, J., **Miliou, H.** & Sorgeloos, P., 2009. Biochemical composition and digestive enzyme activity during naupliar development of *Artemia* spp from three solar saltworks in Greece. *Aquaculture* 286(3-4), 259-265.  
DOI: 10.1016/j.aquaculture.2008.09.013. Cited 1 time.
- A34. Kostopoulou, V., **Miliou, H.** & Verriopoulos, G., 2009. Morphometric changes in a strain of the lineage 'Nevada', belonging to the *Brachionus plicatilis* (Rotifera) complex. *Aquaculture Research* 40(8), 938-949.  
DOI: 10.1111/j.1365-2109.2009.02188.x. Cited 7 times.
- A35. Castritsi-Catharios, J., **Miliou, H.**, Kapis, K., & Kefalas, E., 2011. Recovery of the commercial sponges in the central and southeastern Aegean Sea (NE Mediterranean) after an outbreak of sponge disease. *Mediterranean Marine Science* 12(1), 5-20. Cited 5 times.
- A36. **Miliou, H.\***, Kapis, K. & Castritsi-Catharios, J., 2012. Microplanktic assemblages (sarcodines and alveolates) in the central and southeastern Aegean Sea (NE Mediterranean). *International Journal of Fisheries and Aquaculture* 4(6), 105-113.
- A37. Castritsi-Catharios, J., Syriou, V., **Miliou, H.** & Zouganelis, D., 2013. Toxicity effects of bisphenol A to the nauplii of the brine shrimp *Artemia franciscana*. *Journal of Biological Research-Thessaloniki* 19, 38-45. Cited 1 time.
- A38. Kostopoulou V., Tsopelakos A., Zogopoulou E., **Miliou H.**, Divanach P. & Katharios, P., 2013. The effect of different phytoplankton species and commercial enrichment products on the fatty acid profile, enzyme activity, and overall condition of the rotifer *Brachionus plicatilis*. *Communications in Agricultural and Applied Biological Sciences* 78(4), 219-222.
- A39. Simitzis, P.E., Tsopelakos, A., Charismiadiou, M.A., Batzina, A., Deligeorgis, S.G. & **Miliou, H.\***, 2014. Comparison of the effects of six stunning/killing procedures on flesh quality of sea bass (*Dicentrarchus labrax*, Linnaeus 1758) and evaluation of clove oil anaesthesia followed by chilling on ice/water slurry for potential implementation in aquaculture. *Aquaculture Research* 45, 1759- 1770.  
DOI: 10.1111/are.12120. Cited 9 times.
- A40. Castritsi-Catharios, J., Alambritis, G., Miliou, H., Cotou, E., & Zouganelis, G.D.,

2014. Comparative Toxicity of “Tin Free” Self-Polishing Copolymer Antifouling Paints and their inhibitory effects on larval development of a non- target organism. *Materials Sciences and Applications* 5, 158-169. Published Online in Scientific Research (Open Access) <http://www.scirp.org/journal/msa>. DOI:10.4236/msa.2014.53020.

A41. Anagnostidis, A., Michailidou, M., Vatsos, I.N., Tsopelakos, A., **Miliou, H.** & Angelidis, P., 2015. Use of frozen mussel (*Mytilus galloprovincialis*) and mussel meal in the diet of sea bass (*Dicentrarchus labrax* Linnaeus, 1758) and sea bream (*Sparus aurata* Linnaeus, 1758) fingerlings – a preliminary study. *Aquaculture Research* 46(1), 252-256.

DOI: 10.1111/are.12174. Cited 3 times.

A42. Kostopoulou, V., **Miliou, H.** & Verriopoulos, G., 2015. Biochemical composition and fatty acid profile in a strain of the lineage “Nevada”, belonging to the *Brachionus plicatilis* (Rotifera) complex, fed different diets. *Aquaculture Research* 46(4), 813-824.

DOI: 10.1111/are.12232. Cited 2 times.

A43. Bellos, G., Angelidis, P. & **Miliou, H.** 2015. Effect of temperature and seasonality principal epizootiological risk factor on Vibriosis and Photobacteriosis outbreaks for European sea bass in Greece (1998-2013). *Journal of Aquaculture Research & Development* 6(5) (Open Access).

DOI: 10.4172/2155-9546.1000338.

A44. Golomazou, E., Malandrakis, E.E., Kavouras, M., Karatzinos T., **Miliou, H.**, Exadactylos, A. & Panagiotaki, P., 2016. Anaesthetic and genotoxic effect of medicinal plant extracts in gilthead seabream (*Sparus aurata* L.). *Aquaculture* 464, 673-682.

DOI: 10.1016/j.aquaculture.2016.08.017. Cited 2 times.

A45. Malandrakis, E.E., Dadali, O., Kavouras, M., Danis, T., Panagiotaki, P., **Miliou, H.**, Tsioli, S., Orfanidis, S., Küpper, F.C. & Exadactylos, A., 2017. Identification of the abiotic stress-related transcription in little Neptune grass *Cymodocea nodosa* with RNA-seq. *Marine Genomics* 34, 47-56.

DOI: 10.1016/j.margen.2017.03.005.

A46. Triantaphyllopoulos K.A., Cartas D., **Miliou H.**, 2019. Factors influencing GH and IGF-I gene expression on growth in teleost fish: how can aquaculture industry benefit? *Reviews in Aquaculture* 1-26, DOI: 10.1111/raq.12402.

## B. PRESENTATIONS IN INTERNATIONAL PEER-REVIEWED CONFERENCES

### \*Corresponding author

- B1. Verriopoulos, G., Moraitou - Apostolopoulou, M. & **Milliou, E.**, 1986. Combined toxicity of four pollutants (Cu, Cr, Oil, Oil Dispersant) to *Artemia salina*. *Rapports et Procès, Commission internationale pour l'exploration scientifique de la Mer Méditerranée* 30(2), 138.
- B2. **Miliou, H.\***, 1988. Joint effects of temperature and salinity on the mortality of *Tisbe*. *Rapports et Procès, Commission internationale pour l'exploration scientifique de la Mer Méditerranée* 31(2), 234.
- B3. Chorianopoulos, E., **Miliou, H.**, Verriopoulos, G. & Moraitou - Apostolopoulou, M., 1992. Differentiation of the populations productivity parameters between two geographical strains of *Tisbe holothuriae*. *Rapports et Procès, Commission internationale pour l'exploration scientifique de la Mer Méditerranée* 33, 247.
- B4. Kostopoulou, V., Kattis, G., **Miliou, H.** & Verriopoulos, G., 2002. Population structure of *Brachionus plicatilis* fed two different diets in batch culture. *10<sup>th</sup> International Symposium on Nutrition and Feeding in Fish, June 2-7, Abstract Book*, 21.
- B5. Kostopoulou, V., **Miliou, H.**, Kattis, G. & Verriopoulos, G., 2003. Changes in the population structure of the rotifer, *Brachionus plicatilis*, batch-cultured under different feeding regimes. *International Conference on Rotifers, June 7-13, Illmitz, Austria, Abstracts*, 55.
- B6. Kostopoulou, V., **Miliou, H.** & Verriopoulos, G., 2009. A synthesis on the study of population dynamics of the rotifer *Brachionus* 'Nevada', belonging to the *B. plicatilis* complex. *12<sup>th</sup> International Symposium on Rotifera, August 16-21, Berlin, Germany, Abstracts*, 101.
- B7. Tsopelakos, A., **Miliou, H.\***, Dalla, C., Papadopoulou-Daifoti, Z., 2011. Effect of different stunning or/and killing treatments on the neurotransmitters of the central nervous system in sea bass, *Dicentrarchus labrax* L. *4th International Symposium "Hydrobiology – Fisheries", June 9-11, Volos, Greece, Book of Abstracts*, 106-110.
- B8. Kostopoulou, V., **Miliou H.\***, & Verriopoulos, G., 2011. Biochemical composition and fatty acid content in the rotifer *Brachionus* "Nevada" in relation to feed composition. *4th International Symposium "Hydrobiology – Fisheries", June 9-11, Volos, Greece, Book of Abstracts*, 132-136.

- B9. Antoniou, V., Syriou, V., **Miliou, E.**, Castritsi-Cathariou, J., 2011. Sensitivity of zebrafish population *Danio rerio* (Hamilton, 1822) (zebrafish), after being exposed to bisphenol A (BPA). *4th International Symposium "Hydrobiology – Fisheries", June 9-11, Volos, Greece, Book of Abstracts*, 77-80.
- B10. Moraiti-Ioannidou, M., Castritsi-Catharios, J., **Miliou, H.**, 2011. Digestive enzymes activity of a parthenogenetic *Artemia* population from alyki (Viotia prefecture, Greece) and investigation of its suitability for aquaculture purposes. *4th International Symposium "Hydrobiology – Fisheries", June 9-11, Volos, Greece, Book of Abstracts*, 154-158.
- B11. **Miliou, H.\***, Tsopelakos, A., Dalla, C. & Papadopoulou-Daifoti, Z., 2011. Effects of pre-slaughter and slaughter methods to the brain monoaminergic activities and plasma glucose levels in sea bass, *Dicentrarchus labrax*. *Aquaculture Europe 2011 (organized by the European Aquaculture Society), October 18-21, Rhodes, Greece, Abstracts*, 711-712.
- B12. Tsironi, T., Papandroulakis, N., Ilia1, V., Tsopelakos, A., **Miliou, H.** & Kotzamanis, Y., 2012. Biochemical composition of eggs and developing larvae of cultured meagre (*Argyrosomus regius*) under different rearing conditions. *XV International Symposium on Fish Nutrition and Feeding, June 4-7, Molde, Norway, Book of Abstracts (poster)*, 214.
- B13. Kounna, C., Fountoulaki, E., Dritsas, D., **Miliou, H.** & Chatzifotis, S., 2012. Preliminary results on nutrient digestibility of juvenile meagre (*Argyrosomus regius*) fed three different protein /energy diets; characteristics of the digestive system. *XV International Symposium on Fish Nutrition and Feeding, June 4-7, Molde, Norway, Book of Abstracts (poster)*, 163.
- B14. Kostopoulou, V., Tsopelakos, A., Zogopoulou, E., **Miliou, H.**, Divanach, P. & Katharios, P., 2013. The effect of different phytoplankton species and commercial enrichment products on the fatty acid profile, enzyme activity, and overall condition of the rotifer *Brachionus plicatilis*. *Larvi 2013, 6<sup>th</sup> Fish and Shellfish Laviculture Symposium, September 2-5, Ghent University, Belgium, Book of Abstracts & Short Communications (poster)*, 219-222.
- B15. Tsopelakos, A., Zogopoulou, E., Karalazos, V., Karakostas, I. & **Miliou, H.\***, 2014. Combined effect of different dietary fatty acid levels on growth performance of sea bass *Dicentrarchus labrax* L. after long term rearing in recirculating aquaculture system. *Aquaculture Europe 2014, October 14-17, Donostia – San Sebastian, Spain, Abstracts (poster)*, 1354-1355.

- B16. Kounna, C., Fountoulaki, E., Pyrenis, G., **Miliou, H.** & Chatzifotis, S., 2014. Apparent nutrient digestability, carcass total composition and growth parameters of meager, *Argyrosomus regius*, fed on diets containing different mixtures of vegetable oils. *Aquaculture Europe 2014, October 14-17, Donostia – San Sebastian, Spain, Abstracts (poster)*, 660-661.
- B17. Karalazos, V., Tsopelakos, A., Zogopoulou, E., Karakostas, I., Rigos, G. & **Miliou, H.**, 2014. The effect of dietary saturated/mono-unsaturated fatty acids ratio at different EPA and DHA levels on European sea bass (*Dicentrarchus labrax*) juveniles. *Aquaculture Europe 2014, October 14-17, Donostia – San Sebastian, Spain, Abstracts*, 614-615.
- B18. Tsopelakos, A., Zogopoulou, E., Papasava, D., Dalla, C., Karalazos, V. & **Miliou, H.**, 2015. Effects of varying essential fatty acid dietary levels and ratios of the brain serotonergic and dopaminergic activities of sea bass *Dicentrarchus labrax*. *Aquaculture Europe 2015, October 20-23, Rotterdam, Netherlands, Abstracts*, 806-807.
- B19. Zogopoulou, E., Tsopelakos, A. & **Miliou, H.**, 2015. Seasonal variations of fat and fatty acid composition of six Mediterranean species discards (Aegean Sea, Greece). *Aquaculture Europe 2015, October 20-23, Rotterdam, Netherlands, (poster in section: Advanced research initiative for nutrition and aquaculture)*.
- B20. Papanikolaou, G., **Miliou H.**, Golomazou, E., Malandrakis, E.E., Dadali, O., Matouzi, A., Exadactylos, A. & Panagiotaki, P., 2016. Study of growth compensation after implementation of starvation - subsequent refeeding feeding protocol in intensively reared seabream. *2nd International Congress on Applied Ichthyology and Aquatic Environment - HydroMediT 2016, November 10-12, Messolonghi, Greece, Book of Proceeding*, 103-107.
- B21. Exadactylos, A., Malandrakis E.E., Gkafas, A.G., Kavouras, M., Konstantinidis, I., Dadali, O., Panagiotaki, P., Koutalianou, M., Katsaros, C., Papathanasiou, V., Tsioli, S., Orfanidis, S., Tsopelakos, A., **Miliou, H.**, Apostolidis, A. & Küpper, F.C., 2016. Marine angiosperm tolerance on environmental stress: physiological - cellular - biochemical - molecular mechanisms related to species and habitat diversity – Thales. *2nd International Congress on Applied Ichthyology and Aquatic Environment - HydroMediT 2016, November 10-12, Messolonghi, Greece, Book of Proceeding*, 357.

- B22. Aubin, J., Lefebvre, S., Callier, M.C., Wilfart, A., Rorque d' Orbcastel, E., Cunha, M.E., Ferreira, H., Gamito, S., Montillaro, J.M., Caruso, D., Cotou, E., Fountoulaki, E., Nahon, S., Metaxa, I. & **Miliou, H.**, 2017. Efficiency and environmental performance of IMTA in marine and freshwater systems. *Aquaculture Europe 2017, October 17-20, Dubrovnik, Croatia, Abstracts*, 43-44.
- B23. **Miliou, H.\***, Chatzoglou, E., Kechagia, P., Tsopelakos, A., Cunha, M.E. & Aubin, J., 2017. Integrated cultivation of european sea bass *Dicentrarchus labrax* and *Ulva* sp. in Recirculating Aquaculture Systems. *Aquaculture Europe 2017, October 17-20, Dubrovnik, Croatia, Abstracts*, 763-764.
- B24. Kounna, C., Chatzifotis, S., **Miliou, H.**, Rigos, G. & Fountoulaki, E., 2017. Water temperature effects on growth, body and tissue composition, and gastric evacuation in juvenile meager (*Argyrosomus regius*). *Aquaculture Europe 2017, October 17-20, Dubrovnik, Croatia, Abstracts (poster)*, 621-622.
- B25. Georgiou, G., Alexandrou, A., Chartosia, N., Hayes, D., Siokouros, Z., Koulendros, I., Triantaphyllidis, G., Hadjidemetriou, N., Paschalides, L., Andreou, M., Panayis, P., Palaonda, D., Ventikos, N., Stamatopoulou, E.A., Sotiralis, P., **Miliou, H.\***, Papoutsoglou, E., Chatzoglou, E., Tsopelakos, A., Papastathis, K., Polychronidou, E., Koukouli, M., Fleris G., Constadinou, G., Atanasova, I., Rafailova, G., Georgiev, P., Kishev, R., Belev, B., Stanca, C., Acomi, N., Duse, A., Panait, C., Olteanu, A., Ghita, S. & Stanga, V., 2017. The MENTOR project: establishment of the Blue Career Center of the eastern Mediterranean and the Black Sea. *Aquaculture Europe 2017, October 17-20, Dubrovnik, Abstracts (poster)*, 765-766.
- B26. **Miliou, H.\***, Chatzoglou, E., Kechagia, P., Tsopelakos, A., Cunha, M.E. & Aubin, J., 2018. Biochemical composition and fatty acid profile of sea bass (*Dicentrarchus labrax*) co-cultured with *Ulva* sp. in recirculating aquaculture system. *AQUA 2018 (co-organised by the European Aquaculture Society and the World Aquaculture Society), August 25-29, Montpellier, France* (submitted and accepted for poster presentation, 1p.).
- B27. **Miliou, H.\***, Georgiou, G.C., Alexandrou, A.N., Chartosia, N., Hayes, D., Matsikaris, A., Mageirou, C., Siokouros, Z., Koulendros, I., Triantaphyllidis, G., Vassiliou, C., Maragkidou, S., Ktoris, A., Neophytou, M., Paschalides, L., Andreou, M., Panayis, P., Palaonda, D., Ventikos, N., Stamatopoulou, E.A., Sotiralis, P., Papoutsoglou, E., Chatzoglou, E., Tsopelakos, A., Papastathis, K., Polychronidou, E., Koukouli, M., Fleris, G., Constadinou, G., Atanasova, I., Rafailova, G., Georgiev, P., Angelova, S., Belev, B., Stanca, C., Acomi, N., Elena

- Duse, A., Panait, C., Ghita, S. & Olteanu, A.C., 2018. Blue Career Center of Eastern Mediterranean and Black Sea: Progress in Mentor Project. *AQUA 2018 (co-organised by the European Aquaculture Society and the World Aquaculture Society)*, August 25-29, Montpellier, France (submitted and accepted for poster presentation, 1p.)
- B28. **Miliou, H.\***, Georgiou, G.C., Alexandrou, A.N., Chartosia, N., Hayes, D.R., Mageirou, C., Matsikaris, A., Siokouros, Z., Koulendros, I., Triantaphyllidis, G., Vassiliou, C., Maragkidou, S., Ktoris, A., Neophytou, M., Paschalides, L., Andreou, M., Panayis, P., Palaonda, D., Ventikos, N., Stamatopoulou, E.A., Sotiralis, P., Papoutsoglou, E., Chatzoglou, E., Tsopelakos, A., Papastathis, K., Polychronidou, E., Koukouli, M., Fleris, G., Constadinou, G., Atanasova, I., Rafailova, G., Georgiev, P., Angelova, S., Belev, B., Stanca, C., Acomi, N., Duse, A., Panait, C., Olteanu, A. & Ghita, S., 2018. Blue Career Center of Eastern Mediterranean and Black Sea (Mentor Project). *HydroMedit 2018, 3<sup>rd</sup> International Congress on Applied Ichthyology & Aquatic Environment, November 8-11, Volos, Greece* (submitted for poster presentation, 2pp.).
- B29. Schoina, E. & **Miliou, H.\***, 2018. Evaluation of the efficacy of isoeugenol in sedating adult gilthead sea bream (*Sparus aurata* L.). *HydroMedit 2018, 3<sup>rd</sup> International Congress on Applied Ichthyology & Aquatic Environment, November 8-11, Volos, Greece* (submitted for oral presentation, 4pp.).
- B30. Tsopelakos, A., Zogopoulou, E., Papasavva, D., Dalla, C. & **Miliou, H.**, 2018. Effects of levels and ratios of fatty acids in feeds with alternative lipid sources on neurotransmitter levels in three brain sections and growth performance of sea bass (*Dicentrarchus labrax* L.). *HydroMedit 2018, 3<sup>rd</sup> International Congress on Applied Ichthyology & Aquatic Environment, November 8-11, Volos, Greece* (submitted for oral presentation, 5pp.).
- B31. Chatzoglou, E., Kechagia, P., Cunha, M.E., Aubin, J. & **Miliou, H.**, 2018. Fatty acid profile, proximate composition and nutrient uptake efficiency of *Ulva* sp. co-cultured with sea bass in recirculating aquaculture system. *HydroMedit 2018, 3<sup>rd</sup> International Congress on Applied Ichthyology & Aquatic Environment, 8-11 November, Volos, Greece* (submitted for oral presentation, 4pp.).
- B32. Efstathiou, P., **Miliou, H.**, Kouskouni, E., Karlovasiti, P., Manolidou, Z. & Efstathiou, A., 2018. Benefits of copper alloy mesh (cam) use in aquaculture. *HydroMedit 2018, 3<sup>rd</sup> International Congress on Applied Ichthyology & Aquatic Environment, November 8-11, Volos, Greece* (submitted for oral presentation, 5pp.).

## Γ. PRESENTATIONS IN NATIONAL PEER-REVIEWED CONFERENCES

- Γ1. Verorriopoulos, G., Dimas, S., Karakasis, I., **Milliou, E.** & Moraitou-Apostolopoulou, M., 1990. The toxicity of pollutant mixtures in Crustaceans. *3rd Panhellenic Symposium of Oceanography & Fisheries, May 14-17, Athens, Book of Abstracts*, 411-418.
- Γ2. Moraitou - Apostolopoulou, M., Veroniopoulos, G. & **Miliou, E.**, 1990. Influence of pollution on zooplanktonic organisms. *5th Panhellenic Conference of Ichthyologists, September 27-29, Athens, Abstracts*, 3pp.
- Γ3. Kapiris, K. & **Miliou, H.**, 1993. Effect of preservation duration on formalin on biometry of Calanoid Copepod *Acartia clausi* (Giebrescht) collected at three different temperatures. *4th Panhellenic Symposium on Oceanography & Fisheries, April 26-29, Rhodes, Proceedings*, 401-404.
- Γ4. **Miliou, H.**, Kapiris, K. & Castritsi - Kathariou, J., 1995. Study of the biochemical composition of the mesozooplankton of the marine region of Kalymnos island. *17th Scientific Conference of the Hellenic Society for Biological Sciences, Patra, Proceedings*, 150-152.
- Γ5. **Miliou, H.**, Kapiris, K. & Castritsi - Kathariou, J., 1995. Study of Aegean Sea microzooplankton of South Aegean Sea. *17th Scientific Conference of the Hellenic Society for Biological Sciences, Patra, Proceedings*, 144-146.
- Γ6. Kostopoulou, V., Kattis, G., Verriopoulos, G., **Miliou, H.** & Apostolopoulou, M., 2001. Preliminary results of the dynamic populations of the rotifer *Brachionus plicatilis* in cultured in hatcheries. *10th Panhellenic Conference of Ichthyologists, 18-20 October, Chania, Proceedings*, 157-160.
- Γ7. Zamboukas, N., **Miliou, H.**, Megalopoulou, P. & Apostolopoulou, M., 2003. Fluctuations in moisture, ash and lipids in the white and red muscle of the Atlantic bonito, *Sarda sarda*, in relation to sex and season in Greek seas. *11th Panhellenic Conference of Ichthyologists, 10-13 April, Preveza, Proceedings*, 139-142.
- Γ8. Tzitzinakis, M., **Miliou, E.** & Verriopoulos, G., 2003. Lipid and fatty acid composition of common octopus, *Octopus vulgaris*, collected from the sea or cultures in closed sea-water system. *11th Panhellenic Conference of Ichthyologists, 10-13 April, Preveza, Proceedings*, 143-146.
- Γ9. Fintikaki, M., Kountouris, T., **Miliou, E.** & Verriopoulos, G., 2003. Study of the effect of temperature on specific growth rate of octopus, *Octopus vulgaris* (Cuvier, 1797). *11th Panhellenic Conference of Ichthyologists, 10-13 April, Preveza, Proceedings*, 147-150.

- Γ10. Katsanevakis, E., Protopapas, N., Stefanopoulou, S., **Miliou, H.**, Apostolopoulou, M. & Verriopoulos, G., 2005. Metabolic rates of *Octopus vulgaris*. *12th Panhellenic Conference of Ichthyologists, 13-16 October, Drama, Proceedings*, 438-441.
- Γ11. Fintikaki, M., Kountouris, T., **Miliou, E.** & Verroopoulos, G., 2005. Study of the combined effect of temperature and body weight on the growth indices of octopus, *Octopus vulgaris* Cuvier 1797. *12th Panhellenic Conference of Ichthyologists, 13-16 October, Drama, Proceedings*, 442-445.
- Γ12. Kountouris, T., Fintikaki, M., **Miliou, H.** & Verriopoulos, G., 2005. Combined effect of temperature and body weight on biochemical composition and protein utilization of the common octopus, *Octopus vulgaris* Cuvier 1797. *12th Panhellenic Conference of Ichthyologists, 13-16 October, Drama, Proceedings*, 446-450.
- Γ13. Kountouris, T., Fintikaki, M., Tzitzinakis, M., **Miliou, H.** & Verriopoulos, G., 2007. Fatty acid composition of the common octopus, *Octopus vulgaris*, in relation to rearing temperature, body weight and specific growth rate. *13th Panhellenic Conference of Ichthyologists, 27-30 September, Mytilini, Proceedings*, 315-318.
- Γ14. Kostopoulou, V., **Miliou, H.**, Kattis, G. & Verroopoulos, G., 2007. Insights into the dynamic populations of the rotifer *Brachionus* 'Nevada' under mass culture conditions. *13th Panhellenic Conference of Ichthyologists, 27-30 September, Mytilini, Proceedings*, 323-326.
- Γ15. Kostopoulou, V., **Miliou, E.** & Verriopoulos, G., 2010. Trade-offs in the *Brachionus* 'Nevada' , in relation to the diet composition. *14th Panhellenic Conference of Ichthyologists, 6-9 May, Piraeus, Proceedings*, 225-228.
- Γ16. Moutsopoulos, A., Christou, E., Zervoudaki, S., Frangoulis, K., Verriopoulos, G. & **Miliou, E.**, 2012. Feeding and egg production of copepod *Clausocalanus furcatus* in a coastal region (Saronikos Gulf). *10th Panhellenic Symposium on Oceanography & Fisheries, 7-11 May, Athens, Book of Abstracts*, 71 (extended oral presentation).
- Γ17. Bellos, G., Angelidis, P. & **Miliou, H.**, 2015. Epizootiological study of the most important bacterial diseases in farmed sea bass in Greece (1998-2013). *13th Panhellenic Veterinary Congress, 8-10 May, Athens*.
- Γ18. Tsopelakos, A., Zogopoulou, E., Dalla, C., Papadopoulou-Daifoti, Z. & **Miliou, E.**, 2015. Partial fish oil substitution in aquafeeds for sea bass (*Dicentrarchus*

*labrax* Linnaeus, 1758) salmon oil aquaculture by-product and rapeseed oil: effect on serotonergic and dopaminergic activity of mesencephalon. *11th Panhellenic Symposium of Oceanography & Fisheries, University of the Aegean, 13-17 May, Mytilene, Lesvos, Book of Abstracts (poster)*, 293-296.

- Γ19. Zogopoulou, E., Tsopelakos, A. & **Miliou, E.**, 2015. Partial fish oil substitution in aquafeeds for sea bass (*Dicentrarchus labrax* Linnaeus, 1758) by salmon oil aquaculture by-product and rapeseed oil: effects on flesh fat and fatty acid composition. *11th Panhellenic Symposium of Oceanography & Fisheries, University of the Aegean, 13-17 May, Mytilene, Lesvos, Book of Abstracts (poster)*, 297-300.
- Γ20. Alevra, A.I., Trikalinos, P.Z., **Miliou, H.**, Papadaki, M., Fountoulaki, E. & Mylonas, C.C., 2018. Analysis of body composition of wild female *Mugil cephalus* (Linnaeus, 1758) in association with reproductive stage. *12th Panhellenic Symposium of Oceanography & Fisheries, 30 May – 3 June, Corfu, Greece, Book of Abstracts*, 29.

#### A. PRESENTATIONS IN NATIONAL CONFERENCES

- Δ1. **Miliou, H.**, Papoutsoglou, E.S. & Tzicha, G., 1996. Growth rate and internal organ increase relative to the size of the female parent in tilapia *Oreochromis aureus*. *12th Annual Scientific Conference of the Hellenic Zoological Society, 23- 25 October, Lamia, Animal Science Review* 19, 78.
- Δ2. **Miliou, H.** & Papoutsoglou, S., 1996. Body composition and values of biochemical parameters in relation to the size of the female parent in tilapia *Oreochromis aureus*. *12th Annual Scientific Conference of the Hellenic Zoological Society, 23-25 October, Lamia, Animal Science Review* 19, 79.
- Δ3. Papoutsoglou, E.S., **Miliou, H.**, Chadio, S., Karakatsouli, N.P. & Zarkada, A., 1996. Study on the level of stress caused by rearing management in sea bream (*Sparus aurata* L.). *12th Annual Scientific Conference of the Hellenic Zoological Society, 23-25 October, Lamia, Animal Science Review* 19, 76.
- Δ4. Papoutsoglou, E., Chadio, S., **Miliou, H.**, Zarkada, A. & Karakatsouli, N., Kyprianidis, T., Kaminaris, P., 1996. Plasma cortisol levels in *Sparus aurata*, (sea

breem), *Oncorhynchus mykiss* (trout) and *Dicentrarchus labrax* (sea bass). *12th Annual Scientific Conference of the Hellenic Zoological Society, 23-25 October, Lamia, Animal Science Review* 19, 77.

- Δ5. Karakatsouli, N., Papoutsoglou, S.E., Nikokyris, P., **Miliou, H.** & Chadio, S., 1996. Influence of the concentration of total suspended particles of farm water on the physiology of tilapia (*Oreochromis aureus*). *12th Scientific Conference of the Hellenic Zoological Society, 23-25 October, Lamia, Animal Science Review* 19, 85.
- Δ6. Tsopelakos, A., **Miliou, H.**, Dalla, C. & Papadopoulou-Daifoti, Z., 2011. Serotonergic activity as an indicator of stress during the stunning / killing of the sea bass *Dicentrarchus labrax* L. *26th Annual Scientific Conference of the Hellenic Zootechnic Society, 12-14 October, Chalkida, Animal Science Review* 37, 103-105.
- Δ7. Simitzis, P., Tsopelakos, A., Charismiadiou, M., Batzina, A., Deligiorgis, S. & **Miliou, H.**, 2011. Comparison of six different stunning - killing processes in the quality of the sea bass flesh (*Dicentrarchus labrax* L.). *26th Annual Scientific Conference of the Hellenic Zootechnical Society, 12-14 October, Chalkida, Animal Science Review* 37, 105-106
- Δ8. Tsopelakos, A., Zogopoulou, E., Karalazos, V., Karakostas, I. & **Miliou, H.**, 2013. Substitution of fish oil with alternative lipid sources: estimation of the combined effect of fatty acids on the growth of sea bass. *28th Annual Scientific Conference of the Hellenic Zootechnical Society, 2-4 October, Florina, Animal Science Review* 39, 139-140
- Δ9. Zogopoulou, E., Tsopelakos, A., Simitzis, P., Symeon, G., Charismiadiou M. & **Miliou, H.**, 2014. Partial replacement of fish oil with salmon oil and rapeseed oil in feeds for sea bass: effect on induces of flesh quality. *29th Annual Scientific Conference of the Hellenic Zootechnic Society, 1-3 October, Kyparissia, Animal Science Review* 40, 89-90
- Δ10. Tsopelakos, A., Zogopoulou, E., Simitzis, P., Symeon, G., Charismiadiou, M. & **Miliou, H.**, 2014. Effect of dietary omega-3 fatty acids with high saturated / monounsaturated ratio on flesh quality parameters of sea bass. *29th Annual Scientific Conference of the Hellenic Zootechnical Society, 1-3 October, Kyparissia, Animal Science Review* 40, 87-88.
- Δ11. **Miliou, H.**, 2018. Education and Research for a Sustainable and Responsible Aquaculture. *Aquaculture Conference 2018: Greek aquaculture as the basic pillar for the development of the national economy, June 22-23, Athens, <https://aquaculture.gr/>*

## **E. PUBLICATIONS IN BOOKS**

- E1. Verriopoulos, G. & **Miliou, H.**, 2013. Rearing of common octopus, *Octopus vulgaris*: Current status in Greece. In: “*Aspects of Mediterranean Marine Aquaculture*”, Edited by P. Angelidis, Blue Crab PC Publisher. Chapter 4, 43-57.
- E2. **Miliou, H.**, 2008. Organic Aquaculture – Prospects of Development, 378pp.

## **ΣΤ. THESES**

- ΣΤ1. **Miliou, H.**, 1984. Combined effects of Cu, Cr, Cr, Oil (tunesian crude Oil zarzaitine type) and Oil dispersant (Finasol OSR-2) on the brine shrimp *Artemia salina*. M.Sc. Thesis, 108 pp.
- ΣΤ2. **Miliou, H.**, 1990. Effect of biotic and abiotic factors on dynamic populations of cultured copepods. National and Kapodistrian University of Athens. Ph.D. Dissertation, 232 pp.

### III. LIST OF JOURNALS (Impact Factor, h-Index)

The Impact Factor of the Journals is given in the list below, as well as the number of Publications per Journal.

\* JCR®JIF: 2018 Latest Impact Factors Journal List, Thomson Reuters, based on 2017 Web of Science (WOS) and published in the Journal Citation Reports® (JCR), Clarivate Analysis.

\*\*RG: 2017/2018 Research Gate Impact Factor.

Journal title	Number of Publications	Impact Factor
Bulletin of Environmental Contamination and Toxicology	1	1.480*
Comparative Biochemistry and Physiology A	2	2.258*
Archiv für Hydrobiologie (1906-2006) Fundamental and Applied Limnology (2007-today)	2	1.361*
Helgoländer Meeresuntersuchungen (1980-1999) Helgoland Marine Research (1999-today)	2	0.949*
Hydrobiologia	1	2.165*
Ophelia (1960-2005) Marine Biology Research (2005-today)	1	0.901*
Journal of Experimental Marine Biology and Ecology	1	1.990*
Crustaceana	1	0.517*
Aquaculture Research	8	1.475*
Archives of Environmental Contamination and Toxicology	1	2.421*
Aquacultural Engineering	2	1.490*
Marine Pollution Bulletin	1	3.241*
Aquaculture International	2	1.283*
Ecotoxicology and Environmental Safety	1	3.974*
Journal of Applied Ichthyology	1	0.774*
Journal of Fish Biology	1	1.702*
Ecological Indicators	1	3.983*

ICES Journal of Marine Science	1	2.906*
Marine Biology	2	2.215*
Aquatic conservation: Marine and Freshwater Ecosystems	1	2.988*
Aquaculture	5	2.710*
Mediterranean Marine Science	1	1.984*
Marine Genomics	1	1.937*
Journal of Biological Research-Thessaloniki	1	1.364*
Communications in Agricultural and Applied Biological Sciences	1	0.09**
Materials Sciences and Applications	1	0.55**
Journal of Aquaculture Research & Development	1	0.37**
<b>TOTAL IMPACT FACTOR</b>		<b>79.8</b>

**h-index (Scopus): 14 (total number of citations)**

**h-index (Scopus): 13 (excluding the self-citations of all authors)**