

Constantinos C. Mylonas, Ph.D.

Director of Research (Researcher A')

**Institute of Marine Biology, Biotechnology and Aquaculture
(IMBBC)**

**Hellenic Centre for Marine Research
(HCMR)**



Curriculum Vitae

Last update on 15 March 2020

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COMMUNICATION and PERSONAL INFORMATION

CURRENT POSITION: Director, Institute of Marine Biology, Biotechnology & Aquaculture

ADJUNCT POSITIONS: 1999-2001. Assistant professor, Center of Marine Biotechnology, University of Maryland Biotechnology Institute, University of Maryland, Baltimore, MD 21202, USA.

BIRTH DATE & PLACE

CITIZENSHIP Cyprus

MARITAL STATUS

MILITARY SERVICE Cypriot National Guard (July 1982 - October 1984)

LANGUAGE PROFICIENCY Greek, English, Italian, Spanish

COMMUNICATION

Institute of Marine Biology, Biotechnology & Aquaculture (IMBBC)

Hellenic Center for Marine Research (HCMR)

Thalassokosmos, Gournes Pediados, Chersonissos 71500

P.O. Box 2214, Iraklion, Crete 71003

Greece

Telephones**E-mail:**

Laboratory website: fishrepro.weebly.com

Institute website: imbbs.hcmr.gr

Project websites (coordinator): magiatiko.weebly.com,
www.diversifyfish.eu,
kranios.weebly.com

PROFESSIONAL INTERESTS and RESEARCH FIELD

My involvement in the field of fish farming started with my undergraduate studies in Aquaculture (B.Sc.), with the intention of finding employment in the marine aquaculture industry in Cyprus. With the decision of continuing my education, I studied the application of pharmacological methods for the induction of ovulation in salmonids and the effect of the treatment on egg quality (M.Sc.). Remaining in the academia, I studied the reproductive endocrinology of marine fishes and the use of controlled-release delivery systems for gonadotropin-releasing hormone agonist (GnRHa), in the induction of ovulation and enhancement of sperm production in cultured fishes (Ph.D.).

My research field may be summarized in (a) the study of fish reproductive biology and endocrinology, (b) the identification of the dysfunctions exhibited by female and male broodstocks in captive conditions, and (c) the development of pharmacological methods for the control of reproduction, induction of spawning and improvement of sperm production in fish of interest for the aquaculture industry. In this framework, I was involved in basic and, mainly, applied research, aiming at the optimization of broodstock management methods, focusing on marine fishes. Therefore, in addition to my cooperation with various research centers, my research gave me the opportunity to be in close contact with the aquaculture industry, and to study more than twenty different cultured fish species. More recently, my research focuses on the study of large benthic and pelagic fishes such as the wreckfish (*Polyprion americanus*), greater amberjack (*Seriola dumerili*) and the Atlantic bluefin tuna (*Thunnus thynnus*), species which we succeeded in controlling their reproduction in captivity for the first time, world-wide. These successes have opened a new chapter in the potential of marine aquaculture, not only in Greece and Europe, but world wide, since all three species are cosmopolitan in distribution and highly demanded in the seafood markets.

In the future, I intend to continue working in the study of reproductive biology of fishes, and the problems they present in the aquaculture industry, and in the optimization of broodstock management methods of cultured, as well as fish with potential for the aquaculture industry. Even in the species that reproduce spontaneously after many years of culture, there is still a need for improvement of the production and gamete quality, as well as for the development of artificial insemination methods, in order to be able to undertake genetic improvement programs and cryopreservation of gametes from selected stocks.

Nevertheless, the ultimate objective of broodstock management in aquaculture should be to understand completely the environmental requirements of culture fishes, so that we can achieve spontaneous spawning. This will not only ameliorate the need for using hormones and handling of the breeders during the sensitive reproductive phase, but more importantly it will result in improvements in egg and larval quality. Therefore, future research directions include the study of environmental factors (temperature, photoperiod, water salinity, etc.) and monitoring breeding behavior, not only as a way to confirm successful broodstock management, but also to search for ways to improve the rearing environment for the fish.

Another area of great interest to the aquaculture field, is the influence of epigenetic modifications caused by the artificial rearing environment during early development of cultured fishes. Such modifications may affect negatively later development (e.g. sex ratio, growth rates, reproductive development or behavior, etc.), and thus have significant implications in the performance and sustainability of the aquaculture industry. Therefore, another research direction recently included in my laboratory has been the influence of early rearing on epigenetic modification in cultured fishes.

EDUCATION

Doctor of Philosophy in Marine-Estuarine and Environmental Sciences (1996), Center of Marine Biotechnology, **University of Maryland**, College Station, Maryland, USA (under Professor Yonathan Zohar).

Dissertation title: Endocrine control of reproduction in striped bass and white bass (genus *Morone*) and applications of gonadotropin-releasing hormone agonist (GnRHa)-delivery systems for the induction of spawning. (366 pp.).

Master of Science in Zoology (1991), **North Carolina State University**, Raleigh, North Carolina, USA (under Drs. Craig V. Sullivan and Jeffrey Hinshaw).

Thesis title: Induced maturation of cultured salmonids: an investigation of the effectiveness of a GnRH analogue and triiodothyronine, and the effects of the treatment on progeny development. (104 pp.).

Bachelor of Science (1988) with Summa Cum Laude Honors (Grade Point Average 3.92/4.00, Summa Cum Lauda) in Wildlife and Fisheries Sciences, Aquaculture option, **Texas A&M University**, College Station, Texas, USA.

NOTABLE ACCOMPLISHMENTS

I have **coordinated** 7 projects, of which 1 from the EU (FP7), 3 National and 3 Bi-National. In addition, I have **participated as the Principle Investigator** from HCMR in 7 EU projects (FP 5, FP7 and H2020). I have acquired a **total funding of 5,36 million euro**, of which 3,8 million from EU funded projects, 976,000 from National projects, and 501,000 from Private contracts with companies and research organizations. I have **published** 1 edited book (in English), 6 book chapters (five in English, one in Greek), **130 articles** in ISI-Indexed Scientific Journals and 2 articles in a not-yet ISI-Indexed Scientific Journal (MDPI Publishers). My **H-index is 37** (Scopus) and I have **2940 citations excluding self-citations** of all co-authors and 4191 total citations. I have **supervised** 18 PhD students, 27 MSc students and 54 BSc students, either as a member of their committee, during the implementation of their research or as supervisor of their practical training in my laboratory. I have presented **23 invited speeches** in Conferences, Workshops and Meetings and **24 invited lectures** in University courses for undergraduate or graduate students, and in Educational organizations for professionals. I have been a **member of the Scientific Programme Committee** of 3 international Conferences (EUROPEAN AQUACULTURE 2011, 2017 and AQUAGAMETE 2015) and have been given the organization of one international conference in 2022 (12th International Symposium on Fish Reproductive Physiology). I have been elected member of the **Board of Directors of the European Aquaculture Society** since 2018.

SCHOLARSHIPS

UNITED STATES OF AMERICA – AGENCY FOR INTERNATIONAL DEVELOPMENT (AMERICA - MIDDLE EAST). 1985-1988. Partial Scholarship for studying for a B.Sc. Degree at Texas A&M University, Texas. Coverage of living expenses, health insurance and academic supplies.

NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES. 1989-1990 – Research Assistantship (living expenses) to carry out research towards a M.Sc. degree at the Department of Zoology, while working in the facilities of Pisgah Forest National Park –Trout Hatchery (Brevard).

UNIVERSITY OF MARYLAND SEAGRANT PROGRAM, 1991-1996 – Research Assistantship (living expenses) to carry out research towards a Ph.D. degree at the Department of Marine-Estuarine and Environmental Sciences, while working at the Center of Marine Biotechnology (Baltimore).

WORK EXPERIENCE

Director (2020 - present) – Institute of Marine Biology, Biotechnology & Aquaculture, Hellenic Center for Marine Research, P.O. Box 2214, Heraklion, Crete 71003, Greece.

Researcher A (Professor equivalent) (since 2007) – Institute of Marine Biology, Biotechnology & Aquaculture, Hellenic Center for Marine Research, P.O. Box 2214, Heraklion, Crete 71003, Greece.

Researcher Level B (Associate Professor equivalent) (2002-2007) – Institute of Aquaculture, Hellenic Center for Marine Research, P.O. Box 2214, Heraklion, Crete 71003, Greece.

Researcher Level C (Assistant Professor equivalent) (1999-2002) – Institute of Marine Biology of Crete, P.O. Box 2214, Heraklion, Crete 71003, Greece.

Consultant – Minerva Insurance Company Ltd., Nicosia, Cyprus (1999). Evaluation of the sea-cage fish-farming operations of Lapertas Fisheries Ltd., Cyprus.

Post-Doctoral Research Associate (1998–1999) - Center of Marine Biotechnology, University of Maryland Biotechnology Institute, Baltimore, U.S.A., under professor Y. Zohar. Studied the gonadotropin II-releasing activities of novel synthetic agonists of two of the recently identified gonadotropin-releasing hormone (GnRH) variants in striped bass (*Morone saxatilis*).

Assistant Hatchery Manager (1997-1998) - Sagro Aquaculture Ltd., Limassol, Cyprus. In charge of the daily operations of a marine hatchery producing four million fingerlings of various marine fishes, including gilthead seabream (*Sparus aurata*), European seabass (*Dicentrarchus labrax*), sharpnose bream (*Diplodus puntazzo*), red porgy (*Pagrus pagrus*), Japanese red seabream (*Pagrus major*) and shi drum (*Umbrina cirrosa*).

Consultant (1994-1996) - Maryland Department of Natural Resources, Annapolis, Maryland, U.S.A. In charge of the development of hatchery techniques and training of hatchery personnel on the induction of spawning of wild American shad (*Alosa sapidissima*).

Consultant (1994) - Aquapharm Technologies, Inc., Columbia, Maryland, U.S.A. In charge of the development, production and field trials of a GnRH delivery system for the induction of ovulation and spermiation of Atlantic salmon (*Salmo salar*), and Pacific salmon and trout (*Oncorhynchus spp.*).

Consultant (1993-1995) - Kibbutz Maagan Michael and Kibbutz Hamaapil, Israel. Development of spawning techniques and training of hatchery managers on the reproduction of white bass (*Morone chrysops*), striped bass (*Morone saxatilis*) and hybrid striped bass.

ADMINISTRATIVE ACTIVITIES

Since 2000, I have been responsible for the broodstock section of the department of aquaculture (Institute of Marine Biology of Crete) and later of the Institute of Aquaculture and the Institute of Marine Biology, Biotechnology and Aquaculture, IMBBC (Hellenic Center of Marine Research). This section consists of 50 tanks with capacity between 500 and 10,000 l, where various broodstocks are maintained, including *Dicentrarchus labrax*, *Sparus aurata*, *Diplodus puntazzo*, *Pagrus pagrus*, *Dentex dentex*, *Diplodus sargus*, *Pagellus erythrinus*, *Epinephelus marginatus*, *Umbrina cirrosa*, *Sciaena umbra*, *Argyrosomus regius* and *Seriola dumerili*. These fish are used for various reproduction experiments, as well as for the production of eggs for sale to the industry (Greece and Europe), and for stocking the experimental facilities of intensive and mesocosm larval rearing. Annual egg production ranges between 300-400 million eggs, whereas sales range between 2-10 kg per annum.

Since 2017, I have been responsible for the Laboratory of Fish Reproduction and Physiology, supervising two permanent technicians, one technician under contract and a number of students (ranging between 3-12 every year) undertaking practical training or thesis research.

Since 2013, I have been elected as a member and was the president of the Scientific Advisory Board for the Institute of Marine Biology, Biotechnology and Aquaculture of HCMR (3 terms).

Between 2015 and 2019, I have been appointed as the Deputy Director of the Institute of Marine Biology, Biotechnology and Aquaculture of HCMR.

Since 2016, I have been responsible for collecting and reporting the number of experimental animals used throughout the IMBBC, dealing with the Ministry of Agriculture Development, Directorate of Veterinary Services.

Since 2018 I have been appointed as the chair of the IMBBC Experimental Protocol Evaluation Committee, evaluating and approving all experimental protocols using experimental animals, and interacting with the Veterinary Services of the Region of Crete.

Since 2019, I have been elected as the Director of the IMBBC, with a 5-year term beginning in 2020.

CONTRACT CONSULTING

Contract consulting has been provided for commercial aquaculture operations as well as research and academic institutions in Greece, Europe and worldwide. The consulting services include (a) evaluation of broodstock reproductive condition and gamete quality, (b) review of broodstock management practices in commercial hatcheries, (c) production of hormonal delivery systems for the induction of spawning and improvement of sperm production, and (d) design of experiments for the induction of reproductive maturation and spawning and evaluation of gamete and egg quality. Consulting also included evaluation of business plans of potential aquaculture enterprises.

2016-current

1. IRIDA S.A., Greece
2. Argosaronikos Fishfarming, Greece
3. Selonda S.A., Greece
4. Kefalonia Fisheries, Greece
5. Kilic Aquaculture, Turkey
6. Galaxidi Marine Farms, Greece
7. ACQUA AZZURA, Italy
8. University of Sao Paulo, Brazil
9. Marinazul, Peru
10. Martec Industrias, Costa Rica
11. KERBER, Brazil
12. STAVRAS Aquatic Solutions, Cyprus
13. Instituto Español de Oceanografía (IEO) Murcia, Spain

2011-2015

1. Alpha Bank Investment, Greece
2. IRIDA S.A., Greece

3. CULMAREX, S.A. (Spain)
4. Malta Aquaculture Research Center, Malta
5. Malta Fish Farming, Malta
6. Futuna Blue, Spain
7. Robian National Prawn Company, Kingdom of Saudi Arabia
8. Agroittica Toscana, Italy
9. IPPIMAR, Portugal
10. Department of Fisheries and Marine Research, Cyprus
11. Galaxidi Marine Farms, Greece
12. FORKYS Aquaculture, Greece
13. Swedish University of Agricultural Sciences, Sweden
14. Net Balıkcılık Malzemeleri, Turkey
15. Centro de Investigacion en Alimentacion y Desaerrollo, Mazatlan, Mexico
16. Kilic Aquaculture, Turkey
17. SELONDA Aquaculture S.A., Greece
18. SAGRO AQUACULTURE LTD, Cyprus
19. Acqua Azzura, Italy
20. Kefalonia Fisheries, Greece
21. Pacifico Azul, Peru

2006-2010

1. Andromeda, S.A., Greece
2. Instituto de Ciencias Marinas de Andalucia (CSIC), Spain
3. IEO, Santander, Spain
4. IRIDA S.A., Greece
5. University of Bologna, Faculty of Veterinary Medicine, Italy
6. Centro de Ciencias Do Mar, Universidade do Algarve, Portugal
7. Clean Seas Tuna Ltd., Australia
8. KEGO S.A., Greece
9. Institute of Aquaculture-IRTA, Spain
10. CCMAR, University of Algarve, Portugal
11. Istituto Zooprofilattico Sperimentale, Italy

2001-2005

1. KEGO S.A., Greece
2. Piscicultura Marina Mediterranea, Spain
3. Andromeda A.E., Greece
4. ENALIOS S.A., Greece
5. Institute of Aquaculture-IRTA, Spain

6. N.P. Fisheries, Cyprus
7. Kibbutz Dan, Israel
8. Institute of Aquaculture of Torre La Sal, Spain
9. Panittica Pugliese, Italy
10. Intervet S.A., France
11. Tinamenor S.A., Spain
12. National Center for Mariculture, Israel Limnological and Oceanographic Institute, Israel
13. Instituto de Ciencias Marinas de Andalucia (CSIC), Spain
14. Istituto Centrale per la Ricerca Scientifica Applicata al Mare (ICRAM), Italy
15. University of Camerino, Italy

OTHER PROFESSIONAL ACTIVITIES

Organizer – International Symposium in Fish Reproductive Physiology, May 2022, Chersonissos, Crete

Scientific Program Committee, co-chair and Steering Committee, member – Aquaculture Europe 2017, The European Aquaculture Society annual international conference, 17-20 October, Dubrovnic, Croatia.

Scientific Committee, member – Biology of Aquatic Gametes conference, 7-11 September 2015, Ancona, Italy.

Scientific Program Committee and co-chair Steering Committee, member – Aquaculture Europe 2011, The European Aquaculture Society annual international conference, 18-21 October, Rhodes, Greece.

Advisory Committee (Member) on "The Use of Exotic and non-Native Species in Aquaculture" 108689/22-3-2010 and 1333/153983/8.11.2018 Decisions of the Director General, Department of Agriculture and Agricultural Development, Greece. 2010- to date

Expert Contributor – **European Food Safety Organization (EFSA)**. Working group on Stunning and Killing of Tuna. 2008-2009, Parma, Italy.

Expert Contributor – **REPROFISH** (EU 6th FP; SSA-2006-044224). A fish reproduction information dissemination project, to gather scientists and the aquaculture industry to identify and extract the most important results of past and current research programmes, and to prepare a review book and plan future actions. 9–10 June, 2007, Rennes, France.

Program Committee, Member – Aquaculture Europe 2007, The European Aquaculture Society annual international conference, 24-27 October, Istanbul, Turkey.

Co-organizer – Special session on tuna biology and culture at the World Aquaculture Congress 2005, 7-12 May, Bali, Indonesia (with Dr. Francesca Ottolenghi).

National Expert Representative – Expert consultation in EU-DG Fisheries on "Introductions, Transfers and Containment of Aquatic Organisms in Aquaculture", after invitation of Dr. Richard Bates, Environment & Health Unit, Fisheries Directorate General, European Commission, Brussels, 2 December, 2003.

Co-organizer - First International Symposium on the Domestication of the bluefin tuna (*Thunnus thynnus*), Cartagena, Spain, 3-8 February, 2002.

Co-organizer - Special session on Mediterranean Aquaculture Sustainability at the international conference AQUA 2000, Nice, France, 2-6 May, 2000 (with Dr. Dennis Lacroix).

PROFESSIONAL SOCIETIES

BOARD OF DIRECTORS

1. European Aquaculture Society, member (2018- present)

MEMBER

- 1 World Aquaculture Society, Baton Rouge, Louisiana, U.S.A. (International, Life Member)
- 2 European Aquaculture Society, Oostende, Belgium (European, Life Member)
- 3 The Fisheries Society of the British Isles, Cambridge, U.K. (International, 1996-2005)
- 4 Association of Greek Researchers, Greece (National, 2004 - present)

RESEARCH FUNDING

TOTAL FUNDING OBTAINED

Summary per year & funding source					
	Greek National (Regional Development Programs, Bi-National Coop, ESPA, EPANeK)	European Commission (5, 6, 7 FP, H2020)	Other National Programs	Services-Consulting	Total
2020		428.650 €		€19.800	448.450 €
2019	132.095 €			€73.040	205.135 €
2018		531.000 €		€52.800	583.800 €
2017				€35.000	35.000 €
2016				€65.000	65.000 €
2015				€55.760	55.760 €
2014				€16.000	16.000 €
2013		1.758.512 €		€20.000	1.778.512 €
2012	50.000 €			16.435 €	66.435 €
2011	476.200 €		5.000 €	36.924 €	518.124 €
2010				10.627 €	10.627 €
2009				15.195 €	15.195 €
2008		511.470 €		11.250 €	522.720 €
2007			45.475 €	25.466 €	70.941 €
2006	124.300 €			5.600 €	129.900 €
2005	161.500 €			12.974 €	174.474 €
2004	11.555 €		2.500 €	4.480 €	18.535 €
2003				10.240 €	10.240 €
2002		138.391 €		3.785 €	142.176 €
2001	8.800 €	444.286 €		11.340 €	464.426 €
2000	12.300 €		17.000 €		29.300 €
1999					0 €
Total	976.750 €	3.812.309 €	69.975 €	501.716 €	5.360.750 €

FUNDED PROJECTS

1. (May 2020-2023) BESTBROOD: Identification of broodstock performance indicators and markers to boost the aquaculture of emerging fish species. **Horizon 2020 (ERA-NET BLUEBIO 2020)**, €1,921,854 (Total) €174,650 for HCMR (Partner Principle Investigator and WP 4 leader)
2. (January 2020-2024) NEWTECHAQUA: New Technologies, Tools and Strategies for a Sustainable, Resilient and Innovative European Aquaculture, under the Call: Sustainable European aquaculture 4.0: nutrition and breeding, **Horizon 2020 (DT-BG-04-2018-2019)**, €6,999,996 (Total) €254,500 for HCMR (Partner Principle Investigator and WP 4 leader)
3. (May 2019-April 2022) MAGIATIKO: Improvement of broodstock management practices and production of juveniles of greater amberjack (*Seriola dumerili*). **ESPA 2014-2020 Operational Programme Competitiveness, Entrepreneurship and Innovation 2014-2020 (EPAnEK)**, Ministry of Education, Lifelong Learning and Religious Affairs, General Secretariat for Research and Technology, Greece (T6YBII-00068). €353,399 (Total) €132,095 for HCMR (Coordinator and Principle Investigator HCMR)
4. (May 2017-2021) MedAID: Mediterranean Aquaculture Integrated Development, **Horizon 2020 (SFS-23-2016-2)**, €6,999,996 (Total) €531,000 for HCMR (Principle Investigator HCMR)
5. (December 2013-2018) DIVERSIFY: Enhancing the European aquaculture production by removing production bottlenecks of emerging species, producing new products and accessing new markets, **7th Framework Programme, Specific Targeted Research Programmes**, European Commission (KBBE2013.1.2.09 Diversification of fish species and products in European Aquaculture), European Commission, €11,838,080 (Total) €1,758,012 for HCMR (Project Coordinator, Principle Investigator HCMR)
6. (June 2012) AQUAGAMETE: Assessing and improving the quality of aquatic animal gametes to enhance aquatic resources. The need to harmonize and standardize evolving methodologies, and improve transfer from academia to industry. **7th Framework Programme, Specific Targeted Research Programmes, (COST FA 1205)**, European Commission (National Representative, Member of Management Committee)
7. (December 2012-2015) ARXIMIDIS: Artificial induction of ovulation and enhancement of spermiation in thick-lipped grey mullet (*Chelon labrosus*): applications for the control of reproduction in rearing conditions, **Archimides II-support of research teams in Alexander TEI of Thessaliniki (OPS 383572)**, Ministry of Education and Religious Affairs, Greece, €20,000 (Subcontractor)
8. (March 2012-2014) SPARCOMP: Comparative transcriptomics in four sparid species using next-generation sequencing and comparative mapping based on available genetic information from model fish species. **ARISTEIA, Operational Programme "Education and Lifelong Learning"**, Ministry of Education, Lifelong Learning and Religious Affairs, General Secretariat for Research and Technology, Greece. €400,000 (Partner)
9. (March 2011-2014) THYNNOS: Reproduction of Atlantic bluefin tuna (*Thunnus thynnus*) in culture conditions and production of fingerlings for growout. **ESPA 2007-2013 "SMEs"**, Ministry of Education, Lifelong Learning and Religious Affairs, General Secretariat for Research and Technology, Greece (9SMEs2009). €500,000 (Total) €190,000 for HCMR (Principle Investigator HCMR)
10. (February 2011-2014) KRANIOS: Development of methods for reproduction and rearing of meagre (*Argyrosomus regius*) as a means for the enhancement of the competitiveness of aquaculture, with the introduction of new species. **ESPA 2007-2013 "Cooperation"**, Ministry of Education, Lifelong Learning and Religious Affairs, General Secretariat for Research and

- Technology, Greece (SYN09-24-424). €486,000 (Coordinator and Principle Investigator HCMR). *This project was declared as “exemplary” and was presented in the International Fair of Thessaloniki in 2012, the General Secretariat for Research and Technology.*
11. (January 2011) CHRONOSOLEA: Reproductive rhythms in Senegalese sole: neuroendocrine regulation and the role of thermo-/photo-cycles in its establishment and maturation during early development. **Ministry of Education and Science, Spanish Government** (AGL2010-22139-C03-02). €113,000 (Subcontractor)
 12. (January 2008) SELFDOTT: From capture-based to self-sustained aquaculture and domestication of bluefin tuna, *Thunnus thynnus* (KBBE-2007-212797). **7th Framework Programme, Specific Targeted Research Programmes**, European Commission (KBBE-2007-1-2-09). €4,000,000 (Principle Investigator HCMR, Workpackage coordinator)
 13. (March 2007) Set up of an integrated system of the bluefin tuna (*Thunnus thynnus*) farming in the Gulf of Taranto. **Progetto Strategico, Regione Puglia Assessorato Bilancio E Programmazione** (ALLOTUNA, Progetto CIP 085). €2,024,272 euro (Subcontractor)
 14. (November 2007) SOLEA II: Improvement of *Solea senegalensis* reproduction in captivity, by the development of adequate hormonal therapies and the use of suitable biomarkers for the assessment of broodstock stress and seed quality. **Ministry of Education and Science, Spanish Government** (AGL2006-13777-C03). €12,000 (Coordinator and Principle Investigator HCMR).
 15. (February 2006) TUNAFEED: Development of commercial diets for the cultivation of bluefin tuna (*Thunnus thynnus*). **Enterprise Program of Ionian Islands, General Secretariat of Research and Technology**. €1,000,000 (Partner, Workpackage coordinator)
 16. (January 2006) GROWOUT: Development of a novel method for the culture of European sea bass (*Dicentrarchus labrax*) based on sex differentiation and manipulation of environmental rearing parameters. **Enterprise Program of North Aegean, General Secretariat of Research and Technology**. €775,114 (Partner, Workpackage coordinator)
 17. (January 2005) GLWSSA: Improvement of the Aquaculture production in the Mediterranean by developing reproduction control methods for a new species, the sole (*Solea senegalensis*). **Spain-Greece Joint Research and Technology Programmes (2004-2006)**, General Secretariat of Research and Technology. €10,500 (Coordinator)
 18. (February 2004) ICHTHYONYMFI: Development of methods for the control of reproduction and culture of shi drum (*Umbrina cirrosa*). **Cyprus-Greece Joint Research and Technology Programmes (2002-2004)**, General Secretariat of Research and Technology. €11,555 (Coordinator and Principle Investigator HCMR)
 19. (March 2004) WEALTH: Welfare and health in sustainable aquaculture (Contract number 501984), **6th Framework Programme, Specific Targeted Research Programmes**, European Commission. €1,500,000 (National Representative, Member of Management Committee)
 20. (March 2004) PYTHAGORAS: Environmental control of sex in zebrafish *Danio rerio* (Hamilton, 1822): Differentiation of the reproductive and central nervous system. **PYTHAGORAS Support of Academic Research Teams**, Ministry of Education and Religion, Greece. (Subcontractor)
 21. (June 2004) FASTGROWERS: Novel methods of reproduction and larval rearing of fast-growing fishes. **Operational Programme Fisheries (EPAL) 2000-2006**. Ministry of Agriculture, Greece. €150,000 (Partner, Workpackage coordinator)
 22. (October, 2003) Effect of *in vitro* ovulation on quality of eggs. **5th Framework Programme, Improving Human Research Potential and Socioeconomic Base**, European Commission €30,000 (Subcontractor)

23. (September 2003) SOLEA: Physiological study of the reproduction of sole (*Solea senegalensis*) and development of hormonal therapies for the control of spermiation and spawning in captivity. **Ministry of Science and Technology (SPAIN), Scientific Investigation and Technological Development Projects (2000-2003), Agricultural Resources and Technologies (AGL2003-07670/ACU)**. €138,869 (Subcontractor)
24. (January 2003) Induced spawning and non-intrusive assessment of reproductive and welfare status of sturgeons for restocking (Collaborative Linkage Grant). **NATO Science Programme, Cooperative Science and Technology Sub-Programme, NATO**. €12,720 (Subcontractor)
25. (January 2002) REPRODOTT: Reproduction of the bluefin tuna in captivity: a feasibility study for the domestication of *Thunnus thynnus* (QLRT-2001-01355). **5th Framework Programme, Shared Cost RTD. Theme 1. Quality of Life and Management of Living Resources**, European Commission. €1,507,000 (Principle Investigator HCMR, Workpackage coordinator)
26. (February 2001) DOTT: Domestication of the bluefin tuna, *Thunnus thynnus* (Q5AM-2001-00063). **5th Framework Programme, Accompanying Measures Theme 1. Quality of Life and Management of Living Resources**, European Commission. €90,000 (Principle Investigator HCMR)
27. (January 2001) PROBASS: Improving production efficiency of sea bass farming by developing methodologies to eliminate environmental androgenesis (QLRT-1999-31365). **5th Framework Programme, Shared Cost RTD. Theme 1. Quality of Life and Management of Living Resources**, European Commission. €1,336,000 (Principle Investigator HCMR, Workpackage coordinator)
28. (January 2001) MYLOKOPI: Development of methods for the control of reproduction and culture of shi drum (*Umbrina cirrosa*) for the diversification of aquaculture production in Cyprus and Greece. **Cyprus-Greece Joint Research and Technology Programmes (2000-2002)**, General Secretariat of Research and Technology. €8,800 (Coordinator and Principle Investigator HCMR)
29. (April 2000) LAVRAKI: Environmental and pharmacological manipulations for the improvement of methods for the control of early reproductive maturation, ovulation and sperm production in the European sea bass (*Dicentrarchus labrax*). **3rd Programme for the Financing of Research Projects**, Research Promotion Foundation, Republic of Cyprus, €98,000 euro (Principle Investigator HCMR, Workpackage coordinator)
30. (February 2000) ISPANIA-MYLONAS: Use of polymer-based, controlled-release delivery systems for gonadotropin-releasing hormone agonists (GnRH_a) for the optimization of spawning induction methods for cultured fishes, with emphasis on the European sea bass (*Dicentrarchus labrax*). **Spain-Greece Joint Research and Technology Programmes**, General Secretariat of Research and Technology. 4,2 million GRD (Coordinator and Principle Investigator HCMR)

RESEARCH PROPOSAL and PROJECT EVALUATION

- 2020, 2011, 2008, 2006. The United States - Israel Binational Agriculture Research and Development Fund (BARD), Israel.
2017. Operational Program "Development of Human Resources, Education and Lifelong Learning", NSRF 2014-2020, Greece. Evaluator of research proposals.
2015. CORFO, Chile - PROGRAM of development technology strategic to the impulse of rearing of chilean seabass (*Dissostichus eleginoides*), in the MESOREGION AUSTRAL of CHILE."

(Code 15PTEC-47386), submitted to the “STRATEGIC TECHNOLOGICAL PROGRAM, CALL FOR THE DEVELOPMENT OF AQUACULTURE” of CORFO

2014. United States of America Department of Agriculture (USDA), External reviewer of Small Business Innovation Research (SBIR) Proposals.
2011. European Commission, Directorate General for Research, Technology and Development (DG RESEARCH). External reviewer of 7th Framework Program (KBBE), mid term and final evaluation.
2008. The National Foundation for Science, Higher Education and Technological Development of the Republic of Croatia (NZZ Installation Grants 02.05), Croatia.
2006. Technology Foundation (Technologiestichting STW), The Netherlands.
2003. The Biotechnology and Biological Sciences Research Council (BBSRC), United Kingdom.

INVITED SPEECHES

2019. The New Zealand Institute for Plant and Food Research. Invited presentation to the staff of the institute in the framework of a “seed project” acquired by Dr Matthew Wylie for the development of aquaculture of emerging finfish species. 11 December 2010, Nelson, New Zealand
2018. The 3rd International Congress on Applied Ichthyology & Aquatic Sciences. Plenary presentation (invited) in the Thematic Area “Aquaculture” titled “Broodstock management and spawning induction of greater amberjack (*Seriola dumerili*)”, 8-11 November, Volos, Greece.
2018. The 11th International Symposium on Reproductive Physiology of Fish. Plenary presentation (invited) in the Section “Fertilization and gamete quality” titled “Broodstock management and spawning induction of greater amberjack *Seriola dumerili* reared in sea cages in Greece”, 3-8 June, Manaus, Brazil.
2018. Galaxidi Marine Farms. Invited presentation to the technical management staff of the company and two other collaborating companies (Kefalonia Fisheries, Greece and CULMAREX, Spain) titled “Aquaculture species diversification: controlling reproduction in greater amberjack (*Seriola dumerili*)”, 5-6 February, Galaxidi, Greece.
2017. Galaxidi Marine Farms. Invited presentation to the technical management staff of the company and two other collaborating companies (Kefalonia Fisheries, Greece and CULMAREX, Spain) titled “Broodstock management and gamete quality”, 13-14 February, Galaxidi, Greece.
2016. Aquaculture Europe 2016, EAS Annual Conference. Invited presentation at the EATiP Day: Exploring the biological and socioeconomic potential of new/emerging candidate fish species for the expansion of the European aquaculture industry, 20-23 September, Edinburg, Scotland.
2016. Aquaculture Europe 2016, EAS Annual Conference. Invited presentation at the EU Forum: Diversification of fish species and products in European aquaculture – “DIVERSIFY”, 20-23 September, Edinburg, Scotland.
2016. Offshore Mariculture Conference, Europe. Invited presentation titled “DIVERSIFY: An EU project exploring the biological and socio-economic potential of new/emerging candidate finfish species for the expansion of the aquaculture industry”. 6-8 April, Barcelona, Spain.
2015. Galaxidi Marine Farms. Invited presentation to the technical management staff of the company and two other collaborating companies (Kefalonia Fisheries, Greece and CULMAREX, Spain) in the area of “Species Diversification Research in Europe”, 13-14

- February, Galaxidi, Greece.
2015. INVE AQUACULTURE, European Customer Seminar 2015. Invited presentation on "Broodstock Management". 14-15 October, Iraklion, Crete, Greece.
2015. EPICONCEPT Conference 2015 organized by the Cost Action FA1201 Epiconcept: Epigenetics and Periconception Environment. Invited presentation titled "AQUAGAMETE: Assessing and improving the quality of animal gametes to enhance aquatic resources". 6-7 September, Hersonissos, Crete, Greece.
2014. Galaxidi Marine Farms. Invited presentation to the technical management staff of the company and two other collaborating companies (Kefalonia Fisheries, Greece and CULMAREX, Spain) in the area of "Fish Reproduction and Broodstock Management", 13-14 February, Galaxidi, Greece.
2014. AQUACIENCIA 2014 (6th Conference) organized by Sociedade Brasileira de Aquicultura e Biologia Aquatica. Invited Plenary speech on "Fish Reproductive Dysfunction and hormonal manipulations of maturation in aquaculture fish", 1-5 September, Foz de Iguasu, Brasil.
2012. The 10th National Congress of S.I.R.A. (Italian Society of Animal Reproduction). Invited speech on "Control of reproduction in aquaculture". Tirane International Hotel, 23-26 May, Tirane, Albania.
2012. Ege University workshop on "Innovation in aquaculture". Invited speech on "Control of reproduction in aquaculture", 8-9 May, Izmir, Turkey.
2010. INVE AQUACULTURE Workshop on marine fish larval quality. Invited speech on "Reproduction in captivity and broodstock management", 25 April, Belgium.
2008. AQUABREED (FP6-2005-SSP-044424)-REPROFISH (FP6-SSA-2006-044224) Joint Workshop. Invited speech on "Controlling reproduction in captivity using spawning inducers" and panel member of a joined 3-day session with the objective of discussing a joint definition of research needs by the industry in collaboration with scientific institutes; to promote a progressive integration of the European aquaculture industry into the Farm Animal Breeding and Reproduction Technological platform (FABRE-TP) and the European Aquaculture Technological Platform (EATP).
2007. PROFET Policy Workshop (Q5-AM-2002-0256): What future for Mediterranean Marine Aquaculture. Invited speech at the EU-organized workshop, with the title "Tuna: closing the cycle - a dream or reality?". 22-23 November, Athens, Greece.
2006. University of Kinki, Japan. Plenary talk titled "Artificial induction of maturation and spawning of Atlantic bluefin tuna *Thunnus thynnus*" at the 5th International Symposium on Ecology and Aquaculture of Bluefin Tuna, 11 November.
2006. Bribie Island Aquaculture Research Center, Bribie Island, Sunshine Coast, Australia. Graduate Seminar Series. "Reproductive endocrinology and dysfunctions, and Assisted Reproduction Technologies (ART) in cultured fishes", 3 September.
2006. Australasian Aquaculture. Invited speech at the special session on Tuna Aquaculture, titled "Induction of ovulation and production of viable larvae of bluefin tuna (*Thunnus thynnus*) using GnRH_a implants". 28 August, Adelaide, Australia.
2005. University of Cyprus, Biological Sciences Department. Graduate Seminar Series. "Reproductive endocrinology and dysfunctions, and Assisted Reproduction Technologies (ART) in cultured fishes", 3 November.
2005. VIth EFARO workshop on Species Diversification in Aquaculture, Budapest, Hungary. "Reproduction and egg quality in fish", 17-19 February.

2004. Istituto Thalassografico di Messina, Italy. "Reproductive dysfunctions of cultured fish and hormonal induction of spawning", 29 March.

TEACHING EXPERIENCE

Visiting Instructor (2018) – University of Cyprus, Department of Biology, 24 October. “Fish Reproduction and Aquaculture”. Lecture in the graduate seminar series.

Visiting Instructor (2018) – International Marine Center, Sardenia, Italy. Scientific School Aquaculture RISE, 24-29 September. Special lectures on “Control of Reproduction in Fish” and “Gamete quality”.

Visiting Instructor (2018) – University of Bologna, Department of Aquaculture, 13 March. “Fish Reproduction and Management in Aquaculture”. Lecture in the undergraduate course “Aquaculture”.

Visiting Instructor (2018) – Mediterranean Agronomic Institute of Zaragoza, CIHEAM, Spain. "Reproductive dysfunctions and hormonal induction of ovulation, spermiation and spawning", 19-23 January. Special lecture within an Advanced Course on Advances in Fish Reproduction and Their Application to Broodstock Management.

Visiting Instructor (2016-2018) - University of Crete, Department of Biology, Joint Masters Program in “Aquaculture, Environment and Society (ACES)”, Seminar and Laboratory practicals in the subject of "Reproduction and Broodstock Management" and “Gamete quality”.

Visiting Instructor (2005-2018) - University of Crete, Department of Biology. “Reproduction in fish”, Seminar in the graduate seminar series.

Visiting Instructor (2010-2017) - University of Crete, Department of Biology. “Writing a scientific publication”, Seminar in the undergraduate course "Evolutionary ecology".

Visiting Instructor (2011-2018) - University of Crete, Department of Biology. “Reproductive biology and broodstock management”, Seminar in the undergraduate course "Marine Biotechnology".

Visiting Instructor (2012) – Mediterranean Agronomic Institute of Zaragoza, CIHEAM, Spain. "Reproductive Dysfunctions and Hormonal Induction of Ovulation, Spermiation and Spawning", 23-28 January. Special lecture within an Advanced Course on Advances in Fish Reproduction and Their Application to Broodstock Management.

Visiting Instructor (2008) - University of Thessaly, School of Agricultural Sciences, Department of Ichthyology and Aquatic Environment. “Reproductive biology, dysfunctions and pharmacological methods for the control of final maturation, spermiation and spawning in culture fishes”, 7 March. Seminar in the graduate seminar series.

Visiting Instructor (2007) – Mediterranean Agronomic Institute of Zaragoza, CIHEAM, Spain. "Reproductive Dysfunctions and Hormonal Induction of Ovulation, Spermiation and Spawning", 19-24 February. Special lecture within an Advanced Course on Advances in Fish Reproduction and Their Application to Broodstock Management.

Visiting Instructor (2005) - University of Cyprus, Department of Biological Sciences. “Reproductive endocrinology, dysfunctions and assisted reproduction technologies (ART) in cultured fishes”, 4 November. Seminar in the graduate seminar series.

Visiting Instructor (2005) - University of Crete, Department of Biology. “Reproduction in fish”, 10 February. Seminar in the graduate seminar series.

Visiting Instructor (2004) - Università degli Studi di Bari, Italy. "Reproductive dysfunctions of cultured fish and hormonal induction of spawning", 26-27 March. Special lecture in a 2-day workshop on "Advances in Biotechnology in Fish Reproduction".

Visiting Instructor (2003) - Mediterranean Agronomic Institute of Zaragoza, CIHEAM, Spain. "Hormonal Spawning Induction", 3-7 February. Special lecture within an Advanced Course on Advances in Fish Reproduction and Their Application to Broodstock Management.

Visiting Instructor (2001) - Università degli Studi di Udine, Italy. "Reproduction of fish in Captivity: technologies applied to new species", 14 December. Special lecture in a one-day workshop on Aquaculture (Giornate di aggiornamento sull'acquacoltura).

Visiting Instructor (2001) - Mediterranean Agronomic Institute of Zaragoza, CIHEAM, Spain. "Reproduction", 2-6 April. Special lecture within an Advanced Course on Aquaculture Fish Breeding Programmes.

Visiting Instructor (2000) - Università degli Studi di Ancona, Italy. "Reproductive dysfunctions of cultured fish and control of spawning in cultured fish", 6 December. Special lecture in the undergraduate course of Animal Reproduction (Corso di Laurea in Scienze Biologiche).

Visiting Instructor (2000) - Università di Camerino, Italy. "Reproductive dysfunctions of cultured fish", 5 December. Inaugural lecture of a new curriculum of studies in Animal Science (Tecnologie per la filiera delle risorse alimentari).

Teaching Assistant (1988-1991) - Zoology Department, North Carolina State University, under Dr. B. Grimes. Instructed and supervised undergraduate students in Zoology, Cell and Animal Physiology Lab a one-hour classroom and three-hour laboratory course designed to teach current techniques and the use of equipment employed in physiological research to senior students in the pre-medicine curriculum (8 sections of 15 students).

STUDENT SUPERVISION

DOCTOR OF PHILOSOPHY

Stefano Lancerotto, University of Crete. Department of Biology. Management of terrestrial & aquatic living resources (2019-) (co-advised with Professors Dr Michail Pavlides and Dr Maroudio Kentouri)

Major supervisor, Title of project: Use of recombinant gonadotropin hormones for the induction of gametogenesis in the greater amberjack (*Seriola dumerili*).

Ioannis Fakriadis, University of Crete. Department of Biology. Management of terrestrial & aquatic living resources (2015-) (co-advised with Professors Dr Michail Pavlides and Dr Maroudio Kentouri)

Major supervisor, Title of project: Reproductive cycle, spawning induction in greater amberjack (*Seriola dumerili*) and evaluation of sperm quality using CASA.

Isabel Forner Piquer, Università Politecnica delle Marche, Ancona, Italy (2016, 3 months)

Supervisor during the execution of her experiments: Effect of pollutants on the reproductive physiology of gilthead seabream (*Sparus aurata*).

Zohar Ibarra Zatarain, Università Autonoma de Barcelona, Barcelona, Spain (2015, Advisors Prof Joan Carles Balasch and Dr Neil Duncan, IRTA, Spain)

External evaluator of Dissertation: The role of stress coping style in reproduction and other biological aspects in the aquaculture species, Senegalese sole (*Solea senegalensis*) and gilthead seabream (*Sparus aurata*).

Paulo Henrique de Mello, Universidade de Sao Paolo, Instituto de Biociencias, Brazil (2014, 7 months)

Supervisor during a training scholarship (FAPESP, Brazil): Spawning induction, egg quality and larval rearing of meagre (*Argyrosomus regius*).

Alexios Glaropoulos, University of Crete. Department of Biology. Management of terrestrial & aquatic living resources (2014)

Member of Ph.D. Evaluation Committee: Escape-related behavior of the main Mediterranean farmed species - Gilthead sea bream (*Sparus aurata*) and European sea bass (*Dicentrarchus labrax*).

Miriam Sánchez Hernández, University of Murcia, Spain. Faculty of Biology, Department of Cellular Biology and Histology (2013)

External Examiner: Effect of testosterone on reproductive and immune systems of gilthead seabream (*Sparus aurata* L.). Identification of a constitutively active androgen receptor variant.

José-María Guzmán Jiménez, University of Cadiz, Spain. Faculty of Marine and Environmental Sciences, Department of Biology (2010)

External Examiner: Estudio fisiológico de la reproducción del lenguado Senegalés (*Solea senegalensis*) y desarrollo de terapias hormonales para el control de la espermiación y puesta en cautividad.

Eleftheria Fanouraki, University of Crete. Department of Biology. Management of terrestrial & aquatic living resources (2010)

Member of Ph.D. Research Committee: Development of non-invasive indicators for stress assessment in Mediterranean fish, with emphasis in the European sea bass (*Dicentrarchus labrax*).

Laia Navarro-Martín, University of Barcelona, Barcelona, Spain. Faculty of Biology, Department of Physiology (2009)

External Examiner: Regulatory mechanisms and effects of temperature during sea bass (*Dicentrarchus labrax*) sex differentiation.

Dane Newman, Deakin University, Victoria, Australia. School of Life and Environmental Sciences (2008)

External Examiner: Biology and management of Murray cod reproduction within controlled environments.

Spyros Kollias, University of Crete. Department of Biology. Management of terrestrial & aquatic living resources (2007)

Member of Qualifying Exams committee: The role of cortisol in stress response in fish.

Riccardo Caprioli, University of Rome “Tor Vergata”, Department of Biology (2007)

Practical Training: Broodstock management and spawning induction in marine fishes.

Eleftheria Fanouraki, University of Crete. Department of Biology. Management of terrestrial & aquatic living resources (2006)

Member of Qualifying Exams committee: Endocrine interactions of stress and reproduction in fish.

Konstantinos Ambatzis, University of Crete. Department of Biology. Management of terrestrial & aquatic living resources (2006)

Member of Qualifying Exams committee: Ontogeny, distribution and function of gonadotropin releasing hormone (GnRH) in fish.

Ioannis Papadakis, University of Crete. Department of Biology. Management of terrestrial & aquatic living resources (2005)

Member of Qualifying Exams committee: Ontogeny of the digestive system in cultured fishes.

Dimitris Sfakianakis, University of Crete. Department of Biology. Management of terrestrial & aquatic living resources (2004)

Member of Qualifying Exams committee: Ontogeny of the digestive system in cultured fishes.

Aglaia Antoniou, University of Crete. Department of Biology. Management of terrestrial & aquatic living resources (2003)

Member of Qualifying Exams committee: Evolution and function of gonadotropin releasing hormones (GnRHs).

Simona Rainis, Ph. D. candidate, University of Firenze, Italy. Special training (2002)

Title of Project: Extension of the spermiation period of European sea bass (*Dicentrarchus labrax*) using GnRH α administered in controlled-release delivery systems.

MASTER OF SCIENCE

Joshua Superio, Erasmus Mundus-Joint Master Degree in Aquaculture, Environment and Society ACES, University of Crete. (2019-2020) (co-advised with Dr Emmanouil Ladoukakis)

Title of project: Parentage contribution in spawning European seabass (*Dicentrarchus labrax*) broodstocks and correlation with fertilization success and larval survival.

Marina Pouli, University of Crete. Department of Biology. Management of terrestrial & aquatic living resources (2017-2019) (co-advised with Dr Elena Sarropoulou)

Title of project: Histological and molecular aspects of sex differentiation in greater amberjack (*Seriola dumerili*).

Stefano Lancerotto, Universita Politecnica delle Marche, Ancona, Dipartimento di Scienze della Vita e dell' Ambiente, Italy (2018-19, 12 months).

Title of project: Comparison and evaluation of three commonly used disinfectants on meagre (*Argyrosomus regius*) eggs.

Natalia Sofia Montero Nardim Superio, Erasmus Mundus-Joint Master Degree in Aquaculture, Environment and Society ACES, University of Crete. (2017-2018) (co-advised with Professor Michalis Pavlidis)

Title of project: Effect of treatment with GnRH α during mid gametogenesis on the reproductive maturation of greater amberjack (*Seriola dumerili*).

Emmanuella Bernadou, University of Crete. Department of Biology. Management of terrestrial & aquatic living resources (2016-2018) (co-advised with Professor Dr Michail Pavlides and Dr Stavros Chatzifotis)

Title of project: Influence of diet and management of greater amberjack (*Seriola dumerili*) broodstock on the quality and composition of eggs during the reproductive season.

Eugenio Zanata, Universita di Padova, Dipartimento di Biologia, Italy (2018, 6 months).

Title of project: Enhancement of spermiation in meagre (*Argyrosomus regius*) by using gonadotropin releasing hormone agonist (GnRH_a) implants.

Dimitris Karamanlidis, University of Crete. Department of Biology. Management of terrestrial & aquatic living resources (2015-2016) (co-advised with Professor Dr Michail Pavlides)

Title of project: Evolution of sex ratio and egg production in gilthead seabream (*Sparus aurata*) during five consecutive reproductive seasons.

Francesca Lisi, University of Barcelona, Spain. (2016) (co-advised with Prof Isabel Navarro)

Title of project: Greater amberjack (*Seriola dumerili*) spawning induction trial: effects of different GnRH_a treatments on spawning dynamics and egg/larval performance parameters.

Renata Flec Pontes dos Santos, University of the Algarve, Faro, Portugal. (2015-2016) (co-advised with Prof Elsa Cabrita)

Title of project: Enhancement of spermiation in meagre (*Argyrosomus regius*) using two administration methods of GnRH_a.

Tomasso Biglino, Lund University, Sweden. (2014) (co-advised)

Title of project: Spermiation and sperm quality during induced spawning of meagre (*Argyrosomus regius*).

Maria Smyrli, University of Crete. Department of Biology. Management of terrestrial & aquatic living resources (2012-2014) (co-advised with Associate Professor Dr Michail Pavlides and Dr Pantelis Katharios)

Title of project: Development of experimental autogenous vaccine against bacteria pathogenic to intensively cultured seabass (*Dicentrarchus labrax*).

Eufrosini Fatira, University of Crete. Department of Biology. Management of terrestrial & aquatic living resources (2012-2014) (co-advised with Associate Professor Dr Michail Pavlides)

Title of project: Comparison of GnRH_a implants and injection on the reproductive performance of meagre (*Argyrosomus regius*).

Christina Saapoglou, University of Crete. Department of Biology. Management of terrestrial & aquatic living resources (2009-2013) (member of defense committee)

Title of project: Reproductive maturation and sex reversal in gilthead seabream (*Sparus aurata*) in commercial aquaculture production sea cages.

Cinzia Castaldo, University of Padova. (2011) (co-advised with Prof Daniella Bertotto)

Title of project: Influence of broodstock nutrition on reproduction of meagre (*Argyrosomus regius*).

Clara Petra Cerviño Becerro, University of Barcelona (2011) (co-advised with Prof. Josep Planas)

Title of project: Influence of broodstock nutrition on egg quality of meagre (*Argyrosomus regius*).

Nikolaos Mitrizakis, University of Crete. Department of Biology. Management of terrestrial & aquatic living resources (2009-2011) (co-advised with Assistant Professor Dr Michail Pavlides)

Title of project: Reproductive biology of meagre (*Argyrosomus regius*) and induction of spawning using GnRH_a implants.

Valerio Vitallini, University of Rome “Tor Vergata”, Department of Biology (2007-8)

Practical Training: Broodstock management and spawning induction in marine fishes.

Venia Stavrou, University of Crete. Department of Biology. Management of terrestrial & aquatic living resources (2007-2008) (co-advised with Assistant Professor Dr. Michalis Pavlides)

Title of project: Influence of sex ratio on reproductive maturation and gamete quality in the European sea bass (*Dicentrarchus labrax*).

Maria Panayiotidou, University of Crete. Department of Biology. Management of terrestrial & aquatic living resources (2005-2007) (co-advised with Professor Dr Maroudio Kentouri)

Title of project: Influence of stocking density and feed composition on the growth of meagre (*Argyrosomus regius*).

Costitsa Apostolidi, University of Crete. Department of Biology. Management of terrestrial & aquatic living resources (2005-2007) (co-advised with Assistant Professor Dr Michalis Pavlides)

Title of project: Endocrine regulation of sex inversion in gilthead seabream (*Sparus aurata*): the role of thyroid hormones.

Giannis Fakriadis, University of Crete. Department of Biology. Management of terrestrial & aquatic living resources (2004-2006) (co-advised with Lecturer Dr. Michalis Pavlidis)

Title of project: Study of the annual reproductive cycle, induction of ovulation and spermiation in the shi drum (*Umbrina cirrosa*), a new species for aquaculture.

Kerstin Sarter, University of Heidelberg, Germany, 2004 (8 months). Supervisor of thesis research.

Title of Project: Induction of puberty and sex inversion in pre-pubertal dusky grouper (*Epinephelus marginatus*) using controlled-release hormone-delivery systems.

Mario Zaiss, University of Heidelberg, Germany, 2004 (8 months). Supervisor of thesis research.

Title of Project: Ontogeny of the digestive system of the shi drum (*Umbrina cirrosa*) under different culture conditions.

Ozlem Yilmaz, University of Adana. Aquatic Resources (2003-2004). Supervisor of thesis research (co-advised with Assistant Professor Dr. Metin Kumlu)

Title of project: Differences in spermiation, sperm quality and plasma sex-steroid hormone levels between European sea bass (*Dicentrarchus labrax*) of different ages.

Liliana Nitadoraki, University of Crete. Department of Biology. Management of terrestrial & aquatic living resources (2002-2004) (co-advised with Lecturer Dr. Michalis Pavlidis)

Title of project: Comparison of growth and endocrine characteristics between male and female European sea bass (*Dicentrarchus labrax*) during the second year of life.

Maria Papadaki, University of Crete. Department of Biology. Management of terrestrial & aquatic living resources (2001-2003) (co-advised with Assistant Professor Dr. Katerina Dermon)

Title of project: Sex differentiation in the European sea bass (*Dicentrarchus labrax*) and the influence of gonadal sex steroids.

POST-GRADUATE TRAINING

Saverio Rana, M.Sc., Università Politecnica delle Marche, Ancona, Italy, 2019 (6 months). Practical training in marine aquaculture production, with emphasis on broodstock management.

Roberta Sarracino, M.Sc., Università Politecnica delle Marche, Ancona, Italy, 2019 (6 months). Practical training in marine aquaculture production, with emphasis on broodstock management.

Luca Calloni, M.Sc., Università Politecnica delle Marche, Ancona, Italy, 2019 (6 months). Practical training in marine aquaculture production, with emphasis on broodstock management.

Svenja Kopper, M.Sc., University of Bremen, Marine Ecology Department, Germany, 2019 (3 months). Practical training in marine aquaculture production, with emphasis on broodstock management.

Marina Pouli B.Sc., University of Crete. Post-graduate Special Laboratory Study, 2018 (3 months).

Title of project: Sex differentiation in greater amberjack (*Seriola dumerili*).

Andrea Villena Rodriguez, M.Sc., University of La Laguna, Tenerife, Spain. Post-graduate ERASMUS Traineeship, 2019 (4 months).

Title of project: Spawning kinetics of European sea bass (*Dicentrarchus labrax*), egg quality and parental contribution.

Emmanouella Vernadou B.Sc., University of Crete. Post-graduate Special Laboratory Study, 2017 (3 months).

Title of project: Induction of gametogenesis/spermatogenesis and spawning in greater (*Seriola dumerili*) using gonadotropin administration.

Gianluca Del Vecchio, B.Sc., Università Politecnica delle Marche, Ancona, Italy, 2017 (4 months). Practical training in marine aquaculture production, with emphasis on broodstock management.

Leonardo Mancini, M.Sc., Università Politecnica delle Marche, Ancona, Italy, 2016 (6 months). Practical training in marine aquaculture production, with emphasis on broodstock management.

Andrea Sagrati, M.Sc., Università Politecnica delle Marche, Ancona, Italy, 2016 (6 months). Practical training in marine aquaculture production, with emphasis on broodstock management.

Davide Mazzela, M.Sc., Alma Mater Studiorum Università di Bologna, Veterinary Medical Sciences, Bologna, Italy, 2015 (5 months). Practical training in marine aquaculture production, with emphasis on broodstock management and participation in the evaluation of sharpsnout seabream (*Diplodus puntazzo*) sex inversion.

Maria Chiara Cascarano Sagrati, M.Sc., Università Politecnica delle Marche, Ancona, Italy, 2015-6 (7 months). Practical training in marine aquaculture production, with emphasis on broodstock management, and participation in the DIVERSIFY project (sex steroid hormones in greater amberjack)

Sara Salone, B.Sc., Università di Bologna, Scuola di Agraria e Medicina Veterinaria, Italy (2014, 6 months).

Title of project: Egg quality after use of multiple injections for the induction of spawning in meagre (*Argyrosomus regius*).

Veronica Santinelli, B.Sc., Università Politecnica delle Marche, Ancona, Italy (2013, 6 months).

Title of project: Sex differentiation and hermaphroditism in the sharpsnout sea bream (*Diplodus puntazzo*).

Paulina Karkut, B.Sc., Jagiellonian University, Krakow, Poland (2013, 4 months).

Title of project: Comparison of GnRH α implants and injection on the reproductive performance of meagre (*Argyrosomus regius*).

Emmanuel Delcroix B.Sc., L'Ecole National d'Ingenieurs des Travaux Agricoles de Bordeaux, France. Post-graduate Special Laboratory Study ("Stage"), 2006 (6 months).

Title of project: Hormonal induction of ovulation and artificial fertilization of shi drum (*Umbrina cirrosa*).

Ioannis Fakriadis B.Sc., University of Crete. Post-graduate Special Laboratory Study, 2004 (3 months).

Title of project: Sex differentiation and hermaphroditism in the sharpsnout sea bream (*Diplodus puntazzo*).

Maria Neofytou B.Sc., University of Crete. Post-graduate Special Laboratory Study, 2004 (3 months).

Title of project: Effect of fish density on the development of skeletal deformities in the shi drum (*Umbrina cirrosa*).

Ioannis Papadakis B.Sc., University of Crete. Post-graduate Special Laboratory Study, 2003 (3 months).

Title of project: Ontogeny of the digestive system of the shi drum, *Umbrina cirrosa*, reared under different feeding regimes.

Maria Papadaki B.Sc., University of Crete. Post-graduate Special Laboratory Study, 2001 (3 months).

Title of project: Seasonal variations in the production and quality of gametes of the red porgy, *Pagrus pagrus*.

Gloriana Cardinaletti, B.Sc., University of Camerino Italy. E.U. Programme Leonardo da Vinci, 2001 (6 months).

Title of project: Use of clove oil as an anaesthetic in Mediterranean marine fish.

Elsa Panini, B.Sc., University of Torino. Italy. E.U. Programme Leonardo da Vinci, 2000 (6 months).

Title of project: Egg quality in fish, evaluation and improvement techniques.

UNDERGRADUATE TRAINING

Christos Siapazis, University of Thessaly, Department of Agriculture, Ichthyology and Aquatic Environment, 2019 (2 months). Practical training in marine aquaculture production, with emphasis on broodstock management.

Emmanuelle Vervelakis, Alma Mater Studiorum Università di Bologna, Veterinary Medical Sciences, Bologna, Italy, 2019 (4 months). Practical training in marine aquaculture production, with emphasis on broodstock management.

Title of project: Spontaneous and induced spawning kinetics of European sea bass (*Dicentrarchus labrax*), and effects on egg quality and larval survival.

Chiara Vecchiatini, Alma Mater Studiorum Università di Bologna, Veterinary Medical Sciences, Bologna, Italy, 2018-19 (4 months). Practical training in marine aquaculture production, with emphasis on broodstock management.

Title of project: Effects of early life rearing temperature in European sea bass (*Dicentrarchus labrax*) on eye ontogeny and function.

Petros Anastasiadis, Aristotle University of Thessaloniki, 2017 (2 months). Practical training in marine aquaculture production, with emphasis on broodstock management.

Andrea Bertini, Alma Mater Studiorum Università di Bologna, Veterinary Medical Sciences, Bologna, Italy, 2017 (4 months). Practical training in marine aquaculture production, with emphasis on broodstock management.

Title of project: Induction of spawning of greater amberjack (*Seriola dumerili*) using GnRH α implants.

Irini Kagiambaki, University of Crete, Department of Chemistry, 2017 (2 months). Practical training in marine aquaculture production, with emphasis on broodstock management.

Constantinos Kalaentzakis, Aristotle University of Thessaloniki, 2017 (2 months). Practical training in marine aquaculture production, with emphasis on broodstock management.

Rafaella Kakakiou, Aristotle University of Thessaloniki, 2017 (2 months). Practical training in marine aquaculture production, with emphasis on broodstock management.

Alkyoni Sfendouraki-Basakarou, University of Crete, Department of Biology, 2016-2017 (co-advised with Professor Maroudio Kentouri). Undergraduate thesis project.

Title of project: Influence of different stimuli in the feeding response of meagre (*Argyrosomus regius*)

Veronica Camporesi, Alma Mater Studiorum Università di Bologna, Veterinary Medical Sciences, Bologna, Italy, 2016 (3 months). Feeding behavior of meagre (*Argyrosomus regius*).

Anna Tampou, University of Thessaly, Department of Agriculture, Ichthyology and Aquatic Environment, 2016 (2 months). Practical training in marine aquaculture production, with emphasis on broodstock management.

Elisavet Siropoulou, Aristotle University of Thessaloniki, 2016 (2 months). Practical training in marine aquaculture production, with emphasis on broodstock management.

Sotirios Gounis, Aristotle University of Thessaloniki, 2015 (2 months). Practical training in marine aquaculture production, with emphasis on broodstock management.

Stelios Karapanagiotidis, Aristotle University of Thessaloniki, 2015 (2 months). Practical training in marine aquaculture production, with emphasis on broodstock management.

Annalena Karyda, Agricultural University of Athens, Department of Animal Science and Aquaculture, 2015 (2 months). Practical training in marine aquaculture production, with emphasis on broodstock management.

Fabrizio Caruso, Alma Mater Studiorum Università di Bologna, Veterinary Medical Sciences, Bologna, Italy, 2015 (5 months). Practical training in marine aquaculture production, with emphasis on broodstock management.

Alessio Carletti, Università Politecnica delle Marche, Ancona, Italy, 2015 (4 months). Practical training in marine aquaculture production, with emphasis on broodstock management.

Maria Claudia Noguera, University of Santa Catarina, Brazil, 2015 (co-advised with Prof Luis Alejandro Vinatea)

Title of project: Paired spawning with male rotation of meagre (*Argyrosomus regius*) using GnRH α injections, as a method for producing multiple families for breeding selection programs.

Emma Bell, Portsmouth University, School of Biological Sciences, U.K. 2015 (3 months).
Undergraduate thesis research: Induction of spermiation in meagre (*Argyrosomus regius*) using GnRH α in different modes of administration.

Anastasia Arvaniti, Aristotle University of Thessaloniki, 2014 (2 months). Practical training in marine aquaculture production, with emphasis on broodstock management.

Maria Dermitzoglou, Aristotle University of Thessaloniki, 2014 (2 months). Practical training in marine aquaculture production, with emphasis on broodstock management.

Panayiotis Trikallinos, Agricultural University of Athens, 2013 (2 months). Practical training in marine aquaculture production, with emphasis on broodstock management.

Alexandra Alevra, Agricultural University of Athens, 2013 (2 months). Practical training in marine aquaculture production, with emphasis on broodstock management.

Rania Christofidou, Aristotle University of Thessaloniki, 2013 (2 months). Practical training in marine aquaculture production, with emphasis on broodstock management.

Michalis Ragousis, University of the Aegean, Department of Marine Sciences, 2013 (2 months). Practical training in marine aquaculture production, with emphasis on broodstock management.

Elsa Kentepozidou, Aristotle University of Thessaloniki, 2012 (2 months). Practical training in marine aquaculture production, with emphasis on broodstock management of gilthead seabream (*Sparus aurata*).

Title of Project: Sex ratio changes due to natural sex inversion in gilthead seabream (*Sparus aurata*) during the first 3 years of life.

Panayiota Ignatiou, University of Crete, 2007-2008 (6 months). Thesis research project.

Title of Project: Comparison of reproductive biology of wild vs F1 broodstock of sharpsnout sea bream (*Diplodus puntazzo*).

Nikos Mitrizakis, University of Thessalia, Department of Agriculture, 2006 (2 months). Practical training in marine aquaculture production, with emphasis on broodstock management.

Aggelos Agathangelou, University of Crete, 2005 (6 months). Thesis research project.

Title of Project: Disinfection methods for marine eggs.

Christina Kounna, University of Glasgow, Scotland, 2005 (2 months). Thesis research project.

Title of Project: Larval rearing of shi drum (*Umbrina cirrosa*) using the Mesocosm system.

Michaela Papadopoulou, University of Crete, 2004 (6 months). Thesis research project.

Title of Project: Seasonal changes in gamete quality in the sharpsnout sea bream (*Diplodus puntazzo*).

Spyros Konstas, University of Thessalia, Department of Agriculture 2003 (1 month). Practical training in marine aquaculture production, with emphasis on broodstock management.

George Bardanis, University of Crete, 2001 (2 months). Practical training in marine aquaculture production, with emphasis on broodstock management.

Konstantinos Amanakis, University of Sunderland, 2000-2001 (12 months). Practical training in marine aquaculture production, including broodstock management, live food production, larval rearing and weaning.

PUBLISHED WORK

JOURNAL EDITORIAL BOARD MEMBER

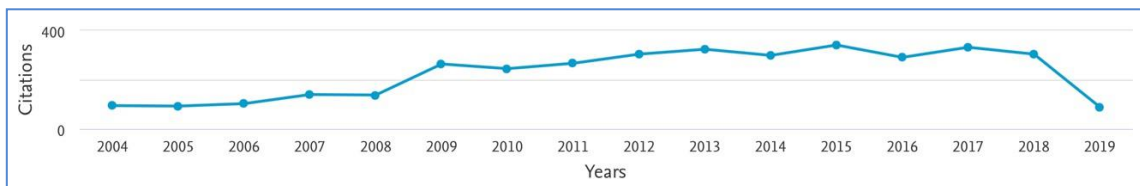
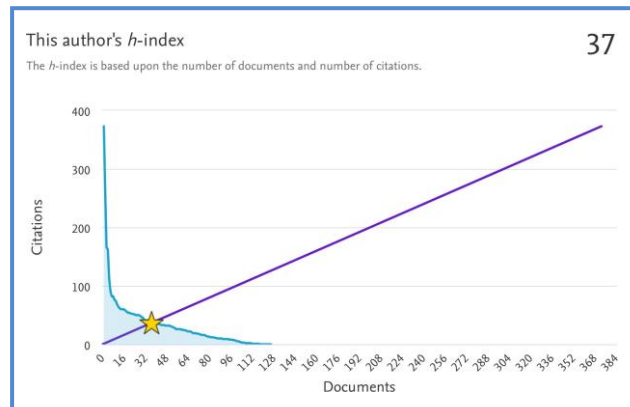
- 1 FISHES (MDPI) 2018 - Present
- 2 AQUACULTURE (Elsevier) 2003 – Present

- 3 Israeli Journal of Aquaculture-Bamidgeh (Society of Israeli Aquaculture and Marine Biotechnology) 2002 – 2009

SCIENTIFIC IMPACT

Publications: 1 edited book (in English), **5 book chapters** (in English), **1 book chapter** (in Greek), **127 articles** in ISI-Indexed Scientific Journals and **2 articles** in a not-yet ISI-Indexed Scientific Journal (MDPI Publishers).

- **h-index: 37** from Scopus.com (25 July 2019) considering **130 articles**
- **4195** total citations; **2940** citations excluding self-citations of all co-authors



JOURNAL REFEREE

	Journal title	ISI Impact factor	No papers
1	Acta Adriatica	0.725	1
2	Animal Reproduction Science	1.647	3
3	Aquaculture	2.710	75
4	Aquaculture International	1.283	3
5	Aquaculture Reports	n/a yet	1
6	Aquaculture Research	1.475	15
7	Aquatic Living Resources	0.525	4
8	Ciencias Marinas	1.049	1
9	Comparative Biochemistry and Physiology	2.360	2
10	Copeia	1.220	1
11	Fish and Fisheries	6.990	1
12	Fish Physiology and Biochemistry	1.735	8
13	General and Comparative Endocrinology	2.564	3
14	Hydrobiologia	2.165	1
15	Israeli Journal of Aquaculture-Bamidgeh	n/a	9
16	Journal of Animal Science	1.711	1
17	Journal of Applied Ichthyology	0.774	5
18	Journal of Fish Biology	1.702	6
19	Journal of Sea Research	1.729	1
20	Journal of the World Aquaculture Society	1.338	4
21	Marine Biology	2.215	1
22	Mediterranean Marine Sciences	1.984	1
23	Neotropical Ichthyology	1.216	2
24	North American Journal of Aquaculture	0.715	1
25	Reproductive Biology and Endocrinology	2.852	1
26	Reviews in Aquaculture	7.139	1
27	Scientia Marina	1.183	6
28	Scientific Reports	4.122	2
29	Theriogenology	2.136	3
30	Turkish Journal of Veterinary and Animal Science	0.489	1
Total No of manuscripts reviewed =			164

EDITED BOOKS

1. Pavlides, M. and **C.C. Mylonas** (eds). 2011. Sparidae: Biology and Aquaculture. Wiley-Blackwell, Oxford, 390 pp.

BOOK CHAPTERS

1. **Mylonas, C.C.** and Y. Zohar. 2007. Promoting oocyte maturation, ovulation and spawning in farmed fish, *In*: Babin, P.J., Cerdà J. and Lubzens, E., (eds), The fish Oocyte. Kluwer Academic Publishers, New York, pp. 433-470.
2. Mañanos, E., Duncan, N. and **C.C. Mylonas**. 2008. Reproduction and control of ovulation, spermatation and spawning in cultured fish. *In*: Cabrita, E., Robles, V., Herráez, M.P. (Eds.), Methods in Reproductive Aquaculture: marine and freshwater species, CRC Press, Taylor and Francis Group, Boca Raton, pp. 3-80.
3. **Mylonas, C.C.** and Y. Zohar. 2009. Controlling reproduction in aquaculture: new developments. *In*: Burnell, G. and Allan, G., (eds), New Technologies in Aquaculture: Improving Production, Quality and Environmental Management. CRC Press, Woodhead Publishing Limited, Cambridge, pp. 109-142.

4. **Mylonas, C.C.**, Zohar, Y., Pankhurst, N.W., and H. Kagawa. 2011. Reproduction and broodstock management. In: Pavlidis, M., Mylonas, C.C. (Eds.), *Sparidae: Biology and Aquaculture of Gilthead Seabream and Related Species*. Blackwell Science Publishers, London, pp. 95-131.
5. **Mylonas, C.C.** and S. Chatzifotis. 2011. Broodstock nutrition and gamete quality. In: Mente, E., Negas, I. (Eds), *Elements of Nutrition Physiology and Applied Nutrition of Fish and Crustaceans*. Papazisi, Athens, pp. 623-691 (in greek)
6. Zohar, Y., **Mylonas, C.C.**, Rosenfeld, H., de la Gandara, F., and A. Corriero. 2016. Reproduction, broodstock management, and spawning in captive Atlantic bluefin tuna. In: Benetti, D., Partridge, G., Buentello A. (eds) *Advances in Tuna Aquaculture, from Hatchery to Market*, Elsevier Inc., Oxford, pp 159-188.

MANUSCRIPTS IN JOURNALS (WITH ISI IMPACT FACTOR)

1. **Mylonas, C.C.**, Hinshaw, J.M., and C.V. Sullivan. 1992. GnRHa-induced ovulation of brown trout (*Salmo trutta*) and its effects on egg quality. **Aquaculture**, 106: 379-392.
2. **Mylonas, C.C.**, Sullivan, C.V. and J.M. Hinshaw. 1994. Thyroid hormones in brown trout (*Salmo trutta*) reproduction and early development. **Fish Physiology and Biochemistry**, 13: 485-493.
3. **Mylonas, C.**, Zohar, Y., Richardson, B.M., and S.P. Minkinen. 1995. Induced spawning of wild American shad (*Alosa sapidissima*) using sustained administration of gonadotropin-releasing hormone analog (GnRHa). **Journal of the World Aquaculture Society**, 26: 240-251.
4. **Mylonas, C.C.**, Tabata, Y., Langer, R., and Y. Zohar. 1995. Preparation and evaluation of polyanhydride microspheres containing gonadotropin-releasing hormone (GnRH), for inducing ovulation and spermiation in fish. **Journal of Controlled Release**, 35: 23-34.
5. **Mylonas, C.C.**, Magnus, Y., Gissis, A., Klebanov, Y. and Y. Zohar. 1996. Application of controlled-release, GnRHa-delivery systems in commercial production of white bass x striped bass hybrids (sunshine bass), using captive broodstocks. **Aquaculture**, 140: 265-280.
6. Holland, M.C., **Mylonas, C.C.** and Y. Zohar. 1996. Sperm characteristics of precocious 1-year-old male striped bass, *Morone saxatilis*. **Journal of the World Aquaculture Society**. 27: 208-212.
7. Sorbera, L.A., **Mylonas, C.C.**, Zanuy, S., Carrillo, M. and Y. Zohar. 1996. Sustained administration of GnRHa increases sperm volume without altering sperm counts in the sea bass. **The Journal of Experimental Zoology**, 276: 361-368.
8. **Mylonas, C.C.**, Woods, L.C. III, and Y. Zohar. 1997. Cyto-histological examination of post-vitellogenesis and final oocyte maturation in captive-reared striped bass. **Journal of Fish Biology**, 50: 34-49.
9. **Mylonas, C.C.**, Gissis, A., Magnus, Y. and Y. Zohar. 1997. Hormonal changes in male white bass (*Morone chrysops*) and evaluation of milt quality after treatment with a sustained-release GnRHa-delivery system. **Aquaculture**, 153: 301-311.
10. **Mylonas, C.C.**, Magnus, Y., Klebanov, Y., Gissis, A., and Y. Zohar. 1997. Reproductive biology and endocrine regulation of final oocyte maturation of captive white bass. **Journal of Fish Biology**, 51: 234-250.
11. **Mylonas, C.C.**, Scott, A.P., Vermeirssen, E.L.M. and Y. Zohar. 1997. Changes in plasma gonadotropin II and sex steroid hormones, and sperm production of striped bass after

- treatment with controlled-release gonadotropin-releasing hormone agonist-delivery systems. **Biology of Reproduction**, 57: 669-675.
12. Mylonas, C.C., Scott, A.P. and Y. Zohar. 1997. Plasma gonadotropin II, sex steroids, and thyroid hormones in wild striped bass (*Morone saxatilis*) during spermiation and final oocyte maturation. **General and Comparative Endocrinology**, 108: 223-236.
 13. Schultz, R.W., van der Wind, F., Janssen-Dommerholt, C., Peute, J., Mylonas, C.C., Zohar, Y., Swanson, P., and H.J.Th. Goos. 1997. Modulation of testicular androgen production in adolescent African catfish (*Clarias gariepinus*). **General and Comparative Endocrinology**, 108: 56-66.
 14. Larsson, D.G.J., Mylonas, C.C., Zohar, Y. and L.W. Crim. 1997. Gonadotropin releasing hormone-analogue (GnRH-A) induces multiple ovulations of high-quality eggs in a cold-water, batch-spawning teleost, the yellowtail flounder (*Pleuronectes ferrugineus*). **Canadian Journal of Fisheries and Aquatic Sciences**, 54: 1957-1964.
 15. Mylonas, C.C., Woods, L.C. III, Thomas, P. and Y. Zohar. 1998. Endocrine profiles of female striped bass (*Morone saxatilis*) in captivity, during post-vitellogenesis and induction of final oocyte maturation via controlled-release GnRHa-delivery systems. **General and Comparative Endocrinology**, 110: 276-289.
 16. Vermeirssen, E.L.M., Scott, A.P., Mylonas, C.C. and Y. Zohar. 1998. Gonadotrophin-releasing hormone agonist stimulates milt fluidity and plasma concentrations of 17,20 β -dihydroxylated and 5 β -reduced, 3 α -hydroxylated C₂₁ steroids in male plaice (*Pleuronectes platessa*). **General and Comparative Endocrinology**, 112: 163-177.
 17. Mylonas, C.C., Zohar, Y., Woods, L.C. III, Thomas, P. and R. W. Schulz. 1998. Hormone profiles of captive striped bass *Morone saxatilis* during spermiation, and long-term enhancement of milt production. **Journal of the World Aquaculture Society**, 29:379-392.
 18. Greenwood, L.N., Scott, A.P., Vermeirssen, E.L.M., Mylonas, C.C. and M. Pavlidis. 2001. Plasma steroids in mature common dentex (*Dentex dentex*) stimulated with a gonadotropin-releasing hormone agonist. **General and Comparative Endocrinology**, 123: 1-12.
 19. Zohar, Y. and C.C. Mylonas. 2001. Endocrine manipulations of spawning in cultured fish: from hormones to genes. **Aquaculture**, 197: 99-136.
 20. Mylonas, C.C. and Y. Zohar. 2001. Use of GnRHa-delivery systems for the control of reproduction in fish. **Reviews in Fish Biology and Fisheries**, 10: 463-491.
 21. Forniés, M.A., Mañanós, E., Carrillo, M., Rocha, A., Laureau, S., Mylonas, C.C., Zohar, Y. and S. Zanuy. 2001. Spawning induction of individual European sea bass females (*Dicentrarchus labrax*) using different GnRHa-delivery systems. **Aquaculture**, 202: 221-234.
 22. Panini, E., Mylonas, C.C., Zanuy, S., Carrillo M., Ramos, J. and M.P. Bruce. 2002. Incubation of embryos and larvae of marine fish using microtiter plates. **Aquaculture International**, 9: 189-195.
 23. Mylonas, C.C. and Y. Zohar. 2001. Endocrine regulation and artificial induction of oocyte maturation and spermiation in basses of the genus *Morone*. **Aquaculture**, 202: 205-220.
 24. Mañanós, E., Carrillo, M., Sorbera, L.A., Mylonas, C.C., Asturiano, J.F., Bayarri, M.J., Zohar, Y. and S. Zanuy. 2002. Luteinizing hormone and sexual steroid plasma levels after treatment of European sea bass with sustained-release delivery systems for gonadotropin-releasing hormone analogue. **Journal of Fish Biology**, 60: 328-339.
 25. Rainis, S. Mylonas, C.C., Kyriakou, Y. and P. Divanach. 2003. Enhancement of spermiation in European sea bass (*Dicentrarchus labrax*) at the end of the reproductive season using GnRHa implants. **Aquaculture**, 219: 873-890.

26. Marino, G, Panini, E., Longobardi, A., Mandich, A., Finoia, M.G., Zohar, Y. and **C.C. Mylonas**. 2003. Induction of ovulation in captive-reared dusky grouper, *Epinephelus marginatus* (Lowe, 1834) with a sustained-release GnRH α implant. **Aquaculture**, 219: 841-858.
27. **Mylonas C.C.**, Sigelaki, I., Divanach, P., Mañanos, E., Carillo, M. and A. Afonso-Polyviou. 2003. Multiple spawning and egg quality of individual European sea bass (*Dicentrarchus labrax*) females after repeated injections of GnRH α . **Aquaculture**, 221: 605-620.
28. **Mylonas, C.C.**, Papadaki, M. and P. Divanach. 2003. Seasonal changes in sperm production and quality in the red porgy *Pagrus pagrus* (L.). **Aquaculture Research**, 34: 1161-1170.
29. **Mylonas, C.C.**, Anezaki, L., Divanach, P., Zanuy, S., Piferrer, F., Ron, B., Peduel, A., Ben Atia, I., Gorshkov, S. and A. Tandler. 2003. Influence of rearing temperature at two periods during early life on growth and sex differentiation of two strains of European sea bass. **Fish Physiology and Biochemistry**, 28: 167-168.
30. Rodríguez, L., Halm, S., **Mylonas, C.** and S. Zanuy. 2003. Gene expression of estrogen receptors α and β during early sexual differentiation in the European sea bass (*Dicentrarchus labrax*). **Fish Physiology and Biochemistry**, 28: 175.
31. **Mylonas, C.C.**, Papadaki, M., Pavlidis, M. and P. Divanach. 2004. Evaluation of egg production and quality in the Mediterranean red porgy (*Pagrus pagrus*) during two consecutive spawning seasons. **Aquaculture**, 232: 637-649.
32. **Mylonas, C.C.**, Kyriakou, Y., Sigelaki, I, Georgiou, G., Stephanou, D. and P. Divanach. 2004. Reproductive biology of the shi drum (*Umbrina cirrosa*) in captivity and induction of spawning using GnRH α . **Israeli Journal of Aquaculture-Bamidgeh**, 56: 75-92.
33. **Mylonas, C.C.**, Papandroulakis, N., Smboukis, A., Papadaki, M. and P. Divanach. 2004. Induction of spawning of cultured greater amberjack (*Seriola dumerili*) using GnRH α implants. **Aquaculture**, 237: 141-154.
34. Halm, S., Martinez-Rodriguez, G., Rodriguez, L., Prat, F., **Mylonas, C.C.**, Carrillo, M. and S. Zanuy. 2004. Cloning, characterisation, and expression of three oestrogen receptors (ER α , ER β 1 and ER β 2) in the European sea bass, *Dicentrarchus labrax*. **Molecular and Cellular Endocrinology**, 223: 63-75.
35. Galay-Burgos, M., Llewellyn, L., **Mylonas, C.C.**, Canario, A.V.M., Zanuy, S. and G.E. Sweeney. 2004. Analysis of Sox gene family in the European sea bass (*Dicentrarchus labrax*). **Comparative Biochemistry and Physiology**, B137: 279-284.
36. Papadaki, M., Piferrer, F., Zanuy, S., Maingot, E., Divanach, P. and **C.C. Mylonas**. 2005. Growth, sex differentiation and gonad and plasma levels of sex steroids in male- and female-dominant populations of *Dicentrarchus labrax* obtained through repeated size grading. **Journal of Fish Biology**, 66: 938-956.
37. Papandroulakis, N., **Mylonas, C.C.**, Maingot, E. and P. Divanach. 2005. First results of greater amberjack (*Seriola dumerili*) larval rearing in mesocosm. **Aquaculture**, 250: 155-161.
38. **Mylonas, C.C.**, Cardinaletti, G., Sigelaki, I. and A. Polzonetti-Magni. 2005. Comparative efficacy of clove oil and 2-phenoxyethanol as anesthetics in the aquaculture of European sea bass (*Dicentrarchus labrax*) and gilthead sea bream (*Sparus aurata*) at different temperatures. **Aquaculture**, 246: 467-481.
39. **Mylonas, C.C.**, Anezaki, L., Divanach, P., Zanuy, S., Piferrer, F., Ron, B., Peduel, A., Ben Atia, I., Gorshkov, S. and A. Tandler. 2005. Influence of rearing temperature during the larval and nursery periods on growth and sex differentiation in two Mediterranean strains of *Dicentrarchus labrax*. **Journal of Fish Biology**, 67: 652-668.

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52. **Mylonas, C.C.**, Bridges, C., Gordin, H., Belmonte Ríos, A., García, A., De la Gándara, F., Fauvel, C., Suquet, M., Medina, A., Papadaki, M., Heinisch, G., De Metrio, G., Corriero, A., Vassallo-Agius, R., Guzmán, J.M., Mañanos, E. and Y. Zohar. 2007. Preparation and

- administration of gonadotropin-releasing hormone agonist (GnRHa) implants for the artificial control of reproductive maturation in captive-reared Atlantic bluefin tuna (*Thunnus thynnus thynnus*). **Reviews in Fisheries Science**, 15: 183-210.
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2. **Mylonas, C.C.** and Y. Zohar. 1995. Preparation and evaluation of GnRH α -loaded, polymeric delivery systems for the induction of ovulation and spermiation in cultured fish. In: F.W. Goetz and P. Thomas (eds), Reproductive Physiology of Fish. Fish Symposium 95, Austin, Texas. p. 130.
3. **Mylonas, C.C.** and Y. Zohar. 1998. New technologies for the control of gamete maturation in marine fishes, as tools in broodstock management. In: Basurco, B. and D. Bartley (eds), Cahiers Options Mediterraneennes; Genetics and Breeding in Mediterranean Aquaculture Species. CIHEAM:Spain, Vol. 34: 193-213.
4. **Mylonas, C.C.**, Georgiou, G., Stephanou, D., Atack, T., Afonso, A. and Y. Zohar. 1999. Preliminary data on the reproductive biology and hatchery production of the shi drum (*Umbrina cirrosa*) in Cyprus. In: Basurco, B. (ed), Cahiers Options Mediterraneennes, Marine Finfish Species Diversification, CIHEAM:Spain, Vol. 47: 303-312.
5. **Mylonas, C.C.**, Blaise, O., Gothilf, Y., Steven, C., Alok, D. and Y. Zohar. 1999. Gonadotropin-releasing activities in striped bass (*Morone saxatilis*) of the three native forms of gonadotropin-releasing hormone (GnRH) and of novel agonists. In: Norberg, B., Kjesbu, O.S., G.L. Tarranger, E. Andersson and S.O. Stefansson (eds), Reproductive Physiology of Fish, Fish Symposium 99:Bergen, Norway, p. 451.
6. Carrillo, M., Mañanos, E., Sorbera, L., **Mylonas, C.C.**, Cuisset, B., Zohar, Y. and S. Zanuy. 1999. Effects of sustained administration of GnRH α on gonadotropin (GtH) II and gonadal steroid levels in adult male sea bass (*Dicentrarchus labrax*). In: Norberg, B., Kjesbu, O.S., G.L. Tarranger, E. Andersson and S.O. Stefansson (eds), Reproductive Physiology of Fish, Fish Symposium 99:Bergen, Norway, pp. 393-395.
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8. **Mylonas, C.C.**, Georgiou, G., Stephanou, D., Atack, T., Afonso, A. and Y. Zohar. 2000. Reproductive biology and larval rearing of shi drum (*Umbrina cirrosa*) in Cyprus.

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9. **Mylonas, C.C.** and M. Papadaki. 2006. Control of reproductive maturation of bluefin tuna (*Thunnus thynnus*, Linnaeus) using GnRH_a implants, and production of larvae with *in vitro* fertilization. 8th Panhellenic Symposium of Oceanography and Fisheries, Thessaloniki, 4-7 June, pp. 1-3 (pdf #30)
 10. Fakriadis, G., Sigelaki, I., Papadaki, M. and **C.C. Mylonas**. 2006. Induction of spermiation in shi drum (*Umbrina cirrosa*). 8th Panhellenic Symposium of Oceanography and Fisheries, Thessaloniki 4-7 June, pp. 1-3 (pdf #85)
 11. Duncan, N.J., Estevez, A. and **C.C. Mylonas**. 2007. Efecto de la induccion hormonal implante o inyeccion de GnRH_a en la cantidad de puestas de corvina (*Argyrosomus regius*). XI Congreso Nacional de Acuicultura, September 2007, Vigo, Galicia, Spain, pp. 1-4.
 12. Guzmán, J.M., García-López, A., Olmedo, M., Cal, R., Chereguini, C. O., Sarasquete, M.C., **Mylonas, C.C.**, Peleteiro, J.B. and E. Mañanós. 2007. Estudio preliminar sobre una posible inhibición dopaminérgica en la reproducción del lenguado Senegalés (*Solea senegalensis*). XI Congreso Nacional de Acuicultura, September 2007, Vigo, Galicia, Spain, pp. 1-4.
 13. Nikiforakis, P., Giamalaki, E., **Mylonas, C.C.** and M. Pavlides. 2008. Assessment of sex in European sea bass, *Dicentrarchus labrax*, using ultrasound imaging. 9th Panhellenic Symposium of Oceanography and Fisheries, 13-16 May, Patra, Greece. pp. 1-4
 14. Stavrou V., Pavlidis M., Papadaki M., Sigelaki E. and **C.C. Mylonas**. 2008. Effect of sex ratio on growth and maturation in European sea bass (*Dicentrarchus labrax*). 9th Panhellenic Symposium of Oceanography and Fisheries, 13-16 May, Patra, Greece. pp 1-5
 15. Mitrizakis N. and **C.C. Mylonas**. 2010. Induction of spawning of cultured *Argyrosomus regius* (Asso 1801) (meagre) using GnRH_a implants. 14th Panhellenic Symposium of Ichthyologists, 6-9 May, Peraeus, Greece. pp 1-4.
 16. de la Gándara, F., **Mylonas, C.C.**, Covès, D., Ortega, A., Bridges, C.R., Belmonte Ríos, A., Vassallo-Agius, R., Papandroulakis, N., Rosenfeld, H., Tandler, A., Medina, A., Demetrio, G. Corriero, A., Fauvel, C., Falcon, J., Sveinsvoll, K., Ghysen, A., Deguara, S. and H. Gordin. 2010. Seedling production of Atlantic bluefin tuna (ABFT) *Thunnus thynnus*, the SELFDOTT project. International Symposium on the 40th Anniversary of Pacific Bluefin Tuna Aquaculture, 15-16 October, Kagoshima, Japan. pp 1-4.
 17. Berkovich, N., Corriero, A., Santamaria, N., **Mylonas, C.C.**, Bridges, C.R., Vasallo-Agius, R., de la Gandara, F., Belmonte, A., Mislov, K., Katavic, I., Elizur, A., Meiri-Ashkenazi, I., Gordin, H. and H. Rosenfeld. 2011. The neuroendocrine control of pubertal development in Atlantic Bluefin tuna (*Thunnus thynnus*). 9th International Symposium on Fish Reproductive Physiology, Indian J. of Sci. Technology, 4: 21-22.
 18. **Mylonas, C.C.**, Mitrizakis, N., Sigelaki, I. and M. Papadaki. 2011. Spawning kinetics of individual female meagre (*Argyrosomus regius*) after treatment with GnRH_a implants. 9th International Symposium on Fish Reproductive Physiology, Indian J. of Sci. Technology, 4: 230-231.
 19. Yanowski, E., **Mylonas, C.C.**, Corriero, A., Bridges, C.R., Vasallo-Agius, R., de la Gandara, F., Belmonte, A., Meiri-Ashkenazi, I., Gordin, H. and H. Rosenfeld. 2011. Molecular characterization and expression patterns of Atlantic Bluefin tuna (*Thunnus thynnus*) leptin during the reproductive season. 9th International Symposium on Fish Reproductive Physiology, Indian J. of Sci. Technology, 4: 104-105.
 20. de Mello, P., Fakriadis, I. Lanceroto, S., Tsoukali, P., Calloni, L., Kopper, S., Sarracino, R., and **Mylonas, C.C.** Influence of thermal manipulations during gametogenesis on reproductive

- maturation of meagre (*Argyrosomus regius*), spawning success, gamete and egg quality. 17th Panhellenic Conference of Ichthyologists, 31/10 – 3/11, 2019, Heraklion, Crete. pp 297-300.
20. Fakriadis, I., Karapanagiotis, S., Tsele, N and **C.C. Mylonas** 2019, Timing of GnRHα treatment application in greater amberjack *Seriola dumerili*, 17th Panhellenic Conference of Ichthyologists, 31/10-3/11, 2019, Heraklion, Crete, pp 277-280
21. Fakriadis, I., Zannata, E.M. and **C.C. Mylonas** 2019, Enhancement of spermiation in meagre *Argyrosomus regius* using GnRHα implants and evaluation of sperm quality using Computer Assisted Sperm Analysis (CASA), 17th Panhellenic Conference of Ichthyologists, 31/10-3/11, 2019, Heraklion, Crete, pp 281-284.

CONFERENCE PRESENTATIONS (Oral)

International conferences

1. Zohar, Y., **C.C. Mylonas**, Y. Gothilf and M. Chow. 1996. Endocrine and molecular approaches to manipulation of finfish spawning. Annual Meeting of the American Association for the Advancement of Science. 8-13 February, Baltimore, Maryland (Invited review talk).
2. **Mylonas, C.C.** and Y. Zohar. 1997. New technologies for the control of gamete maturation in marine fishes, as tools in broodstock management. Genetics and Breeding in Mediterranean Aquaculture Species. 28-29 April, Zaragoza, Spain.
3. **Mylonas, C.C.** and Y. Zohar. 1997. Is final oocyte maturation a continuous process regulated by a single hormone? The paradigm of the striped bass (*Morone saxatilis*). The European Society for Comparative Endocrinology and Physiology. Third Symposium on Research for Aquaculture: Basic and Applied Aspects. 24-27 August, Barcelona, Spain.
4. **Mylonas, C.C.** and Y. Zohar. 1998. Endocrine Regulation of final oocyte maturation in the temperate basses *Morone saxatilis* and *M. chrysops*. International Congress on the Biology of fish. 26-30 July, Towson, Maryland, U.S.A.
5. **Mylonas, C.C.**, Georgiou G., Stephanou, D., Atack, T., Afonso, A. and Y. Zohar. 1999. Preliminary data on the reproductive biology and larval rearing of the shi drum (*Umbrina cirrosa*) in Cyprus. Marine Finfish Species Diversification. 23-28 May, Zaragoza, Spain.
6. Zohar, Y. and **C.C. Mylonas**. 1999. Endocrine and molecular strategies for the manipulation of spawning in farmed fish: current and future perspectives. 6th International Symposium on Reproductive Physiology of Fish. 4–9 July, Bergen, Norway (state-of-the-art, invited talk).
7. **Mylonas, C.C.** and Y. Zohar. 2000. Endocrine regulation and artificial induction of final oocyte maturation and spermiation in basses of the genus *Morone*. AQUA 2000, 2 – 6 May, Nice, France (Invited plenary talk).
8. **Mylonas, C.C.** and Y. Zohar. 2000. GnRH-based technologies for the hormonal induction of spawning in farmed fish. AQUA 2000, 2–6 May, Nice, France (Invited review talk).
9. Marino, G., Azzuro, E., **Mylonas, C.C.**, Mandich, A. and Y. Zohar. 2000. Progress in induced breeding of dusky grouper using GnRH-delivery system. AQUA 2000, 2–6 May, Nice, France.
10. Mazorra de Quero, C., Shields, R., Scott, A.P., **Mylonas C.C.**, Zohar, Y. and N. Bromage. 2000. Effects of late season GnRHα implants on male Atlantic halibut *Hippoglossus hippoglossus* spermiation. AQUA 2000, 2–6 May, Nice, France.
11. Forniés, M.A., Mañanos, E., Laureau, S., do Santos, A., Carrillo, M., **Mylonas, C.C.**, Zohar, Y. and S. Zanuy. 2000. Different delivery systems for the optimization of the induction of the spawn in sea bass (*Dicentrarchus labrax*). AQUA 2000, 2–6 May, Nice, France.

12. **Mylonas, C.C.**, Blaise, O., Alok, D. and Y. Zohar. 2000. Examination of the gonadotropin-releasing activities of native GnRHs and synthetic agonists in striped bass (*Morone saxatilis*). 20th Conference of European Comparative Endocrinologists, 5-9 September, Faro, Portugal.
13. Marino, G., Mandich, A., Holland, M.C.H. and **C.C. Mylonas**. 2000. State of the art and cultivation perspectives for the dusky grouper. Marine Species Diversification Workshop, October 2000, University of Algarve, Faro, Portugal.
14. **Mylonas C.C.**, Sigelaki, I., Divanach, P., Mañanos, E., Zanuy, S. and A. Afonso-Polyviou. 2002. Multiple spawning of individual European sea bass (*Dicentrarchus labrax*) after repeated injections of GnRH_a, and evaluation of egg quality. Aquaculture Europe 2002, 16-19 October, Trieste, Italy.
15. **Mylonas, C.C.**, L. Anezaki, S. Zanuy, F. Piferrer and P. Divanach. 2003. Influence of temperature during larval rearing on sex differentiation in the European sea bass (*Dicentrarchus labrax*). 7th Panhellenic Symposium of Oceanography and Fisheries, 6-9 May, Chersonissos, Crete, Greece.
16. **Mylonas, C.C.**, Papandroulakis, N., Smboukis, A., Papadaki, M. and P. Divanach. 2004. Induction of spawning of cultured greater amberjack (*Seriola dumerili*) using GnRH_a implants. AQUA 2004, World Aquaculture Society, 1-5 March, Hawaii, USA.
17. **Mylonas, C.C.**, Papadaki, M., Piferrer, F. and S. Zanuy. 2004. Growth, sex differentiation and gonad and plasma levels of sex steroids in male- and female-dominant populations of European sea bass obtained through repeated size grading. 5th International Symposium of Fish Endocrinology. 4-9 September, Castellon, Spain.
18. **Mylonas, C.C.**, Belmonte, A., Garcia, A., Bridges, C., Rosenfeld, H., Medina, A., Corriero, A., Demetrio, G., Fauvel, C., Vassallo-Agius, R., Zohar, Y. and H. Gordin. 2005. Spawning induction of captive-reared bluefin tuna (*Thunnus thynnus*) using GnRH_a implants. World Aquaculture 2005. 8-12 May, Bali, Indonesia.
19. Guzman, J.M., Marull, E., Ramos, J., **Mylonas, C.C.**, Olmos, V. and E. Mañanos, 2005. Hormonal induction of spawning of Senegal sole (*Solea senegalensis*) using sustained-release GnRH_a delivery systems. X Congreso Nacional de Acuicultura, September 2005, Gandia, Valencia, Spain.
20. **Mylonas, C.C.**, Belmonte, A., Garcia, A., Bridges, C., Rosenfeld, H., Medina, A., Corriero, A., Demetrio, G., Fauvel, C., Vassallo-Agius, R., Zohar, Y. and H. Gordin. 2005. Induction of ovulation and production of viable larvae of bluefin tuna (*Thunnus thynnus*) using GnRH_a implants. World Aquaculture 2006, 9-13 May, Florence, Italy.
21. Blázquez, M., González, A., Papadaki, M., **Mylonas, C.C.**, and F. Piferrer. 2006. Sex-related changes in brain and gonadal aromatase gene expression and activity during early ontogenesis and sex differentiation in the sea bass. 26th Conference of European Comparative Endocrinologists, 5-9 September, Manchester, United Kingdom.
22. **Mylonas, C.C.**, Belmonte, A., Garcia, A., Bridges, C., Rosenfeld, H., Medina, A., Corriero, A., Demetrio, G., Fauvel, C., Vassallo-Agius, R., Zohar, Y. and H. Gordin. 2006. Induction of ovulation and production of viable larvae of bluefin tuna (*Thunnus thynnus*) using GnRH_a implants. Australasian Aquaculture 2006. 27-30 August, Adelaide, Australia.
23. Gordin, H. and **C.C. Mylonas**. 2006. Fattening bluefin tuna in the Mediterranean Sea. Australasian Aquaculture 2006. 27-30 August, Adelaide, Australia.
24. Rosenfeld, H., Heinisch, G., Meiri, I., Gliksman, D., Corriero, A., Medina, A., Abascal, F.J., de la Serna, J.M., Vassallo-Agius, R., Belmonte, A., Garcia, A., de la Gandara, F., Fauvel, C., **Mylonas, C.C.**, Oray, I., De Metrio, G., Bridges, C.R., Zohar, Y. and H. Gordin. 2007. Spawning activity of bluefin tuna in the Mediterranean Sea: wild vs captive broodstocks. International Marine Biotechnology Conference, 10-15 March, Israel.

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26. Rosenfeld, H., Heinisch, G., Meiri, I., Corriero, A., Medina, A., Vassallo-Agius, R., Belmonte, A., Garcia, A., Fauvel, C., **Mylonas, C.C.**, De Metrio, G., Bridges, C.R., Zohar, Y. and H. Gordin. 2007. Reproductive activity of bluefin tuna (*Thunnus thynnus*) in the Mediterranean Sea: wild vs captive broodstocks. 8th International Symposium on Reproductive Endocrinology of Fish, June 3–8, St. Malo, France.
27. **Mylonas, C.C.**, Fostier, A. and S. Zanuy. 2008. Broodstock management and spawning induction. Aquaculture Europe 08, 15–18 September, Krakow, Poland.
28. **Mylonas, C.C.**, Bridges, C., Belmonte, A., Gordin, H., Garcia, A., Fauvel, C., Rosenfeld, H., Medina, A., Corriero, A., Demetrio, Vassallo-Agius, R. and Y. Zohar. 2008. Induction of spermiation, ovulation and spawning in Atlantic bluefin tuna (*Thunnus thynnus*) using GnRHa delivery systems. Aquaculture Europe 08, 15–18 September, Krakow, Poland.
29. Papandroulakis, N., and **C.C. Mylonas**. 2008. First reproduction of captive-reared wreckfish (*Polyprion americanus*) using GnRHa implants. Aquaculture Europe 08, 15–18 September, Krakow, Poland.
30. De Metrio, G., Caggiano, M., Bridges, C.R., **Mylonas, C.C.**, Deflorio, M., Santamaria, N., Pousis, C., Zupa, P., Marano, C., Spedicato, D., Bianco, G., Loparco, G., Vassallo-Agius, R., Gordin, H., and A. Corriero. 2008. Bluefin tuna (*Thunnus thynnus*) culture: the Italian experience. Aquaculture Europe 08, 15-18 September, Krakow, Poland
31. Mañanós M., Gruzman, J.M., Ramos, J., **Mylonas, C.C.**, Zohar, Y., Peleteiro, J.B., Chereguini, O., Duncan, N., Sarasquete, C. and A. Riaza. 2008. Hormonal stimulation of ovulation, spermiation and spawning in cultured Senegalese sole (*Solea senegalensis*) broodstock. IV Workshop on the Cultivation of Soles, 11-13 November, Centro de Ciências do Mar (CCMAR), University of Algarve, Faro, Portugal.
32. Suquet, M., Cosson, J., de la Gándara, F., **Mylonas, C.C.**, Papadaki, M., Lallemand, S. and C. Fauvel. 2009. Sperm features of Atlantic bluefin tuna (*Thunnus thynnus*). Second International Workshop on Biology of Fish Gametes, 9-11 September, Valencia, Spain.
33. Corriero A., De Giorgi C., **Mylonas C.C.**, Pousis C., Santamaria N., Zupa R., Deflorio M., Vassallo-Agius R., de la Gandara F., Belmonte Ríos A., and G. De Metrio. 2010. Normal female vitellogenesis and increase in male germ cell apoptosis in captive reared bluefin tuna *Thunnus thynnus* (L.). Aquaculture 2010, World Aquaculture Society, 1-5 March, San Diego, USA.
34. de la Gándara, F., **Mylonas, C.C.**, Covès, D., Ortega, A., Bridges, C.R., Belmonte Ríos, A., Vassallo-Agius, R., Papandroulakis, N., Rosenfeld, H., Tandler, A., Medina, A., Demetrio, G., Corriero, A., Fauvel, C., Falcon, J., Sveinsvoll, K., Ghysen, A., Deguara, S., and H. Gordin. 2010. Seedling production of Atlantic bluefin tuna *Thunnus thynnus*: the SELF-DOTT project. International Symposium on the 40th Anniversary of Pacific Bluefin Tuna Aquaculture, 15-16 October, Setouchi, Kagoshima, Japan.
35. Papandroulakis, N., Ortega, A., Coves, D., Vassallo-Agius, R., Tandler, A., Stefanakis, S., Viguri, J., Vidal, M.O., Papadakis, I., De la Gándara, F., Ruelle, F., Anastasiadis, P., **Mylonas, C.C.**, and P. Divanach. 2010. First results of the Atlantic bluefin tuna (*Thunnus thynnus*) larval rearing in Europe in the frame of the SELF-DOTT project. Aquaculture Europe 2010, 5-9 October, Porto, Portugal.

36. De Giorgi, C., C. Pousis, R. Zupa, **C.C. Mylonas**, F. de la Gandara, C.R. Bridges, R. Vassallo-Agius, N. Santamaria, G. De Metrio, and A. Corriero. 2011. Comparative investigation of the vitellogenic process in wild and reared Atlantic bluefin tuna *Thunnus thynnus* (L.). Aquaculture 2011, World Aquaculture Society, 6-10 June, Natal, Brasil.
37. Berkovich, N., Corriero, A., Santamaria, N., **Mylonas, C.C.**, Bridges, C.R., Vasallo-Agius, R., de la Gandara, F., Belmonte, A., Mislov, K., Katavic, I., Elizur, A., Meiri-Ashkenazi, I., Gordin, H. and H. Rosenfeld. 2011. The neuroendocrine control of pubertal development in Atlantic Bluefin tuna (*Thunnus thynnus*). 9th International Symposium on Fish Reproductive Physiology, 9-14 August, Kochi, India.
38. **Mylonas, C.C.**, Mitrizakis, N., and I. Sigelaki. 2011. Hormonal induction of spawning in meagre (*Argyrosomus regius*). Aquaculture Europe 2011, 19-21 October, Rhodes, Greece.
39. de la Gándara, F., Ortega, A., Belmonte, A. and **C.C. Mylonas**. 2011. Spontaneous spawning of Atlantic bluefin tuna *Thunnus thynnus* kept in captivity. Aquaculture Europe 2011, 19-21 October, Rhodes, Greece.
41. De Giorgi, C., **C.C. Mylonas**, C.R. Bridges, N. Santamaria, R. Zupa, C. Pousis, F. de la Gándara, R. Vassallo-Agius, and A. Corriero. 2011. Comparative investigation of vitellogenesis and spermatogenesis in wild and captive-reared Atlantic bluefin tuna *Thunnus thynnus* L. Aquaculture Europe 2011, 19-21 October, Rhodes, Greece.
42. Berkovich, N., Corriero, A., Santamaria, N., **Mylonas, C.C.**, Bridges C.R., Vassallo-Agius, R., De La Gándara, F., Belmonte, A., Mislov, K., Katavic, I., Elizur, A., Meiri-Ashkenazi, I., Gordin, H. and H. Rosenfeld. 2011. Endocrine control of puberty in Atlantic bluefin tuna (*Thunnus Thynnus*). Aquaculture Europe 2011, 19-21 October, Rhodes, Greece.
43. Yanowski, E., **Mylonas, C.C.**, Corriero, A., Bridges, C.R., Vasallo-Agius, R., de la Gandara, F., Belmonte, A., Meiri-Ashkenazi, I., Gordin, H. and H. Rosenfeld. 2011. Atlantic bluefin tuna (*Thunnus thynnus*) leptin cloning and expression patterns during the reproductive season. Aquaculture Europe 2011, 19-21 October, Rhodes, Greece.
44. **Mylonas, C.C.**, Mitrizakis, N., Castaldo, C.A., Cerviño, C.P., Papadaki, M. and I. Sigelaki. 2013. Hormonal induction of spawning in meagre (*Argyrosomus regius*) and monitoring of spawning kinetics, egg production and egg quality. 4th International Workshop on the Biology of Fish Gametes, 17-20 September, Albufeira, Portugal.
45. **Mylonas, C.C.**, Fatira, E., Karkut, P., Maria Papadaki, P. and I. Sigelaki. 2014. Reproduction of hatchery-produced meagre *Argyrosomus regius* in captivity. Comparison between GnRH α injections and implants on spawning kinetics and reproductive performance, 10th International Symposium of Fish Reproductive Physiology, 26-30 May, Olhao, Portugal.
46. **Mylonas, C.C.** and R. Robles. 2014. Enhancing the European aquaculture production by removing production bottlenecks of emerging species, producing new products and accessing new markets (DIVERSIFY). Aquaculture Europe 2014, 14-17 October, San Sebastian, Spain.
47. Tsakogiannis, A., Manousaki, T., Terzoglou, V., Economaki, K., Sigelaki, I., Papandroulakis, N., **Mylonas, C.C.** and C.S. Tsigenopoulos. 2014. Relative female/male participation in the spawning period and differential mortality during rearing in red porgy (*Pagrus pagrus*) and common Pandora (*Pagellus erythrinus*) inferred through microsatellite parentage assignment. Aquaculture Europe 2014, 14-17 October, San Sebastian, Spain.
48. Manousaki, T., Tsakogiannis, A., Lagnel, J., Sarropoulou, E., Xiang, J.Z., Papandroulakis, N., **Mylonas, C.C.** and C.S. Tsigenopoulos. 2014. The sex-specific transcriptome of the hermaphrodite sparid sharpnose seabream (*Diplodus puntazzo*). Aquaculture Europe 2014, 14-17 October, San Sebastian, Spain.
49. **Mylonas, C.C.**, Salone, S., Biglino, T., de mello, P.H., Fakriadis, I., Sigelaki, I. and N. Duncan. 2015. Optimized spawning induction protocol for meagre (*Argyrosomus regius*) using weekly

- injections of GnRH α . 5th International Workshop on the Biology of Fish Gametes, 7-11 September, Ancona, Italy.
50. **Mylonas, C.C.** and R. Robles. 2015. Update on the first reporting period of the project “DIVERSIFY” (7FPKBBE-GA 603121): Exploring the biological and socio-economic potential of new/emerging candidate species for the expansions of the European aquaculture industry, Aquaculture Europe 2015, 20-23 October, Rotterdam, Netherlands.
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10. Fakriadis, I., Karapanagiotis, S., Tsele, N and **C.C. Mylonas** 2019, Timing of GnRH α treatment application in greater amberjack *Seriola dumerili*, 17th Panhellenic Conference of Ichthyologists, 31/10-3/11, 2019, Heraklion, Crete, pp 277-280
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CONFERENCE PRESENTATIONS (Poster)

International

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