



# CURRICULUM VITAE



## 1. PERSONAL DETAILS

NAME	<b>Josep LLORET</b>
DATE OF BIRTH	09/09/1971
ADDRESS	University of Girona, Institute of Aquatic Ecology, Fac. Sciences, C/ Maria Aurèlia Capmany 69, E-17003 Girona, Catalonia, Spain
RESEARCH GROUPS	<i>Marine ecosystems &amp; Human Health (SeaHealth)-UdG (director)</i> <i>Ecologia de Comunitats Marines (2017 SGR 1023)-CSIC.</i>
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WEBSITES	<a href="http://www.oceanshealth.udg.edu/en/group-members.html">http://www.oceanshealth.udg.edu/en/group-members.html</a> <a href="https://www.udg.edu/ca/directori/pagina-personal?ID=2002134">https://www.udg.edu/ca/directori/pagina-personal?ID=2002134</a> <a href="http://orcid.org/0000-0002-3917-1152">http://orcid.org/0000-0002-3917-1152</a>

## 2. EXPERTISE (Key words)

Oceans & Human Health (OHH), sustainable fisheries, climate change, fish condition (health), marine protected areas, artisanal and recreational fisheries

## 3. EDUCATION & TRAINING

2000 Ph.D. in Biology (*summa cum laude*). University of Barcelona.  
 1996 MSc. (*Maîtrise*) in Applied Oceanology. University of Perpignan (France)  
 1994 BSc. (*Licenciatura*) in Biological Sciences. University of Barcelona  
 1993. BSc (*Licence*) in Applied Oceanology. University of Perpignan (France)

## 4. POSITIONS, HONORS & AWARDS

### Positions

Present position: from 16/08/2015. University of Girona, Faculty of Sciences, Dep. of Environmental Sciences, Girona (**Spain**). Permanent position. *Professor Agregat* (tenured assistant professor). Accredited “*Catedratic*” (Full Professor)  
 From 1/09/2016 to 15/08/2015. University of Girona, Faculty of Sciences, Dep. of Environmental Sciences, Girona (**Spain**). Several fix-term contracts: *Professor Visitant*, *Ramón y Cajal* research contract, *Professor Lector*.  
 From 01/01/2004 to 31/08/2006. CSIC (Ministry of Science & Education of Spain), Institute of Marine Sciences. Barcelona (**Spain**).  
 From 16/06/2003 to 31/12/2003. Natural Park of Cape Creus, Environmental Dep. of the Autonomous Government of Catalonia (**Spain**).  
 From 01/04/2001 to 15/06/2003. CNRS, Centre de Biologie et d’Ecologie Tropicale et Méditerranéenne. Perpignan (**France**).  
 From 01/01/1997 to 31/03/2001. CSIC, Institute of Marine Sciences. Barcelona (**Spain**).

### Honors, awards and other positions

2018 Director of the Oceans & Human Health Chair, University of Girona.

[www.oceanshealth.udg.edu](http://www.oceanshealth.udg.edu)

2016 "Ayuda para incentivar la incorporación estable de doctores (IED) 2016". Spanish Ministry of Economy, Industry and Competitiveness (100,000 euros)

2010-2015 *Ramón y Cajal* Research Fellowship from the Spanish Ministry of Science and Innovation (150,000 euros)

2006 "Carles Rahola" prize awarded by the Town Council of Cadaqués, the Province Council of Girona and the Govt. of Catalonia.

2004-2005. C-RED fellowship of the D.G. Research of the Government of Catalonia (Ref. 2004 CRED 00002 & Ref. 2003 RED 00010)

2004 Marie Curie European Reintegration Grant (MERG) of the European Commission (Ref. MERG-CT-2004-510173).

2001-2003 Marie Curie post-doc Individual Fellowship (programme Quality of Life) of the European Commission (Ref. QLK5-CT2000-51950)

2003 *Torres Quevedo* Fellowship of the Ministry of Education, Science & Technology of Spain (Ref. PTQ2002-0357)

2001 Post-doctoral Fellowship of the Ministry of Education, Science & Technology of Spain

1997-2000 Ph D Fellowship of the D.G. Research of the Government of Catalonia (Ref. 1997FI 00524)

1999 Exchange Fellowship of the Deutsche Forschungsgemeinschaft (Germany) & CSIC (Spain)

1996 Marie-Curie Training and Mobility of Researchers Fellowship (programme Agriculture and Fisheries) of the European Commission

1996 *Forschungsarbeit im Ausland* Fellowship of the Daimler and Benz Foundation (Germany)

1996 Exchange Fellowship of the AECI / Spanish Ministry of Foreign Affairs.

1993-1994 Erasmus Fellowship of the European Commission.

## 5. PUBLICATIONS **Orcid: 0000-0002-3917-1152**

**Journals with impact factor (IF, 5yr-mean).** Source: Web of Science.

2018. **Lloret, J.**, Cowx, I., Cabral, H., Castro, M., et al. Small-scale coastal fisheries in European Seas are not what they were: ecological, social and economic changes. *Marine Policy* 98:176-186. IF = 2.50, Quartile: 1 (International Relations). Times cited: 10
2018. Rätz, H.J., **Lloret, J.** Inter-species quota flexibility – Exploring a new management tool in European Common Fisheries Policy. *Ocean and Coastal Management* 163 (2018) 222–231. IF: 2.349. Quartile: 1 (Aquatic Science)
2018. Font, T., Gil, J., **Lloret, J.** The commercialization and use of exotic baits in recreational fisheries in the north-western Mediterranean: Environmental and management implications. *Aquatic Conservation: Marine and Freshwater Ecosystems* 28:651–661. IF: 2.988. Quartile: 1 (Aquatic Science)
- 2018 Giovos, I., ...**Lloret, J.** et al. Identifying recreational fisheries in the Mediterranean Sea through social media. *Fisheries Management and Ecology* 25:287–295. IF: 1.70, Quartile: 2
- 2018 Serrat, A., Muñoz, M., **Lloret, J.** Condition and reproductive strategy of the *Argentina sphyraena*, a cold-water species in the Mediterranean Sea *Environmental Biology of Fishes* 101(6):775-789. IF: 1.51. Quartile: 2 (Aquatic Science)
- 2018 Villegas-Hernández, H., **Lloret, J.**, Muñoz, M., Poot-López, G.R., Guillén-Hernández, S., González-Salas, C. Age-specific environmental differences on the otolith shape of the bastard grunt (*Pomadasys incisus*) in the north-western Mediterranean. *Environmental Biology of Fishes* 101:775–789. IF: 1.51 Quartile: 2 (Aquatic Science)
2018. Biton-Porsmoguer, S., **Lloret, J.** Potentially unsustainable fisheries of a critically-endangered pelagic shark species: the case of the blue shark (*Prionace glauca*) in the Western Mediterranean Sea. *Ichthyological note. Cybium* 42(3): 299-302. IF: 0.44. Quartile:3 (Animal Science & zoology).

- 2017 Brosset, P., Fromentin, J.M., Van Beveren, E., **Lloret, J.**, et al. Spatio-temporal patterns and environmental controls of small pelagic fish body condition from contrasted Mediterranean areas. *Progress in Oceanography* 151: 149–162. IF: 4.214. Quartile 1 (Aquatic Science) Times cited: 8
2016. **Lloret, J.**, Rätz, H.J., Lleonart, J., Demestre, M. Challenging the links between seafood and human health in the context of global change. *Journal of the Marine Biological Association of the UK* 96(1): 29–42 IF:1.129, Quartile: 3 (Marine & Freshwater Biology). Times cited: 10
- 2016 Rätz, H.J., **Lloret, J.** Optimising sustainable management of mixed fisheries: Differentiating and weighting selective strategies. *Ocean & Coastal Management* 134:150-162. IF=1.994. Quartile: 2 (Aquatic Science) Times cited: 2
2016. Brosset, P., **Lloret, J.**, Muñoz, M., Fauvel, C., Van Beveren, E., Marques, V., Fromentin, J.M., éric Ménard, F., Saraux, C. Body reserves mediate trade-offs between life-history traits: new insights from small pelagic fish reproduction. *Royal Society open science* 3: 160202. <http://dx.doi.org/10.1098/rsos.160202>. IF=2.243 (Quartile 1 Aquatic Science) Times cited: 10
2016. Yuguo Xia, **Lloret, J.**, Zhongjie Li, Tanglin Zhang, Shaowen Ye, Wei Li, Jing Yuan, H. A. C. C. Perera, Jiashou Liu. Status of two *Coreius* species in the Three Gorges Reservoir, China. *J Chinese Journal of Oceanology and Limnology* 34(1):19-3. IF: 0.684 , Quartile 4 (Marine & Freshwater Biology). Times cited=3
- 2016 Ferrer, D., **Lloret, J.**, Muñoz, M.; Faliex, E., Vila, S., Sasal, P. Links between parasitism, energy reserves and fecundity of European anchovy, *Engraulis encrasicolus*, in the northwestern Mediterranean Sea. *Conservation Physiology* 4: 1-13, IF=2.323, Quartile 1 (Biodiversity Conservation). Times cited: 8
- 2015 **Lloret, J.**, Sabatés, A., Muñoz, M. et al. How a multidisciplinary approach involving ethnoecology, biology and fisheries can help explain the spatio-temporal changes in marine fish abundance resulting from climate change. *Global Ecology and Biogeography* 24, 448–461. IF:7.242, Quartile: 1 (Geography Physical) Times cited: 13
- 2015 Rätz, H.J., Casey, J., Holmes, S., **Lloret, J.**, Dörner, H., Mitrakis, N., Charef, A. An alternative reference point in the context of ecosystem-based fisheries management: maximum sustainable dead biomass. *ICES Journal of Marine Science* 72(8), 2257–2268. IF=2.472, Quartile: 1 (Fisheries) Times cited: 3
- 2015 Villegas-Hernández, H., Muñoz, M., **Lloret, J.** Reproductive traits of the pompano, *Trachinotus ovatus* (Linnaeus, 1758), in the north-western Mediterranean. *Journal of the Marine Biological Association of the United Kingdom* 96(5), 1053–1063. IF:1.129, Quartile: 3 (Marine & Freshwater Biology) Times cited: 1
2015. Buselic, I., Staglicic, N., **Lloret, J.**, Matic-Skoko, S. Can restrictions in Mediterranean Artisanal Fisheries be Beneficial for Target Species? *Acta Ichthyologica et Piscatoria* 45 (1): 31–38. IF: 0.701, Quartile: 3 (Fisheries)
- 2015 Ferrer-Maza, D., Muñoz, M., **Lloret, J.**, Faliex, E., Vila, S., Sasal, P. Health and reproduction of red mullet, *Mullus barbatus*, in the western Mediterranean Sea. *Hydrobiologia* 753:189–204 IF: 2.212, Quartile: 1 (Aquatic Science). Times cited=5
- 2015 Villegas-Hernández, H., **Lloret, J.**, Muñoz, M. Reproduction, condition and abundance of the Mediterranean bluefish (*Pomatomus saltatrix*) in the context of sea warming. *Fisheries Oceanography* 24(1):42-56. IF:2.795, Quartile: 1 (Fisheries) Times cited: 6
- 2014 Villegas-Hernández, H., **Lloret, J.**, Muñoz, M. Climate-driven changes in life-history traits of the bastard grunt *Pomadasyss incisus* (Teleostei: Haemulidae) in the north-western Mediterranean. *Mediterranean Marine Science* 16(1): 21-30. IF=1.734, Quartile: 2 (Fisheries) Times cited: 8
- 2014 Villegas-Hernández, H., Muñoz, M., **Lloret, J.** Life-history traits of temperate and

- thermophilic barracudas (Teleostei: Sphyraenidae) in the context of sea warming in the Mediterranean Sea. *Journal of Fish Biology* 84, 1940–1957. IF: 1.836, Quartile: 2 (Fisheries) Times cited: 8
- 2014 **Lloret J.**, Garrote, A., Balasch, N., Font, T. Estimating recreational fishing tackle loss in Mediterranean coastal areas: Potential impacts on wildlife. *Aquatic Ecosystem Health & Management*, 17:2, 179-185. IF=1.13, Quartile: 3 (Environmental Sciences) Times cited: 2
- 2014 Ferrer-Maza, D., **Lloret, J.**, Muñoz, M., Faliex, E., Vila S., Sasal, P. Parasitism, condition and reproduction of the European hake (*Merluccius merluccius*) in the NW Mediterranean Sea. *ICES Journal of Marine Science* 71(5), 1088–1099; IF=2.472, Quartile: 1 (Fisheries) Times cited: 15
- 2014 Font, T., **Lloret, J.** Biological and ecological impacts derived from recreational fishing in Mediterranean coastal areas. *Reviews in Fisheries Science & Aquaculture* 22(1):73–85. IF=2.545, Quartile: 1 (Fisheries) Times cited: 26
- 2013 Rätz, H.J., Charef, A., Abella, A., Colloca F., Ligas, A., Mannini, A., **Lloret, J.** A medium-term, stochastic forecast model to support sustainable, mixed fisheries management in the Mediterranean Sea. *Journal of Fish Biology* 83: 921–938. IF: 1.9, Quartile: 2 Times cited: 3
- 2013 **Lloret, J.**, Font, T. A comparative analysis between recreational and professional fisheries in a Mediterranean coastal area. *Fisheries Management and Ecology* 20, 148–160. IF: 1.70, Quartile: 2 Times cited: 38
- 2013 Muñoz, M., **Lloret, J.**, Vila, S. Effects of artisanal fisheries on the scorpaenids (*Scorpaena* spp.) in the marine protected area of Cap de Creus (NW Mediterranean). *Fisheries Research* 138:146-151. IF: 1.89, Quartile: 2 Times cited: 9
- 2012 **Lloret, J.**, Muñoz, M., Casadevall, M. Threats posed by artisanal fisheries to the reproduction of coastal fish species of a Mediterranean marine protected area. *Estuarine Coastal and Shelf Science* 113:133-140. IF: 2.62, Quartile: 1, Times cited: 25
- 2012 **Lloret, J.**, Faliex E., Shulman, G.E., Raga, J.A., Muñoz, M., Casadevall, M., Ahuir-Baraja, A.E., Montero, F.E., Reoullés-Albelda A., Cardinale, M., Ratz, H.J., Vila, S., Ferrer, D. Fish health and fisheries, implications for stock assessment and management: the Mediterranean example. *Reviews in Fisheries Science*, 20 (3): 1-16. IF: 2.50, Quartile: 2, Times cited: 28
- 2012 Martín, P., Sabatés, A., **Lloret J.**, Martin-vidé, J. Climate modulation of fish populations: the role of the Western Mediterranean oscillation (WeMO) in sardine (*Sardina pilchardus*) and anchovy (*Engraulis encrasicolus*) production in the north-western Mediterranean. *Climatic change* 110: 925-939. IF: 4.91, Quartile: 1, Times cited: 50
- 2011 Font, T., **Lloret, J.** Biological implications of recreational shore angling and harvest in a marine reserve: the case of Cape Creus. *Aquatic Conservation: Mar. Freshw. Ecosyst.* 21: 210–217. IF: 2.22, Quartile: 1, Times cited: 26
- 2011 Font, T., **Lloret, J.** Socioeconomic implications of recreational shore angling for the management of coastal resources in a Mediterranean marine protected area. *Fisheries Research* 108: 214–217. IF: 1.89, Quartile: 1, Times cited: 15
- 2010 **Lloret, J.** Human health benefits supplied by Mediterranean marine biodiversity. *Marine Pollution Bulletin* 60: 1640–1646. IF: 3.12, Quartile: 1, Times cited: 50. **Top 10 most downloaded from this journal in 2011.**
- 2010 Muñoz, M., C. Dimitriadis, M. Casadevall, S. Vila, E. Delgado, **J. Lloret** and F. Saborido-Rey. Female reproductive biology of the bluemouth *Helicolenus dactylopterus dactylopterus*: spawning and fecundity. *Journal of Fish Biology* 77: 2423–2442. IF: 1.85, Quartile: 2, Times cited: 25
- 2009 Hidalgo, M., E. Massutí, B. Guijarro, J. Moranta, L. Ciannelli, **J. Lloret**, P. Oliver, N C Stenseth. Population effects and changes in life history traits in relation to phase transitions

- induced by long-term fishery harvesting: European hake (*Merluccius merluccius*) off the Balearic Islands. Canadian Journal of Fisheries Aquatic Sciences 66: 1355–1370. IF: 2.63, Quartile: 1, Times cited: 28
- 2008 Carbonell, A., **J. Lloret**, M. Demestre. Relationship between condition and recruitment success of red shrimp (*Aristeus antennatus*) in the Balearic Sea (north-western Mediterranean). Journal of Marine Systems 71: 403–412. IF: 2.56, Quartile: 1, Times cited: 22
- 2008 **Lloret J.**, and V. Riera. Evolution of a Mediterranean coastal zone: human impacts on the marine environment of Cape Creus. Environmental Management 42:977–988. IF: 1.98, Quartile: 2, Times cited: 38
- 2008 **Lloret, J.**, N. Zaragoza, D. Caballero, V. Riera. Biological and socioeconomic implications of recreational boat fishing for the management of fishery resources in the marine reserve of Cap de Creus (NW Mediterranean). Fisheries Research 91: 252–259. IF: 1.89, Quartile: 1, Times cited: 91. **Top 10 most cited article 2008-2010**
- 2008 **Lloret J.**, N. Zaragoza, D. Caballero, V. Riera. Impacts of recreational boating on the marine environment of Cap de Creus (Mediterranean Sea). Ocean & Coastal Management 51:7449–754. IF: 1.54, Quartile: 1, Times cited: 69
- 2008 **Lloret J.**, N. Zaragoza, D. Caballero, M. Casadevall, V. Riera. Spearfishing pressure on fish communities in rocky coastal habitats in a Mediterranean marine protected area. Fisheries Research 94:84-91. IF: 1.89, Quartile: 1, Times cited: 94
- 2008 **Lloret, J.**, M. Demestre, J. Sánchez-Pardo. Lipid reserves of European hake (*Merluccius merluccius*) in the Mediterranean Sea. Vie et Milieu 58 (1) 75-85. IF: 0.61, Quartile: 4, Times cited: 27
- 2008 Hidalgo M, Massutí E, Moranta J, Cartes J, **Lloret J**, Oliver P and Beatriz Morales-Nin. Seasonal and short spatial patterns in European hake (*Merluccius merluccius*, L) recruitment process at the Balearic Islands (NW Mediterranean): the role of environment on distribution and condition. Journal of Marine Systems 71: 367–384. IF: 2.56, Quartile: 1, Times cited: 51
- 2007 **Lloret, J.**, M. Demestre, J. Sánchez-Pardo. Lipid reserves of red mullet (*Mullus barbatus*) during spawning in the north-western Mediterranean: influence of habitat characteristics and fishing. Scientia Marina 71(2): 269-277. IF: 1.41, Quartile: 3, Times cited: 34
- 2006 Sabatés, A., P. Martín, **J. Lloret** & V. Raya. Sea warming and fish distribution: the case of the small pelagic fish, *Sardinella aurita*, in the western Mediterranean. Global Change Biology 12:2209-2219. IF: 8.04, Quartile: 1, Times cited: 171
- 2006 Gómez, S., **Lloret, J.**, Demestre, M. and V. Riera. The decline of the artisanal fisheries in Mediterranean coastal areas: The case of Cap de Creus (Cape Creus). Coastal Management 34(2):217-232. IF: 1.41, Quartile: 3, Times cited: 71 **Top 10 most cited article 2006-2008**
2005. Rätz, H.J. and **J. Lloret**. Long-term variability of growth and recruitment of cod (*Gadus morhua*) off Greenland". ICES Journal of Marine Science 62: 1310-1321. IF: 2.47, Quartile: 1, Times cited: 19
2005. **Lloret, J.**, R. Galzin, L. Gil de Sola, A. Souplet and M. Demestre Habitat related differences in lipid reserves of some exploited fish species in the north-western Mediterranean continental shelf. Journal of Fish Biology 67:51-65. IF: 1.85, Quartile: 2, Times cited: 49
2004. **Lloret, J.**, I. Palomera, J. Salat and I. Solé. Impact of freshwater input and wind on landings of anchovy (*Engraulis encrasicolus*) and sardine (*Sardina pilchardus*) in shelf waters surrounding the Ebre River delta (north-western Mediterranean). Fisheries Oceanography 13:2, 102-110. IF: 2.77, Quartile: 1, Times cited: 165
2003. **Lloret J.**, and S. Planes. Condition, feeding and reproductive potential of white seabream (*Diplodus sargus*) as indicators of habitat quality and the effect of protection in the

- northwestern Mediterranean". Marine Ecology Progress Series 248:197-208. IF: 3.09, Quartile: 1, Times cited: 107
2003. Rätz, H.J., **J. Lloret**. Variation in fish condition between Atlantic cod (*Gadus morhua*) stocks and implications for their management. Fisheries Research 60:369-380. IF: 1.89, Quartile: 1, Times cited: 166
2002. **Lloret, J.**, Gil de Sola, L., Souplet, A. and Galzin, R. Effects of large-scale habitat variability on condition of demersal exploited fish in the north-western Mediterranean. ICES Journal of Marine Science 59:1215-1227. IF: 2.47, Quartile: 1, Times cited: 85
- 2002 **Lloret J.**, and J. Lleonart. Recruitment dynamics of eight fishery species in the Northwestern Mediterranean Sea. Scientia Marina 66(1):77-82. IF: 1.41, Quartile: 3, Times cited: 36
- 2001 **Lloret, J.**, J. Lleonart, I. Solé and J. M. Fromentin. Fluctuations of landings and environmental conditions in the NW Mediterranean Sea. Fisheries Oceanography 10(1):33-50. IF: 2.77, Quartile: 1, Times cited: 172
- 2000 **Lloret, J.**, J. Lleonart and I. Solé. Time series modelling of landings in Northwest Mediterranean Sea. ICES Journal of Marine Science 57:171-184. IF: 2.47, Quartile: 1, Times cited: 66
- 2000 **Lloret, J.** and H.J. Rätz. Condition of cod (*Gadus morhua*) off Greenland during 1982-98. Fisheries Research 48:79-86. IF: 1.89, Quartile: 2, Times cited: 66
- 1995 Stein M. and **J. Lloret**. Stability of Water Masses - Impact on Cod Recruitment Off West Greenland?. Fisheries Oceanography 4:3, 230-237. IF: 2.77, Quartile: 1, Times cited: 5

#### **Books and book chapters**

2017. Gómez, S., **Lloret, J.** The SSF Guidelines as a tool for marine stewardship in the Mediterranean: the case of the Cap de Creus Marine Protected Area. In: The Small-Scale Fisheries Guidelines Global Implementation (edited by Svein Jentoft et al.). 812 pp. Springer, Germany. ISBN 978-3-319-55074-9
2016. Gómez, S., **Lloret, J.** *La pesca artesanal a Cap de Creus: una mirada al futur*. Parc Natural de Cap de Creus. ISBN 978-84-393-9511-9
2015. **Lloret, J.** *Ecosistemas marinos y salud humana: riesgos y beneficios procedentes del mar* (Marine ecosystems and human health: risks and benefits from the sea). In: *Nutrición y Salud* (Nutrition & Health). Ed: J. Ordovás. Mediterráneo Económico, Cajamar Caja Rural ISBN-13: 978-84-95531-69-8
- 2014 **Lloret, J.**, Shulman, G., Love, M. Condition and health indicators of exploited marine fishes. 318 pp. Wiley-Blackwell (ISBN: 978-0-470-67024-8). Full book <http://eu.wiley.com/WileyCDA/WileyTitle/productCd-047067024X.html>
2014. **Lloret, J.** *La mar de Cap de Creus i el Golf de Roses*. Chapter 6. In: *Patrimoni Natural de Catalunya*. Ed: Martí Boada. 304 pp. Enciclopèdia Catalana. ISBN: 978-84-412-1954-0. <http://enciclopedia-catalana.cat/obres/patrimoni-natural-de-catalunya/>
- 2011 M. Casadevall, **J. Lloret**. and M. Muñoz (editors). "*Home vs Mar*". 111 pp. Published by Documenta Universitaria, Girona, Spain. ISBN 978-84-9984-099-4. <http://www.amazon.com/Home-Quaderns-Ambient-Catalan-Edition-ebook/dp/B00IE663AI>
2010. **Lloret, J.** Environmental Impacts of Recreational Activities on the Mediterranean Coastal Environment: The Urgent Need to Implement Marine Sustainable Practices and Ecotourism (Chapter 5). In: *Ecotourism: Management, Development and Impact*. A. Krause and E. Weir (eds.). Nova Science Publishers, New York, ISBN 978-1-60876-724-3. [https://www.novapublishers.com/catalog/product\\_info.php?products\\_id=11056](https://www.novapublishers.com/catalog/product_info.php?products_id=11056)
2009. **Lloret, J.**, Demestre, M., Casadevall, M., Muñoz, M. Towards new approaches to fisheries management in the Mediterranean Sea (Chapter 3). In: *Fisheries: Management, Economics and Perspectives*. Nelson F. McManus & David S. Bellinghouse (eds.). Nova Science

Publishers, New York, US, ISBN: 978-1-60692-303-0.

[https://www.novapublishers.com/catalog/product\\_info.php?products\\_id=8624](https://www.novapublishers.com/catalog/product_info.php?products_id=8624)

**Other publications (reports, peer reviewed publications without IF, etc)**

- 2018 Font, T., Lloret, J. Improving the efficiency of marine protected areas (MPAs) as fisheries management tools and benefits from involving the small-scale fisheries sector. In: Regional Conference on building a future for sustainable small-scale fisheries in the Mediterranean and the Black Sea. Ed. by Srour et al. FAO Fisheries and Aquaculture Proceedings nr 58
- 2018 Science for Policy Report STECF-18-08. Edited by Bailey et al.. European Commission
- 2018 Science for Policy Report STECF-18-02. Edited by Clara Ulrich & Hendrik Doerner. European Commission
- 2017 Science for Policy Report STECF-17-08. Edited by Dominic Rihan and H. Doerner. European Commission. ISBN 978-92-79-67480-8
- 2017 Science for Policy Report 17-02. Edited by Clara Ulrich & Hendrik Doerner. European Commission. ISBN 978-92-79-67488-4
- 2017 Science for Policy Report PLEN-17-01. Edited by Clara Ulrich & Hendrik Doerner. European Commission. ISBN 978-92-79-68083-0
- 2016 Font, T., **J. Lloret**. Code of conduct on recreational fishing in marine protected areas. MedPAN North.45 pp.
- 2013 Font, T., **J. Lloret**. *La pesca de recreo en las 10 Áreas LIC del proyecto LIFE+Indemares*. 150 pages.
- 2012 T. Font, **J. Lloret** and C. Pianté Recreational fishing within Marine Protected Areas in the Mediterranean. MedPAN North Project. Published by WWF & Parc National de Port Cros, France. 160 pages. ISBN 979-10-92093-03-2
- 2011 Abella, J. A.; Cardinale, M.; Martin, P.; García Rodríguez, M. Colloca, F.; Fiorentino, F.; Knittweis, L.; **Lloret, J.**; et al. Scientific, Technical and Economic Committee for Fisheries. Assessment of Mediterranean Sea stocks -part 1 (STECF-11-08). ISBN 978-92-79-22171-2
2011. Abella J. A., Cardinale M., Martin P., García Rodríguez M., Sala A., Accadia P., Colloca, F., Fiorentino F., Knittweis L., Ligas, A., Lloret J., et al. Scientific, Technical and Economic Committee for Fisheries. Report of the SGMED-10-03 Working Group on the Mediterranean Part II. European Commission. ISBN 978-92-79-20807-2
2010. Science for Policy Report SGMED-10-03 Working Group on the Mediterranean Part II. European Commission. ISBN 978-92-79-20182-0
2010. Science for Policy Report SGMED-10-02 European Commission. ISBN 978-92-79-18754-4
- 2010 Science for Policy Report SGMED-10-01. European Commission. ISBN 978-92-79-15797-4
- 2010 Science for Policy Report SGMED-09-03. European Commission. ISBN 978-92-79-15798-1
- 2009 Science for Policy Report SG-MED 09-01 European Commission. ISBN 978-92-79-12607-9
- 2006 **J. Lloret**. The Mediterranean sides of the Pyrenees. Scientific report. In: UNESCO's nomination of the list of World Heritage. Ed. by J. Cabezas. Consell Comarcal de l'Alt Empordà (Spain) and Conseil de Développement Pays Pyrénées-Méditerranée (France).
2006. **J. Lloret** and V. Riera. The marine environment of Cape Creus and Gulf of Roses. Revista de Girona 236:6-15.
- 2006 **J. Lloret** et al. Variability of physical factors relevant to fisheries production in the Mediterranean Sea, North Sea and Baltic Sea. Boletín Instituto Español de Oceanografía 22 (1-4): 73-82
- 2005 H.-J. Rätz, C. Stransky and **J. Lloret**. Groundfish Survey Results for Cod off Greenland 1982-2004. ICES North-western Working Group. Working paper. 19pp
- 2005 I. Palomera and **J. Lloret**. Impact Of Climate Change on NW Mediterranean Fisheries. In: Global warming and the world's fisheries - case studies. WWF Publications

- 2004 **J. Lloret**. Assessment of the maritime recreational activities in the Natural Park of Cap de Creus. Tech. Rep. D.G. Environment of the Government of Catalonia
- 2003 S. Gómez and **J. Lloret**. Assessment of the artisanal fisheries in the Natural Park of Cap de Creus. Tech. Rep. D.G. Environment of the Government of Catalonia
- 2003 Palomera, I., Salat, J., **Lloret, J** Impact of riverine inputs on pelagic ecosystems. In: P. Arrojo and L. Del Moral (eds.), La directiva marco del agua: realidades y futuros. FNCA. University of Zaragoza. Junta de Andalucía, pp. 273-288.
- 2001 M. Stein and **J. Lloret**. "Forecasting of air and water temperatures for fishery purposes with selected examples from Northwest Atlantic". Journal of Northwest Atlantic Fisheries Science 29:23-30 (Canada)
- 2000 H.-J. Rätz, **J. Lloret**, J. Casey, A. Aglen, S. A. Schopka, L. O'Brien and P. Steingrund. Variation in fish condition between Atlantic cod (*Gadus morhua*) stocks and implications for their management. ICES CM 2000/V:07(2000)
- 1999 H.-J. Rätz, M. Stein and **J. Lloret**. "Variation in Growth and Recruitment of Atlantic Cod (*Gadus morhua*) off Greenland During the Second Half of the 20th. Century". Journal of Northwest Atlantic Fisheries Science 25:163-173 (Canada)
- 1999 H.J. Rätz and **J. Lloret**. Assessment of Thorny Skate (*Raja radiata*) in NAFO Subarea 1 and ICES Div. XIVb Based on Survey Indices, 1982-98. NAFO SCR Doc. 99/33.
- 1999 H.J. Rätz and **J. Lloret**. Assessment of American Plaice (*Hippoglossoides platessoides*) in NAFO Subarea 1 and ICES Div. XIVb Based on Survey Indices, 82-98. NAFO SCR Doc. 99/21.
- 1999 M. Stein and **J. Lloret**. Environmental Indices—Predicting Air Temperatures and Water Temperatures in the Northwest Atlantic by Time Series Analysis. NAFO SCR Doc. 99/7.
1998. M. Stein, **J. Lloret** and H.J. Rätz. North Atlantic Oscillation (NAO) Index-Environmental Variability Effects on Marine Fisheries?. NAFO SCR Doc. 98/20.
- 1998 H.J. Rätz and **J. Lloret**. Checking of Some Conventional Management Reference Points for the Cod Stock off Greenland. NAFO SCR Doc. 98/4.
- 1997 **J. Lloret**. "Population Dynamics of American plaice (*Hippoglossoides platessoides*) off West Greenland (NAFO Div. 1B-1F), 1982-94". NAFO Sci. Coun. Studies, 30: 89-107 (Canada).
- 1996 M. Stein and **J. Lloret**. "Impact of Anomalous Oceanographic Conditions. Stability of Water Masses - Impact on Cod Recruitment Off West Greenland". NAFO Sci. Coun. Studies, 24: 81-86. (Canada)
- 1995 **J. Lloret**. Stock Abundance and Biomass, Distribution and Length Structure of American plaice (*Hippoglossoides platessoides*) Off West Greenland (NAFO Div. 1B-1F, 0-400m), 1982-94. NAFO SCR Doc. 95/5 Serial No. N2506.

## 6. RESEARCH ACTIVITIES

**Projects** (when coordinated by J. Lloret appears in **bold**):

TITLE: Blue Growth and conservation of marine resources in the Mediterranean: safeguarding MPAs in order to achieve Good Environmental Status (PHAROS4MPAs)

FUNDING: EU INTERREG programme

FROM: 02/2018 TILL: 10/2019

COORDINATION: **J. Lloret** (at the UdG).

BUDGET: 158,000€ (UdG): 1.000.000 €(total)

NUMBER OF SCIENTISTS WHO PARTICIPATED: 15

TITLE: The omega 3 fatty acids and the quality of seafood in the Costa Brava region (Omega 3).

FUNDING: EU FLAG-EFF program& Autonomous Gvt of Catalonia



FROM: 07/2018                      TILL: 10/2019  
COORDINATION: **J. Lloret**  
BUDGET: 150,000€  
NUMBER OF SCIENTISTS WHO PARTICIPATED: 3

TITLE: Benefits of marine protected areas to human health and wellbeing  
FUNDING: MedPAN small projects (MAVA Foundation & Prince II Albert of Monaco Foundation)  
FROM: 07/2018                      TILL: 10/2019  
COORDINATION: **J. Lloret**  
BUDGET: 27,000€  
NUMBER OF SCIENTISTS WHO PARTICIPATED: 3

TITLE: Marine protected areas: network(s) for enhancement of sustainable fisheries in EU Mediterranean waters (SAFENET)  
FUNDING: European Commission, Ref. SI2.721708  
FROM: 01/2016                      TILL: 12/2018  
COORDINATION: **J. Lloret** (at the UdG), J. Claudet (CNRS France, global coordinator).  
BUDGET: 55,904€(UdG); 624,925€(total)  
NUMBER OF SCIENTISTS WHO PARTICIPATED: 20

TITLE: Marine biodiversity and human health in the marine protected area of Cap de Creus  
FUNDING: Park's Service of the Gvt. of Catalonia & Caixabank Foundation  
FROM: 08/2017                      TILL: 01/2018  
COORDINATION: **J. Lloret.**  
BUDGET: 20,000€  
NUMBER OF SCIENTISTS WHO PARTICIPATED: 4

TITLE: Monitoring of artisanal fisheries in the marine reserve of Cap de Creus  
FUNDING: MPA of Cap de Creus, Govt. of Catalonia (*Generalitat de Catalunya*)  
FROM: 01/2003                      TILL: 12/2017  
COORDINATION: **J. Lloret**  
BUDGET: 65,000€  
NUMBER OF SCIENTISTS WHO PARTICIPATED: 3

TITLE: Impact of climate change and fisheries on the species of the genus *Molva* in the Mediterranean and the North Atlantic.  
FUNDING: University of Girona, Ref. MPCUdG2016  
FROM: 01/2016                      TILL: 12/2018  
COORDINATION: **J. Lloret** & M. Muñoz  
BUDGET: 22,500  
NUMBER OF SCIENTISTS WHO PARTICIPATED: 3

TITLE: «Améliorer l'efficacité des AMP comme outils de gestion des pêches et bénéfiques potentiels de l'implication de la pêche artisanale»  
FUNDING: MedPAN network of marine protected areas in the Mediterranean  
FROM: 11/2015                      TILL: 03/2016  
COORDINATION: **J. Lloret**  
BUDGET: 5,000 €

NUMBER OF SCIENTISTS WHO PARTICIPATED: 2

TITLE: Scientific platform and website “Fish & Human health”

FUNDING: Catalan Fishmonger’s Association, Supermarkets La Sirena, Spanish Ministry of Economy and Competitiveness, Catalan Agency of Health (Government of Catalonia), UdG

FROM: 06/2014 TILL: 12/2017

COORDINATION: **J. Lloret**

TOTAL BUDGET: 3.500 €

NUMBER OF SCIENTISTS WHO PARTICIPATED: 6

TITLE: Responsible recreational fisheries in the MPAs of Cape Creus and Medes-Montgrí

FUNDING: Govt. of Catalonia, Marine Reserve of Medes Islands

FROM: 10/2015 TILL: 12/2015

COORDINATION: **J. Lloret**

TOTAL BUDGET: 3.000 €

NUMBER OF SCIENTISTS WHO PARTICIPATED: 2

TITLE: Impact of Global Change on exploited fish species: the case of *Molva* species in Icelandic and Mediterranean waters

FUNDING: NILS Mobility project- EEA grants Iceland-Liechtenstein-Norway. Ref 007-ABEL-IM-2014B

FROM: 02/2015 TILL: 10/2015

COORDINATION: **J. Lloret**

TOTAL BUDGET: 2,981€

NUMBER OF SCIENTISTS WHO PARTICIPATED: 2

TITLE: Tackling major impacts of recreational fishing

FUNDING: Fonds Français pour l'Environnement Mondial, Mava Foundation & Prince Albert II of Monaco Foundation. MedPAN Small projects.

FROM: 09/2014 TILL: 03/2016

COORDINATION: **J. Lloret**

TOTAL BUDGET: 26,000€

NUMBER OF SCIENTISTS WHO PARTICIPATED: 2

TITLE: E-CATE : Evaluation de la Connectivité entre Aires marines protégées et rôle des habitats Essentiels

FUNDING: Total Fondation

PARTNERS: Univ. of Perpignan & CNRS (France), University of Barcelona (Spain)

FROM: 01/2014 TILL: 12/2016

COORDINATION: **J. Lloret** (at the UdG); P. Lenfant (Univ. Perpignan, France, global coord.).

TOTAL BUDGET: 322,000€

NUMBER OF SCIENTISTS WHO PARTICIPATED: 10

TITLE: Relationship between parasitism, condition and reproductive potential of exploited fish

FUNDING: Spanish Govt., Ministry of Science & Innovation, *Subprograma de Proyectos de investigación fundamental no orientada*, Ref. CTM2009-08602 (subprograma MAR)

PARTNERS: Univ. of Perpignan & CNRS (France)

FROM: 01/2010 TILL: 06/2013

COORDINATION: **J. Lloret**

TOTAL BUDGET: 84,700€  
NUMBER OF SCIENTISTS WHO PARTICIPATED: 6

TITLE: Analysis of recreational fisheries in 10 LIC areas, project LIFE+INDEMARES  
FUNDING: EU-LIFE / Fundación Biodiversidad / Ministerio de Agricultura, Alimentación y Medio Ambiente

PARTNERS:

FROM: 08/2013 TILL: 12/2013

COORDINATION: **J. Lloret**

TOTAL BUDGET: 17,800€

NUMBER OF SCIENTISTS WHO PARTICIPATED: 3

TITLE: Recreational fisheries in Mediterranean Marine protected areas

FUNDING: National Park of Port Cros (France)

FROM: 08/2011 TILL: 07/2012

COORDINATION: **J. Lloret**

TOTAL BUDGET: 8,958€

NUMBER OF SCIENTISTS WHO PARTICIPATED: 2

TITLE: Assessment of maritime activities of the marine reserve of Montgrí-Illes Medes to establish the management plan (PRUG)

FUNDING: Govt. of Catalonia (*Generalitat de Catalunya*), Dep. Environment

FROM: 08/2011 TILL: 11/2011

COORDINATION: **J. Lloret**

TOTAL BUDGET: 11,000€

NUMBER OF SCIENTISTS WHO PARTICIPATED: 3

TITLE: Impact of climate change on coastal marine resources: Cap de Creus case study

FUNDING: Abertis Foundation, Ref. 1018-100305-00

PARTNERS: CSIC, UAB, UPC

FROM: 25/06/2010 TILL: 31/10/2011

COORDINATION: **J. Lloret**

TOTAL BUDGET: 22,300€

NUMBER OF SCIENTISTS WHO PARTICIPATED: 8

TITLE: Coastal fisheries: Integration of Biological And Socioeconomic aspects of artisanal and recreational fisheries for the preservation of coastal fishes.

FUNDING: European Science Foundation, Ref. Coastal Fisheries

FROM: 14/09/2011 TILL: 16/09/2011

COORDINATION: **J. Lloret** and K. Erzini

TOTAL BUDGET: 12,000€

NUMBER OF SCIENTISTS WHO PARTICIPATED: 18

TITLE: Environmental assessment in the marine reserve of Cap de Creus in order to establish the management plan (PRUG).

FUNDING: Govt. of Catalonia, DG Environment

FROM: 03/2008 TILL: 12/2011

COORDINATION: **J. Lloret**

TOTAL BUDGET: 72,000€

NUMBER OF SCIENTISTS WHO PARTICIPATED: 1

TITLE: Health of exploited fish: exploring interdisciplinary ways to integrate fish condition in the assessment and management of marine resources and habitats.

FUNDING: Spanish Govt., Ministry of Science and Innovation. *Acción Complementaria Ref. CTM2009-07342-E/MAR*

FROM: 15/03/2010 TILL: 15/12/2010

COORDINATION: **J. Lloret**

TOTAL BUDGET: 3,000€

NUMBER OF SCIENTISTS WHO PARTICIPATED: 10

TITLE: The future marine reserve of Palamós: Biological evaluation of the interest of the proposal.

FUNDING: Govt. of Catalonia, Dept. of Universities, Innovation & Business. Project Ref. 2008ACOM00035

PARTNERS: *Promediterranea Foundation*, UdG

FROM: 07/2008 TILL: 09/2009

COORDINATION: **J. Lloret**

A TOTAL BUDGET: 5,000€

NUMBER OF SCIENTISTS WHO PARTICIPATED: 4

TITLE: DVD about the marine research in the marine reserve of Cap de Creus

FUNDING: Govt. of Catalonia, Dept. of Universities, Innovation and Business. Project Ref. 2007 ACDC00027

PARTNERS: UdG, Natural Park of Cap de Creus

FROM: 11/2007 TILL: 11/2008

COORDINATION: **J. Lloret** (UdG)

TOTAL BUDGET: 6,000€

NUMBER OF SCIENTISTS WHO PARTICIPATED: 2

TITLE: Analysis of the reproductive ecology of *Helicolenus dactylopterus dactylopterus* in the Iberian Sea (EPRHELI). Ref. CTM 2006-13964-C03-01

FUNDING: Govt. Of Spain, Ministry of Education and Science (MEC)

PARTNERS: UdG, IIM-CSIC, U. de Vigo

FROM: 10/2006 TILL: 09/2009

COORDINATION: Marta Muñoz (UdG)

TOTAL BUDGET: 60,000€

NUMBER OF SCIENTISTS WHO PARTICIPATED: 9

TITLE: A multidisciplinary approximation to the management of marine ecosystems: divergent experiences as a basis of global strategies

FUNDING: BBVA Foundation

PARTNERS: ICM-CSIC, UB, Pontificia Univ. Católica de Chile. Santiago (Chile)

FROM: 09/2007 TILL: 09/2009

COORDINATION: C. Orejas (CSIC)

TOTAL BUDGET: 203,909€

NUMBER OF SCIENTISTS WHO PARTICIPATED: 10

TITLE: National Sampling Plan to monitor exploited fish species in the Mediterranean.

FUNDING: European Commission (DG XIV 1639/2011) & MICYT  
PARTNERS: IEO, IFREMER  
FROM: 01/2000 TILL: 12/2008  
COORDINATION: L. Gil de Sola (Instituto Español de Oceanografía, IEO), A. Souplet (IFREMER, France)  
TOTAL BUDGET: 963,855€  
NUMBER OF SCIENTISTS WHO PARTICIPATED: >30

TITLE: Network of Managers of Marine Protected Areas in the Mediterranean (MEDPAN).  
FUNDING: INTERREG III C (UE)  
ENTIDADES PARTICIPANTES: 15 RESERVAS MARINAS DEL MEDITERRANEO  
FROM: 01/2005 TILL: 12/2007  
COORDINATION: Catherine Piante (WWF-France)  
TOTAL BUDGET: 1.600.000 €  
NUMBER OF SCIENTISTS WHO PARTICIPATED: 20

TITLE: Recreational fisheries in the Natural Park of Cap de Creus  
FUNDING: Govt. of Catalonia (Generalitat de Catalunya), Dep. Environment  
FROM: 06/2006 TILL: 11/2007  
COORDINATION: **J. Lloret**  
TOTAL BUDGET: 15,000  
NUMBER OF SCIENTISTS WHO PARTICIPATED: 3

TITLE: Influence of the oceanographic structure and dynamics on demersal fish populations in the Balearic Islands (IDEA)  
FUNDING: Spanish Govt, Ministry of Science and Technology, Ref. REN 2002-04535-C02-02 (*plan nacional de I+D*) & Ref. 2002/10670-E/MAR (*acción especial*)  
PARTNERS: IEO-Baleares, ICM-CSIC, IMEDEA-CSIC  
FROM: 01/11/2002 TILL: 31/10/2005  
COORDINATION: E. Massutí (IEO)  
TOTAL BUDGET: 124,890€+37,000€  
NUMBER OF SCIENTISTS WHO PARTICIPATED: 10

TITLE: Response of benthic communities and sediment to different regimes of fishing disturbance in European waters (RESPONSE).  
FUNDING: FP6 UE, REF QLRT-2001-00787  
PARTNERS: ICM-CSIC, IEO, Polar- und Meeresforschung am Alfred-Wegener-Institut (Germany), School of Ocean Sciences University of Wales-Bangor (UK), CIBM Centro Interuniversitario Di Biologia Marina Ed Ecologia Applicata (Italy)  
FROM: 10/2002 TILL: 10/2005  
COORDINATION: M. Demestre (CSIC, Institut de Ciències del Mar)  
TOTAL BUDGET: 1,469,863 €  
NUMBER OF SCIENTISTS WHO PARTICIPATED: 20

TITLE: Impact of global change on marine communities of the NW Mediterranean (CACO)  
FUNDING: Spanish Govt, Ministry of Science and Education (MEC)  
PARTNERS: ICM-CSIC  
FROM: 01/2003 TILL: 12/2005  
COORDINATION: A. Sabatés (CSIC, Institut de Ciències del Mar)

TOTAL BUDGET: 1,469,863 €  
NUMBER OF SCIENTISTS WHO PARTICIPATED: 8

TITLE: Sustainable Fisheries. How can the scientific basis for fish stock assessments and predictions be improved (SAP)

FUNDING: European Commission (DG XIV FAIR CT-97-3805)

PARTNERS: 19 different research centers and universities from Europe, e.g. U. Bergen, IEO, ICM-CSIC, Institute of Marine Biology, etc

FROM: 01/1998 TILL: 04/2001

COORDINATION: Ø. Ulltang (University of Bergen, Norway)

TOTAL BUDGET: 550,000€

NUMBER OF SCIENTISTS WHO PARTICIPATED: >20

TITLE: Impact of fishery and environment on hake recruitment in Northwestern Mediterranean (LLUCET)

FUNDING: European Commission (DG XIV FAIR CT-97-3522)

PARTNERS: ICM-CSIC, IFREMER, CIBM, IZUG

FROM: 01/1998 TILL: 12/2000

COORDINATION: J. Lleonart (CSIC, Institut de Ciències del Mar)

TOTAL BUDGET: 920,000€

NUMBER OF SCIENTISTS WHO PARTICIPATED: 12

TITLE: Environmental impact of trawling on the benthic system on two different sea bed of the NW Mediterranean (IMPACT TRAWLING)

FUNDING: European Commission (DG XII, Study 97/020)

PARTNERS: ICM-CSIC, IEO, CIBM, CEFAS

FROM: 01/1998 TILL: 12/1999

COORDINATION: P. Sánchez (CSIC)

TOTAL BUDGET: 307,200€

NUMBER OF SCIENTISTS WHO PARTICIPATED: 7

TITLE: Investigations about Greenland cod, redfish, Greenland halibut and other exploited species off Greenland and in NAFO areas 1, 2 and 3

FUNDING: German Ministry of Fisheries and Agriculture

PARTNERS: ISH

FROM: 01/1995 TILL: 12/2001

COORDINATION: H.-J. Rätz (Thünen Institute, Germany)

TOTAL BUDGET: >2,000,000€

NUMBER OF SCIENTISTS WHO PARTICIPATED: >10

**Research stays abroad (pre and postdoctoral level) other than positions shown in section 4**

University of Reykjavik, Iceland. August 2015

Ifremer, Centre Sète, Sète, France. June 2004

Thünen Institute, Institute of Sea Fisheries, Hamburg, Germany. Total: 2.5 years: March 2002, February 2003, October-November 2000, April-July 1999, September-November 1998, March-May 1998, October-November 1997, September-October 1996, October-November 1995, January-June 1995, April 1994-July 1994

National Marine Fisheries Services (NMFS), National Oceanic and Atmospheric Administration (NOAA), Galveston Laboratory, Galveston, Texas, USA. October 1999.

Central University of Santiago de Chile, Chile. August 1996.

### **Editorial and review tasks**

Assistant Editor of the SCI journals “Scientia Marina” and “Animal Biodiversity and Conservation”

Referee’s tasks (> 50) for several journals: Marine Ecology Progress Series, Fisheries Oceanography, Journal of Fish Biology, Scientia Marina, Fisheries Research, Estuaries, Canadian Journal of Fisheries and Aquatic Sciences, PlosOne, Estuarine and Coastal Shelf Science, Review in Fisheries Science and Aquaculture, Aquatic Biology, etc

Expert reviewer of the 5<sup>th</sup> IPCC report “Climate Change 2014: Impacts, Adaptation, and Vulnerability” (2013)

## **7. KNOWLEDGE TRANSFER ACTIVITIES**

2017-2019 Full member of the Scientific, Technical and Economic Committee for Fisheries (STECF), European Commission, DG MARE. <https://stecf.jrc.ec.europa.eu/web/stecf/about-stecf/cv>

2005-2016 Scientific advice to the marine reserve of Cap de Creus (Catalonia, Spain)

2000-2016. Scientific advice to international fisheries management organizations: ICES, NAFO, FAO.

2009-2012 Participant in the SGMED (Mediterranean) group of the Scientific, Technical and Economic Committee for Fisheries (STECF)

2005-2008 Member of the advisory committee of the Marine Reserve of Banyuls-Cerbère (France)

2012 Scientific advice to elaborate the management plan of the marine reserve of Medes Islands (Spain)

2006 Scientific advice to the regional council of the Alt Empordà (Spain) to apply for the UNESCO's World Heritage listing for the Mediterranean Pyrenees sites.

2000-2017. Several dissemination activities (public engagement) including: (i) more than 20 articles and news in regional and national newspapers (El País, La Vanguardia, Le Monde, El Punt, Diari de Girona, Investigación y Ciencia (Spanish edition of Scientific American, etc); (ii) TV (Catalan and Spanish Broadcasting televisions TV3 and TVE, local TVs); (iii) Radio (Spanish, French and Catalan radios); (iv) more than 20 speeches organized by city Councils (e.g. Barcelona, Girona), the Govt. of Catalonia, high schools, NGOs (WWF, Iaedn), etc., (v) Research films and websites (e.g. the film “The research activities in the MPA of Cape Creus”

(<https://www.youtube.com/watch?v=4D7Xqlveflk> ) and the website “Fish&Health”

<http://salutipeix.udg.edu>

## **8. TEACHING & SUPERVISION ACTIVITIES**

### **Research supervision**

PhD direction (total: 4): T. Font (2014), D. Ferrer (2015), H. Villegas (2015), A.Serrat (2019) + 1 to be defended in 2019 (Alfredo García de Vinuesa) + 1 started in 2018 (Arnau Carreño)

Supervisor of post-graduate students: Dr. Yonvitner (Agricultural University Bogor, Indonesia, Erasmus Mundus), I. Buselic (University of Split, Croatia, Erasmus), T. Font (UdG), S. Biton-Porsmoguer (Univ. Aix-Marseille)

Supervisor of more than 5 Msc research works at the UdG

Supervision of more than 20 Bsc research works at the UdG

Supervision of several High-School research works

Member of PhD Juries (total: 17): F. Quattrocchi (Univ. Politècnica Catalunya), P. Brosset (Univ. Montpellier & Ifremer, France), F. Ordinas (Univ. Balearic Islands & IEO, Spain), R. Rosas-

Luís (Univ. Barcelona, Spain); J. Alós (Univ. of Balearic Islands & CSIC, Spain); S. Khelifa (EPHE, France); Z. Guo (Univ. Toulouse III, France & Institute Hydrobiology, China); E. Rovira (Univ. Barcelona), P. Veiga (Univ. Algarve, Portugal), P. Romans (Univ. Perpignan, France), D. Davidson (Univ. of Aberdeen, Scotland, UK), B. Luna (Univ. Alacant, Spain), M. Hidalgo (Univ. de Vigo, Spain), F. C  zar-F  lix-Hackradt (Univ. Murcia, Spain), Q. Pou (Univ. Girona, Spain), S. Vila (Univ. Girona), Ll. Benejam (Univ. Girona)

### **Teaching**

2006-2019 Lecturer at the University of Girona: >2000 hours of lectures at PhD, Master and graduate level in Biology and Environmental Sciences

2005-2008 Lecturer at the Catalan School of Fishermen and Maritime Activities. Government of Catalonia: 231 hours.

1998 Assistant professor at the University of Barcelona. Ph.D. in Biology: 30 hours

### **University & Research Accreditations**

2016 *Acreditaci   de Recerca Avan  ada (Catedr  tic=’’Full professor’’)*. AQU Catalonia

2014 *I3 Research Accreditation*. Spanish Ministry of Economy and Competitiveness (Spain)

2012 *Maitre de Conf  rences*. French Ministry of Education (France)

2012 *Acreditaci  n Nacional Profesores Titulares de Universidad*. ANECA (Spain)

2012 *Acreditaci   de Recerca*. AQU Catalonia.

## **9. SYMPOSIUMS, CONFERENCES & WORKSHOPS**

### **Invited speaker, chairmanship or member of the organizing committee**

2018. 18th ISSE International Summer School at the UdG ‘‘Oceans & Human Health’’. **Organizer & Chairman**

2018. SOPHIE workshop expert group ‘‘Oceans & Human Health’’. Organized by University of Exeter Medical School. Dublin, Ireland. Invited expert

2017. Workshop ‘‘Fisheries management measures in Natura 2000 sites in the Mediterranean Sea’’ Zadar, Croatia. D.G. Environment European Commission. Invited speaker

2016 ICES workshop on fish condition (WKFICON). University of Girona (Spain). **Organizer & Chairman.**

2016 FAO-GFCM conference Building a future for sustainable small-scale fisheries in the Mediterranean and the Black Sea. Panel 3 (Improving the efficiency of MPAs as fisheries management tools). Alger (Algeria). **Co-organizer** panel 3 & Webminar.

2014 Workshop MedPAN: Monitoring for managing Mediterranean MPAs. Tirana (Albania). Invited speaker

2014 Conference 10 years Ramon Margalef: Time series, science and Society. CSIC. Barcelona (Spain). Invited speaker

2014 Conference IFREMER. Condition and health indicators of exploited marine fishes. S  te (France). Invited speaker

2013 Conference 50 years National Park of Port-Cros : Conservation de la biodiversit   et d  veloppement durable. Hyeres (France). Invited speaker

2013 Conference at the Chinese Academy of Sciences (CAS) and the Chinese Academy of Fisheries Sciences (CAFS): Fish Condition & Artisanal Fisheries. Wuhan and Canton (China). Invited speaker

2012 Congress MedPAN marine protected areas. Antlaya (Turkey). Invited speaker

2011 European Science Foundation (ESF) Workshop. Coastal Fisheries: Integration Of Biological And Socioeconomic Aspects Of Artisanal And Recreational Fisheries For The Preservation Of Coastal Fishes. Faro (Portugal). **Chairman.**



- 2010 Marine Fish Health International Workshop. Girona. **Organizer & Chairman.**
2009. International Seminar Marine biodiversity and human health. University of Girona. **Organizer & Chairman**
- 2009 International Seminar “Assises Méditerranéennes des Petites Îles”. Conservatoire du Littoral. Six-Fours (France). Invited speaker
2008. Regional Seminar “Climate Change in the Mediterranean”. UNEP-Plan Bleu. Marseille (France). Invited speaker
- 2007 First workshop on marine protected areas of fishery interest. Maritime Studies Chair (Univ. of Girona). Palamós. Invited speaker
- 2006 Conference “Marine protected areas” (Catalan Society of Biology). Barcelona. Invited speaker
- 2006 II Conference “The environment of Cape Creus” (Natural Park of Cap de Creus). Figueres. **Chairman.**
- 2006 Workshop Marine Protected Areas in the Mediterranean and Sustainable Tourism (INTERREG project MedPAN). Colliure (France) and L’Estartit. Invited speaker.
- 2005 UNESCO Workshop Large-Scale disturbances (regime shifts) and recovery in aquatic ecosystems: challenges for management towards sustainability. Varna (Bulgaria). Invited speaker.
- 2004 EU& Irish Institute Conference EurOcean. Galway (Ireland). Invited Marie Curie Fellowship Program. Invited presenter
- 2004 Catalan Biology Society (ICHN). Barcelona. Invited speaker.
- 2003 CIESM Workshop. Time Series Analysis in the Mediterranean. Split (Croatia). Invited speaker.
- 2003 I Conference “The natural environment of Cape Creus” (Natural Park of Cap de Creus) El Port de la Selva. **Chairman.**
- 2001 COPEMED/FAO Workshop on Environmental variability and small pelagic fisheries in the Mediterranean Sea. Palma de Mallorca. Invited speaker.
- 1999 Seminar Institute for Sea Fisheries. Hamburg (Germany). Invited speaker

**Participation** (O: oral presentation; P: poster; M: manuscript, A: attendant)

- 2018 PICES 4<sup>th</sup> International Symposium “The effect of Climate Change on World’s Oceans”. June 2018, Washington DC (USA). O
2017. Biodiversity and Health in the face of climate change. German Federal Agency for Nature Conservation (BfN), European Network of Heads of Nature Conservation Agencies (ENCA) and World Health Organization (WHO). June 2017, Bonn (Germany). P.
- 2015 COST FA1004 Final Conference Conservation Physiology of Marine Fishes: Current Status and Prospects for Policy. Montpellier (France).
2014. Workshop MedPAN «Climate change in Mediterranean MPAs». Cadaqués (Catalonia, Spain). A
2012. III Assises Méditerranéennes des petites îles (PIM). Bizerte (Tunisia) April 2012. M.
- 2011 II World Recreational Fisheries Congress. Humboldt University Berlin (Germany). O.
2010. Annual Symposia Fish and Climate Change. Fisheries Society of the British Islands. Belfast (UK). P.
2008. II *Jornadas técnicas sobre reservas marinas de interés pesquero*. Càtedra d’Estudis Marítims Palamós (Catalonia, Spain). O.
2007. 1st Conference of the Mediterranean Marine Protected Areas Network. MedPAN. Porquerols (France). P.
2007. European Symposium on MPAs as a tool for Fisheries Management & Ecosystem conservation. Murcia (Spain). P

2007. NAFO NAFO/PICES/ICES Symposium Reproductive and Recruitment Processes of Exploited Marine Fish Stocks. Lisboa (Portugal). M.

2007 CIESM CONGRESS. Istanbul (Turkey). M.

2006 International Workshop on the Environment, Demersal Resources and Fisheries. Spanish Institute of Oceanography (IEO, Spain). M.

2005 Annual International Symposium “Fish Habitat and ecology”. Fisheries Society of the British Isles. Bangor (UK). O.

2005 Sixth International Crustacean Congress / University of Glasgow. Glasgow (UK). ICES Annual Science Conference. Aberdeen (Scotland). O.

2004 ICES Symposium The influence of climate change on North Atlantic Fish stocks. Bergen (Norway). O.

2004 CIESM Annual Congress. Barcelona (Spain). P.

2003 American Fisheries Society (AFS) Annual Symposia. Québec (Canada). O.

2003 Société Française d’Ichtyologie. II RIF Congress. Paris (France). O.

2003 ICES Study Group on Growth, Maturity and Condition in Stock Projections (SGGROMAT) Copenhagen (Denmark). O.

2002 United Nations Environment Program (UNEP) Symposium Marine Protected Areas in the Mediterranean. Roses. O.

1999 *Sustainable Fisheries* Conference (SAP) / University of Bergen. Bergen (Norway). O.

1998 Northwest Atlantic Fisheries Organization (NAFO) Annual Symposia. Lisbon (Portugal). O.

#### 10. EXPERT EVALUATOR

**Research projects:** evaluator of research projects (>20) for the D.G Research of the European Commission-H2020 Program, the European Science Foundation (ESF) COST Actions, the *Agence Nationale de la Recherche* (ANR, France), the *Agencia Nacional de Evaluación y Prospectiva* (ANEP, Spain), the *Agencia Andaluza de Evaluación* (AGAE, Spain) and National Geographic.

**Research centres & Universities:** member of evaluation committee of an IFREMER centre for the French Evaluation Agency for Research and Higher Education (AERES)  
Expert evaluator of two French University Schools of Research (Ecoles Universitaires de Recherche) for the ANR (France)

**Researchers:** member of evaluation committee of postdoc students for the ANEP (Spain)

#### 11. LANGUAGES

**English** (good). Diploma Level 4 *EIM*. University of Barcelona

**French** (good). Diploma Level 3 *EIM*. University of Barcelona

**German** (fair). Diploma Level 1 German Government and School of Languages, Univ. Girona.

**Catalan.** Native language.

**Spanish.** Native language.

# Summary of my CV

## Academic background

I received my Ph.D. degree (*summa cum laude*) in Biology from the University of Barcelona (Spain) in 2000. During my PhD, my research tasks were conducted at the *Institut de Ciències del Mar* (CSIC) in Barcelona (Spain) and the Institute of Sea Fisheries (*Thünen Institut*) in Hamburg (Germany). Previously I received the *Maîtrise* (MSc) in Applied Oceanology in 1994 from the University of Perpignan (France), the *Licenciatura* (BSc) in Biological Sciences in 1994 from the University of Barcelona and in the *Licence* (BSc) in Applied Oceanology in 1993 from the University of Perpignan (France). At present, I hold a permanent position “Professor Agregat” (Tenured Assistant Professor/) contract at the University of Girona (UdG), where I was recruited after completing 5-yr postdoc *Ramón y Cajal* research contract at this university, a 2-year postdoc at the CNRS-Centre d’Ecologie Tropicale et Méditerranéenne (USR3278 CRIOBE) in Perpignan (France) and another 2-yr postdoc at the Institut de Ciències del Mar (CSIC) in Barcelona (Spain). Overall, I hold more than 10 years of postdoc contracts.

## Fellowships, contracts and awards

Overall, I have been awarded 15 fellowships and contracts, including a doctoral Marie Curie fellowship of the programme FAIR-Agriculture and Fisheries, a predoctoral FPI fellowship from the Autonomous Govt. of Catalonia (4 years), a postdoctoral Marie Curie fellowship (2 years) of the programme Quality of Life and Management of Living Resources, a Marie Curie Reintegration Grant (1 year), a CRED postdoctoral fellowship from the Govt of Catalonia (2 years), a postdoctoral fellowship and a *Torres Quevedo* contract from the Spanish Ministry of Science and Education (MEC), a *Ramón y Cajal* contract (150,000€) awarded by the Spanish Ministry of Science and Innovation in 2009 (this is a prestigious contract in the Spanish scientific arena) and an IED award (100,000€) from the Spanish Ministry of Economy, Industry and Competitiveness in 2016. I have also been awarded other minor fellowships such as the Mercedes-Benz and Deutsche *Forschungsgemeinschaft* (DFG) fellowships (Germany), an Intercampus fellowship of the Spanish Ministry of Foreign Affairs and an Erasmus fellowship (EC). I also carried out several short research stays during this time in other overseas research centres, such as the NOAA-NMFS Galveston Lab (US) and the *Universidad Central de Chile* (Santiago, Chile). Finally, I received the *Carles Rahola* scientific prize (Town Council of

Cadaqués and Govt. of Catalonia). Since 2018, I'm director of the Chair Oceans & Human Health (University of Girona-Town Council of Roses)

## **Projects**

During my scientific career, I have participated in 32 projects financed by the Government of Catalonia, the Spanish Government and international institutions including the EC. 16 of these projects were coordinated by myself, with financial support granted by the Government of Catalonia (e.g. Natural Park's service and the Health Agency of the Gov. of Catalonia), the Spanish Government (e.g. Ministry of Economy and Competitiveness and Ministry of Agriculture, Food and Environment), foundations such as the *Abertis*, *Mava*, *Caixabank* and *Prince II Albert of Monaco* foundations, and other international organisations, such as Interreg (EC) Mediterranean, the *European Science Foundation* (ESF), MedPAN network of marine protected areas and the *National Park of Port Cros* (France), and private companies such as *La Sirena* Seafood Supermarkets and the Catalan Fishmonger Association. By coordinating these projects, which involved more than 30 scientists from around Europe and an overall budget of around 500,000 € I have gained extensive experience in research management and a high level of independence. The research projects I coordinated also allowed me to work hand-to-hand with different stakeholders, such as fishermen associations (e.g. *prudhomies* and recreational fishing associations), NGOs (e.g. WWF) and private companies (e.g. Normandie Appats). Although my research has been carried out mainly in Europe and the USA, in the last five years, I have made increasingly important contributions in Asian, African and Latin-American countries where I have been invited to join various research and academic activities involving students and researchers from these countries.

## **Publications**

During my scientific career, I have published more than 68 **peer reviewed publications**, of which **56 papers in SCI Journals, i.e. with impact factor (IF)**. I am the first author in about half of these publications I have been involved with. Throughout my scientific career thus far, I have also published more than 40 other publications (reports, working papers, government documents, etc.), bringing the total number of publications to more than 100. I am the lead author of what I believe to be the most comprehensive publication on the health of exploited fish in the world, *Condition and Health Indicators of Exploited Fish*, which was published by Wiley-

Blackwell (John Wiley & Sons, New Jersey, US) in 2014 (>200 items distributed so far). This book provides a sobering account of how important the health of exploited fish is in our understanding of the status of marine resources and ecosystems, and the importance of fish in human nutrition and medicine. I am also author of seven book chapters, among which: *Fisheries: Management, Economics and Perspectives* (Nova Publishers, New York), *Ecotourism* (Nova Publishers, US, 2009), *Nutrition & Health* (led by Dr. J. Ordovás, Director of the Nutrition and Genomics Laboratory at Tufts University - School of Medicine, US, and published by *Cajamar Publications*, Spain, 2015), and *Unpacking the Voluntary Guidelines for Securing Sustainable Small-Scale Fisheries - From Rhetoric to Action* (led by Svein Jentoft et al., and published in 2017 by Springer, Germany). I am also co-author of the most extensive report (2015) on recreational fisheries in the Mediterranean - published jointly by the WWF and the National Park of Port Cros, France (2012).

Overall, my publications were co-authored with more than 60 scientists and fisheries and environmental managers from around the world from a wide variety of research backgrounds, requiring high levels of international cooperation and team work. Nearly all my publications (ca 85%) were published in journals that are in the first (ca 45%) or second (ca 40%) quartile of the ISI JCR rankings for 2016, and in general are highly cited. My highest IFs are for the papers *Global Ecology and Biodiversity* (IF 5-yr mean: 7.24; ISI JCR Ranking: 1/46 category Geography Physical) and *Global Change Biology* (IF 5-yr mean: 8.04, ISI JCR Ranking: 1/37 category Biodiversity Conservation), which were among the first to demonstrate the impact of climate change on Mediterranean fish, whereas the most cited are *Fish. Ocean. 10 (1)* and *Fish. Ocean. 13(2)* (cited 104 and 90 times respectively, as of 2016), which were the first to show the impact of river runoff on Mediterranean fish landings. According to the ISI Web of Knowledge and Scopus (as of July of 2017), my SCI articles were cited in 1259 SCI publications (1001 without self-citations). The average citation per item is 21. **My h-index is 20.** A number of my papers have been the most downloaded or cited from their respective journals (e.g. *Coastal Management*, *Marine Pollution Bulletin*, *Ocean & Coast Management*, *Fisheries Research*).

## **Congresses**

During my scientific career, I have participated in 44 scientific congresses, conferences and workshops. In the majority (24) of these events, I was key speaker, chair or organizer and most of them (>80%) were international in scope (being held in China, UK, France, Portugal, US,

Canada, Turkey, Albania, etc). Among the congresses and workshops I have chaired or organized are the ICES workshop “*Fish condition*” (WKFICON) held in 2016 at the University of Girona, with the participation of 18 European scientists, the European Science Foundation (ESF) Exploratory Workshop ‘*Coastal Fisheries: Integration Of Biological And Socioeconomic Aspects Of Artisanal And Recreational Fisheries*’ held in 2011 at the University of Algarve (Portugal), with the participation of 20 European scientists from different disciplines (marine and fisheries biology, social anthropology and environmental economics), the international seminar ‘*Marine Biodiversity and Human Health*’ held in 2009 at the University of Girona, with the participation of 15 key speakers (marine biologists, physicians, veterinarians and public health officers) and nearly 100 attendees, and the international workshop “*Marine Exploited Fish Health*” held in 2010 at the University of Girona, with the participation of 8 European researchers, and two conferences for the broad public (dissemination of research) on the marine environment of the Cap de Creus marine reserve held in 2006 and 2008 in Spain, with more than 200 attendees.

### **Transfer of knowledge and related activities**

My research has been complemented with numerous tasks of research supervision, teaching, dissemination and other knowledge transfer activities. All these activities have qualitatively diversified my career path and helped to make results useful for society. My research has contributed to the elaboration of the management plans (which I coordinated) for the Cap de Creus and Medes Islands marine reserves (Autonomous Government of Catalonia). Furthermore, I have provided scientific advice to international and national fisheries and marine management organizations such as UNEP (United Nations Environment Program), ICES (Denmark), CIESM (Monaco), FAO (Italy), the European Commission, NAFO (Canada), the Ministry of Agriculture, Food and Environment (Spain) and the Government of Catalonia. Since 2009 I have been a member of the SGMED working group of the Scientific, Technical and Economic Committee for Fisheries (STECF), which advises the DG MARE (EU) on conservation and management of living aquatic resources, and since 2017 I’ve been full member of STECF. I have been director of 3 PhD Thesis (plus three more underway), supervised the research projects of more than 20 Master’s and graduate students; been member of 14 PhD juries in Spain, France, Portugal, China and the UK and conducted over 1500 hours of lectures at PhD, Master and graduate level biology courses at the university.

I have also been the evaluator of more than 30 research projects for the D.G Research (EU)-Horizon 2020 programme, the European Science Foundation – COST Actions, the *Agence National de la Recherche* (ANR, France), the *Agencia Nacional de Evaluación y Prospectiva* (ANEP, Spain) and the *Agencia Andaluza de Evaluación* (AGAE, Spain). I was also a member of an evaluation committee of the French Evaluation Agency for Research and Higher Education (AERES), evaluator of two university campus of excellence for the ANR (France), and member of an evaluation committee of more than 50 postdoc students for ANEP. These activities reflect my expertise in evaluating research projects, institutions and scientists at an international level. I am also Assistant Editor of the scientific journals *Scientia Marina* and *Animal Biodiversity and Conservation* (both included in the SCI index).

Furthermore, I have been involved in numerous activities of dissemination and public engagement including TV and radio programmes, articles in magazines and other journals. I have given several conferences for the broader public and coordinated a scientific documentary film. I am also the coordinator of the scientific website “*Fish & Health*” (<http://salutipeix.udg.edu>), a leading scientific platform in Spain and Latin American countries, and the first of its kind in Europe, where experts in marine biology, toxicology, parasitology and medicine highlight the interactions between the marine resources and human health and well-being, drawing attention to the benefits and risks of fish consumption in the framework of sustainable fisheries.

### **International and multidisciplinary cooperation**

During my PhD and postdoc research periods, I’ve cooperated with scientists from different disciplines (marine biology, social anthropology, engineering, economics, oceanography, climatology, fish physiology, parasitology and medicine) and research centres in Spain (e.g. CSIC, UB, UAB, Hospital Clínic-UB), France (e.g. IFREMER, CNRS and University of Perpignan), UK (e.g. University of Aberdeen and the Exeter Medical School), Portugal (e.g. University of Algarve), Germany (e.g. Thünen Institute), the EC (e.g. Joint Research Centre), Ukraine (e.g. National Academy of Science), China (e.g. Chinese Academy of Sciences), US (e.g. NOAA-NMFS and Human Nutrition Research Center of the Tufts University) and Indonesia (e.g. University of Bogor). These collaborative works resulted in a number of interdisciplinary and cross-country publications (I’ve published with more than 30 authors from around the world, many of which are leading scientists in their respective disciplines). I’ve also

cooperated with professional and recreational fishermen associations, governmental agencies responsible for seafood security and safety and with management organizations of marine resources and marine protected areas (see the section above “Transfer of knowledge”). Currently my research collaborations in the field of medicine (e.g. Dr. Lora Fleming from the Exeter Medical School in UK) are contributing to enhancing European scientific prestige around the world in the field of Oceans & Human Health (OHH).

### **Accreditations**

Official recognition of my qualities in research and teaching is reflected in the following accreditations, awarded within the last five years: *Acreditació de Recerca Avançada / “Catedràtic* (“Full professor”) by the AQU (Catalan autonomous government); *Acreditación Nacional Profesores Titulares de Universidad* by the ANECA (Spanish government), and *Maître de Conférences* by the CNU (French government).