

## Marco Cerqueira

Marco Cerqueira obtained his PhD with Honor and Distinction in Marine, Earth and Environmental Sciences at the University of Algarve in November of 2016 and did his graduation in Marine Biology and Biotechnology at the School of Tourism and Technology of the Sea of Peniche, ended in 2006. Between graduations has worked as a technician in different research projects from different fields e.g. fisheries, ecology and aquaculture, and where has gained a wide range of research interests and skills related with fish welfare and behavioural sciences. Spent some time abroad in the UK during his PhD with an award grant. After the PhD worked as an invited researcher for Angola Education Monastery developing 4 manuals of aquaculture-related issues for education. Participate as aquaculture consultant for a private company. Currently, has a postdoctoral fellow in 1 project but participate as a Doctorate in 2 other projects. Scientifically, has been a co-author of 3 publications of his previous research collaborations. Published 9 articles in specialized journals and 1 paper review in his recent field of research. Has 1 chapter of a book in development to be published in June 2019 and 3 papers submitted to highly peer-review journals. Participated in the organization of 1 conference. Joined 13 international/national meetings and project board meetings with presentation of oral communications and posters. Is currently supervising 2 doctoral thesis and invited has reviewer of 3 scientific publications. Received 4 grants awards. Within his professional network has interacted with multiple co-authoring collaborators. Recently invited has guest editor from an Open access scientific journal. The scientific domains in his research are related with Fish Welfare, Fish behaviour; Aquaculture Sustainability; environmental sustainability, Psychological stress; Physiological stress; Fish personality; Adaptation; Food health and security; Fish quality; Proteomics; Genomics; Metabolomics.

### Identificação

#### Identificação pessoal

Nome completo

Marco Cerqueira

Nome em citações bibliográficas

Cerqueira, Marco

Género

Masculino

Data de nascimento

1982/07/15

#### Identificadores de autor

Ciência ID

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## Moradas

University of Algarve - CCMAR- Centre of Marine Sciences (Department of Aquaculture). Faro, 8005-139 Faro, Faro, Portugal (Profissional)

Rua António Carrusca Rodrigues Lote 2A, 2º Esq., 8005-278 Faro, Faro, Portugal (Pessoal)

## Domínios de atuação

Ciências Naturais - Ciências da Terra e do Ambiente - Ciências do Ambiente

Ciências Naturais - Ciências Biológicas - Biologia das Ciências do Comportamento

## Idiomas

| Idioma                     | Conversação                  | Leitura                      | Escrita                      | Compreensão                  | Peer-review |
|----------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-------------|
| Português (Idioma materno) |                              |                              |                              |                              |             |
| Francês                    | Utilizador elementar (A1)    | Utilizador independente (B1) | Utilizador independente (B1) | Utilizador elementar (A1)    |             |
| Espanhol; Castelhana       | Utilizador independente (B1) | Utilizador proficiente (C1)  | Utilizador elementar (A1)    | Utilizador independente (B1) |             |
| Inglês                     | Utilizador proficiente (C1)  | Utilizador proficiente (C1)  | Utilizador proficiente (C1)  | Utilizador proficiente (C1)  |             |

## Formação

|                                      | Grau   | Classificação                    |
|--------------------------------------|--|----------------------------------|
| 2012/01/01 - 2016/11/29<br>Concluído | Ciências do Mar, da Terra e do Ambiente (Doutoramento)<br>Especialização em Especialidade: Aquacultura   | Muito Bom com distinção e louvor |
|                                      | Universidade do Algarve Faculdade de Ciências e Tecnologia, Portugal<br><i>"LINKING PERSONALITY AND APPRAISAL MODULATORS IN FISH" (TESE/DISSERTAÇÃO)</i> |                                  |

|   |  |    |
|---|--|----|
| 2004/09/13 -<br>2006/03/14<br>Concluído | Biologia Marinha e Biotecnologia (Licenciatura)  | 16 |
|   | Instituto Politécnico de Leiria Escola Superior de Turismo e Tecnologia do Mar de Peniche, Portugal<br><i>"Produção de macrozoobentos em recifes artificiais da costa Sul algarvia" (TESE/DISSERTAÇÃO)</i> |    |
| 2001/09/17 -<br>2004/09/21<br>Concluído | Biologia Marinha e Biotecnologia (Bacharelato)   | 16 |
|   | Instituto Politécnico de Leiria Escola Superior de Turismo e Tecnologia do Mar de Peniche, Portugal  |    |

## Percurso profissional

### Outros

|                            |  |
|----------------------------|--|
| 2017/11/13 - 2020/05/12    | PosDoc researcher under ALLYFISH project: Development of aquaculture fish with with reduced allergenic content contract 16-02-01-FMP-0014, Mar2020<br>Universidade do Algarve - Campus de Gambelas, Portugal                                 |
| 2017/05/14 - 2017/10/31    | Aquaculture feed production operator producing fish feeds. Aid in digestibility and fish handling trials<br>Sparos Lda, Portugal   |
| 2016/12/01 - 2017/05/10    | TEMPORARY Task as invited researcher to write aquaculture school manuals to Angola, "Introduction to fisheries and aquaculture", "Aquaculture Reproduction", "Aquaculture Nutrition and diseases" and "<br>Ministério de Angola, Angola      |
| 2017/01/01 - 2017/04/30    | Aquaculture consultant - Scientific and practical expertise for the development of an aquaculture unit in Setúbal, Portugal<br>Grupo Bensaude, Portugal  |
| 2012/01/01 - 2015/06/30    | PhD student subjected to European COPEWELL project – "Understanding of the basic mechanisms involved in coping strategies of fish towards improvement of welfare".<br>Centro de Ciências do Mar, Portugal                                    |
| 2015/02/01 -<br>2015/04/30 | Intern grant to perform molecular analysis of fish brain under the PhD on both ISPA (Lisbon) and CNC from the University of Coimbra.<br>Universidade de Coimbra Instituto de Anatomia Patológica, Portugal                                   |
| 2014/04/01 -<br>2014/07/18 | Grant attributed by AQUAEXCEL to assess if thermal preference predicts animal personality in a fresh water species Nile tilapia <i>Oreochromis niloticus</i> undertaken in the university of Stirling<br>University of Stirling, Reino Unido |
| 2011/07/01 - 2011/12/31    | Research fellow under AQUACOR project – "Pilot project for the production of meagre in different production systems" included earth ponds and off-shore cages.<br>Instituto Português do Mar e da Atmosfera Olhão, Portugal                  |

|                         |  |
|-------------------------|--|
| 2011/06/20 - 2011/07/19 | Research Fellow under CRYOSPERM - "Developing tools to analyse seminal quality in fish: implications for the creation of sperm banks"<br>Centro de Ciências do Mar, Portugal                               |
| 2006/05/01 - 2010/11/19 | Research fellows under different projects PROMOPESCA, PNAB, PRESPO, PROMAR, MARE in the framework of fisheries and aquaculture sustainability<br>Instituto Português do Mar e da Atmosfera Olhão, Portugal |

## Projetos

### Bolsa

|                         | Designação  | Financiadores                                    |
|-------------------------|---|--|
| 2017/11/13 - 2020/05/12 | ALLYFISH – "Development of aquaculture fish with low allergen content", contract 16-02-01-FMP-0014, Mar2020<br>ALLYFISH Mar2020 16-02-01-FMP-0014<br><br>Bolsa de Pós-Doutoramento<br>Universidade do Algarve, Portugal           | Programa Operacional Mar2020, Portugal           |
| 2012/01/02 - 2015/12/31 | COPEWELL – "A new integrative framework for the study of fish welfare based on the concepts of allostasis, appraisal and coping styles"<br>SFRH/BD/80029/2011<br><br>Bolsa de Doutoramento<br>Centro de Ciências do Mar, Portugal | European Commission, Luxemburgo                  |
| 2008/07 - 2011/10       | CRYOSPERM - "Development of tools to analyse sperm quality in fish: implications for cryobanking"<br>Provided by PTCRIS: 64533<br><br>Bolsa de Investigação<br>Centro de Ciências do Mar, Portugal                                | Fundação para a Ciência e a Tecnologia, Portugal |

### Projeto

|              | Designação  | Financiadores |
|--------------|---|---------------|
| 2017 - Atual | ALISSA - "Alimentação saudável e sustentável para peixes de aquacultura"<br>003520<br><br>Pós-doutorando (sem bolsa)<br>Centro de Ciências do Mar, Portugal |               |
| 2010 - Atual | PRESPO - "Desenvolvimento Sustentável da Pesca Artesanal no Espaço Atlântico"<br>n/a<br><br>Instituto Português do Mar e da Atmosfera Olhão, Portugal       |               |

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|-------------------------|--|--|
| 2005 - Atual            | SOLEAWIN - Projecto-piloto para a optimização de tabelas de alimentação durante a transição de alimento inerte para alimento vivo em linguado<br>31-03-05-FEP-0071 S | Promar, Portugal                       |
|                         | Sparos Lda, Portugal   |  |
| 2017/11/13 - 2020/05/12 | WELLFISH – “Establishment of welfare biomarkers in farm fish through a proteomic approach”<br>16-02-05-FMP-0012  | Programa Operacional Mar2020, Portugal |
|                         | Outra<br>Universidade do Algarve Faculdade de Ciências e Tecnologia, Portugal  |  |

## Outro

|             | Designação   | Financiadores   |
|-------------|--|---|
| 2018 - 2018 | PADA - Programa de apoio ao Desenvolvimento de Angola<br>n/a<br>Investigador | PADA - Programa de Apoio ao desenvolvimento de Angola, Angola |

## Produções

### Publicações

- Artigo em revista
- Schrama, Denise; Cerqueira, Marco; Raposo, Cláudia S.; Rosa da Costa, Ana M.; Wulff, Tune; Gonçalves, Amparo; Camacho, Carolina; et al. 2018. "Dietary Creatine Supplementation in Gilthead Seabream (*Sparus aurata*): Comparative Proteomics Analysis on Fish Allergens, Muscle Quality, and Liver". *Frontiers in Physiology* 9. <http://dx.doi.org/10.3389/fphys.2018.01844>.
  - Cerqueira, Marco; Raposo, Cláudia S.; Schrama, Denise; Moreira, Márcio Júlio Vicente; Boonanuntanasarn, Surintorn; Rodrigues, Pedro M.. 2018. "A Proteomics and other Omics approach in the context of farmed fish welfare and biomarker discovery". *Reviews in Aquaculture*. <http://dx.doi.org/10.1111/raq.12308>.
  - Folkedal, Ole; Fernö, Anders; Nederlof, Marit A J; Fosseidengen, Jan E; Cerqueira, Marco; Olsen, Rolf E; Nilsson, Jonatan. 2018. "Habituation and conditioning in gilthead sea bream (*Sparus aurata*): Effects of aversive stimuli, reward and social hierarchies". *Aquaculture Research* 49 (1): 335-340. <http://dx.doi.org/10.1111/are.13463>.
  - Navarro-Guillén, C.; Cerqueira, M.; Conceição, L.E.C.; Yúfera, M.; Engrola, S.. 2018. "Daily nutrient utilization and swimming activity patterns in Senegalese sole (*Solea senegalensis*) post-larvae". *Aquaculture* 492: 164-169. <http://www.scopus.com/inward/record.url?eid=2-s2.0-85045252043&partnerID=MN8TOARS>.
  - Cerqueira, M.; Millot, S.; Castanheira, M. F.; Félix, A. S.; Silva, T.; Oliveira, G. A.; Oliveira, C. C.; Martins, C. I. M.; Oliveira, R. F.. 2017. "Cognitive appraisal of environmental stimuli induces emotion-like states in fish". *Scientific Reports* 7 (1). <http://dx.doi.org/10.1038/s41598-017-13173-x>.

- 6 Cerqueira, Marco; Rey, Sonia; Silva, Tome; Featherstone, Zoe; Crumlish, Margaret; MacKenzie, Simon. 2016. "Thermal preference predicts animal personality in Nile tilapia *Oreochromis niloticus*". *Journal of Animal Ecology* 85 (5): 1389-1400. <http://dx.doi.org/10.1111/1365-2656.12555>.
- 7 Castanheira, Maria Filipa; Martínez Páramo, Sonia; Figueiredo, F.; Cerqueira, Marco; Millot, Sandie; Oliveira, Catarina C. V.; Martins, Catarina I. M.; Conceição, Luís E. C.. 2016. "Are coping styles consistent in the teleost fish *Sparus aurata* through sexual maturation and sex reversal?". *Fish Physiology and Biochemistry* 42 (5): 1441-1452. <http://dx.doi.org/10.1007/s100695-016-0231-5>.
- 8 Castanheira, M.F.; Cerqueira, M.; Millot, S.; Gonçalves, R.A.; Oliveira, C.C.V.; Conceição, L.E.C.; Martins, C.I.M.. 2016. "Are personality traits consistent in fish? - The influence of social context". *Applied Animal Behaviour Science* 178: 96-101. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84959441246&partnerID=MN8TOARS>.
- 9 Millot, Sandie; Cerqueira, Marco; Castanheira, Maria-Filipa; Øverli, Øyvind; Oliveira, Rui F.; Martins, Catarina I. M.. 2014. "Behavioural Stress Responses Predict Environmental Perception in European Sea Bass (*Dicentrarchus labrax*)". *PLoS ONE* 9 (9): e108800. <http://dx.doi.org/10.1371/journal.pone.0108800>.
- 10 Millot, S.; Cerqueira, M.; Castanheira, M.F.; Øverli, T.; Martins, C.I.M.; Oliveira, R.F.. 2014. "Use of conditioned place preference/avoidance tests to assess affective states in fish". *Applied Animal Behaviour Science* 154: 104-111. <http://www.scopus.com/inward/record.url?eid=2-s2.0-84898845667&partnerID=MN8TOARS>.
- 11 Carvalho, Susana; Constantino, Rita; Cerqueira, Marco; Pereira, Fábio; Subida, Maria Dulce; Drake, Pilar; Gaspar, Miguel B.. 2013. "Short-term impact of bait digging on intertidal macrobenthic assemblages of two south Iberian Atlantic systems". *Estuarine, Coastal and Shelf Science* 132: 65-76. <http://dx.doi.org/10.1016/j.ecss.2011.06.017>.
- 12 Santos, M. N.; Leitao, F.; Moura, A.; Cerqueira, M.; Monteiro, C. C.. 2010. "Diplodus spp. on artificial reefs of different ages: influence of the associated macrobenthic community". *ICES Journal of Marine Science* 68 (1): 87-97. <http://dx.doi.org/10.1093/icesjms/fsq139>.
- 13 Moura, A.; Da Fonseca, L.C.; Cúdia, J.; Carvalho, S.; Boaventura, D.; Cerqueira, M.; Leitão, F.; Santos, M.N.; Monteiro, C.C.. 2008. "Is surface orientation a determinant for colonisation patterns of vagile and sessile macrobenthos on artificial reefs?". *Biofouling* 24 (5): 381-391. <http://www.scopus.com/inward/record.url?eid=2-s2.0-47049094029&partnerID=MN8TOARS>.

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Capítulo de livro 1 Cerqueira, Marco; Rodrigues, Pedro Miguel Leal. 2019. "Proteomics and Fish". In *Proteomics for food authentication*, editado por CRC Press | Taylor & Francis Group eBook collection. CRC Press Publishing Platform.

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Manual 1 Cerqueira, Marco; Barata, Marisa; Quental-Ferreira, Hugo; Leitão, Francisco. 2019. *Manual de Reprodução Aquícola*. Angola: Ministério da Agricultura de Angola.

2 Cerqueira, Marco; Barata, Marisa; Leitão, Francisco. 2019. *Manual de Fundamentos de Nutrição e Patologia na Aquicultura*. Angola: Ministério da Agricultura de Angola.

3 Cerqueira, Marco; Barata, Marisa; Quental-Ferreira, Hugo; Leitão, Francisco. 2019. *Manual de Construção de Instalações Aquícolas*. Ministério da Agricultura de Angola.

4 Cerqueira, Marco; Leitão, Francisco. 2019. *Manual de Introdução à Pesca e Aquicultura*. Angola: Ministério da Agricultura de Angola.

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Poster em conferência 1 Cerqueira, Marco; Farinha, Ana Paula; Schrama, Denise; Raposo, Cláudia S.; Colen, Rita; Engrola, Sofia; Rodrigues, Pedro M.. 2019. "Effects of methionine supplementation on the performance of European seabass using a shotgun

proteomics approach". Trabalho apresentado em *XIII. Annual Congress of the European Proteomics Association: From Genes via Proteins and their Interactions to Functions*.

- 2 Cerqueira, Marco; Raposo, Cláudia S.; Schrama, Denise; Rodrigues, Pedro M.. 2019. "Establishment of farmed fish welfare biomarkers; a proteomics approach". Trabalho apresentado em *ICSGA 2019: 21st International Conference on Sustainable Global Aquaculture*.
- 3 Cerqueira, Marco; Schrama, Denise; Farinha, Ana Paula; Colen, Rita; Engrola, Sofia; Silva, Tome; Rodrigues, Pedro M.. 2018. "Effects of methionine supplementation on the performance of European seabass using a shotgun proteomics approach". Trabalho apresentado em *3rd AQUAIMPROVE -*.
- 4 Cerqueira, Marco; Raposo, Cláudia S.; Schrama, Denise; Rodrigues, Pedro M.. 2018. "Establishment of farmed fish welfare biomarkers; a proteomics approach". Trabalho apresentado em *VII SIBIC - Iberian Congress of Ichthyology 2018*.
- 5 Bernardete Rodrigues; Marco Cerqueira; Miguel Cabano; Catarina Oliveira. 2017. "• B. L. Rodrigues, M. Cerqueira, M. Cabano and C. C.V. Oliveira, 2017. Non-invasive method for measuring cortisol in gilthead seabream (*S. aurata*): determination of free cortisol released into the water. *Aquaculture Europe 17*, 17 – 20 October, Dubrovnik, Croatia.". Trabalho apresentado em *Aquaculture Europe 17*.
- 6 Martins, Catarina I.M.; Castanheira, Maria-Filipa; Herrera, Marcelino; Millot, Sandie; Cerqueira, Marco; Conceição, Luís E. C.. 2013. "Coping styles and welfare in farmed fish: current understanding and future directions". Trabalho apresentado em *Congresso Nacional de Etologia*.
- 7 Cerqueira, Marco; Castanheira, Maria-Filipa; Gonçalves, Rui A.; Oliveira, R. F.; Martins, Catarina I. M.. 2013. "Modulating the way fish appraise their world: how the predictability of appetitive and aversive stimuli modifies the behavioural responses of Gilthead sea bream (*Sparus aurata*)". Trabalho apresentado em *Behaviour 2013*.
- 8 Castanheira, Maria-Filipa; Cerqueira, Marco; Millot, Sandie; Gonçalves, Rui A.; Martins, Catarina I.M.. 2013. "Are personality traits consistent in fish? - The influence of social context.". Trabalho apresentado em *Behaviour 2013*.
- 9 Millot, Sandie; Cerqueira, Marco; Castanheira, Maria-Filipa; Martins, Catarina I. M.. 2012. "Use of conditioned place preference test to determine how fish appraise positive and negative stimuli.". Trabalho apresentado em *46th Congress of the International Society for Applied Ethology*.
- 10 Carvalho, Susana; Guerra-Garcia, J.M.; Cerqueira, Marco; Cúrdia, João; Oliveira, M.T. ; Santos, M.N.. 2010. "Caprellids from Santa Maria Bay (Sal Island, Cape Verde): natural versus artificial substrates at two different depths.". Trabalho apresentado em *XIV International Colloquium on Amphipoda*.
- 11 Cúrdia, João; Cerqueira, Marco; Stratoudakis, Y.; Santos, M.N.. 2010. "Underwater degradation of environmentally friendly nets under natural conditions". Trabalho apresentado em *XVI Simposio Ibérico de Estudios de Biología Marina*.
- 12 Cerqueira, Marco; Cúrdia, João; Pereira, Fábio; Afonso, C.M.; Oliveira, M.T. ; Santos, M.N.. 2010. "Diversidade malacológica na Baía de Santa Maria, Ilha do Sal, Cabo Verde: Recifes naturais vs artificiais.". Trabalho apresentado em *Congresso de Malacologia, University of Algarve, Faro, Portugal*.

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Tese / Dissertação

- 1 Cerqueira, Marco. 2016. "Linking personality and appraisal modulators in farmed fish: developmental tools to improve fish welfare.". Tese de Doutoramento, Universidade do Algarve.
  - 2 Cerqueira, Marco. 2006. "Produção de macrozoobentos em recifes artificiais da costa Sul algarvia.". Tese de Licenciatura, Instituto Português do Mar e da Atmosfera.
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## Outros

|                |   |   |
|----------------|---|---|
| Outra produção | 1 | Cerqueira, Marco; Silva, Tome; Félix, A.S.; Castanheira, Maria-Filipa; Martins, Catarina I.M.; Rey, Sonia; MacKenzie, Simon; et al. 2019. Controllability over the environment increases affective stress-coping ability in fish. Submitted to Proceeding of Royal Society of London B.                                 |
|                | 2 | Cerqueira, Marco; Schrama, Denise; Silva, Tome; Colen, Rita; Conceição, Luís E. C.; Engrola, Sofia; Rodrigues, Pedro M.; Farinha, Ana Paula. 2019. The additional value of proteomics in farmed fish growth research after dietary amino acids supplementation. To be submitted to the Journal of Experimental Biology. |
|                | 3 | Farinha, Ana Paula; Schrama, Denise; Silva, Tome; Colen, Rita; Conceição, Luís E. C.; Engrola, Sofia; Rodrigues, Pedro M.; Cerqueira, Marco. 2019. A label-free shotgun proteomics approach to Methionine dietary supplementation on seabass <i>Dicentrarchus labrax</i> performance. To be submitted to Proteomics.    |
|                | 4 | Cerqueira, Marco; Félix, A.S.; Silva, Tome; Oliveira, C.C.V.; Rey, Sonia; MacKenzie, Simon; Oliveira, G.A.; Oliveira, Rui F.. 2019. Cognitive appraisal in fish: stressor predictability modulates the physiological and neurobehavioural stress response in sea bass. Submitted to Hormones and Behaviour.             |

## Atividades

### Apresentação oral de trabalho

|            | Título da apresentação  | Nome do evento<br>Anfitrião (Local do evento)   |
|------------|---|---|
| 2019/01/14 | C. Raposo, D. Schrama, M. Cerqueira, P. Rodrigues, 2018. Establishment of farmed fish welfare biomarkers; a proteomics approach. ICSGA 2019: 21st International Conference on Sustainable Global Aquaculture. January 14 - 15, Bali, Indonesia.   | ICSGA 2019: 21st International Conference on Sustainable Global Aquaculture<br>Bali (Bali, Indonésia) |
| 2018/12/18 | Marco Cerqueira, Ana Paula Farinha, Denise Schrama, Rita Colen, Sofia Engrola, Tomé Silva, Pedro M. Rodrigues. Effects of amino acid supplementation on the performance of <i>Sparus aurata</i> using metabolic fingerprinting, proteomics and western blot techniques. 3rdAquaImprove – Aquaculture research workshop, December 18, 2018. Porto, Portugal. | 3rdAquaImprove – Aquaculture research workshop<br>CIIMAR - Porto (Porto, Portugal)                    |
| 2018/06/12 | C. Raposo, D. Schrama, M. Cerqueira, P. Rodrigues, 2018. Establishment of farmed fish welfare biomarkers; a proteomics approach. VII SIBIC - Iberian Congress of Ichthyology 2018, Faro, Portugal.  | VII SIBIC - Iberian Congress of Ichthyology 2018<br>Universidade do Algarve (Faro, Portugal)          |
| 2016/09/21 | B. L. Rodrigues, M. Grano, M. Cerqueira and C. C. V. Oliveira, 2016. Chronobiology in coping styles of gilthead seabream (S.  | Aquaculture Europe 16<br>(Edimburgo, Reino Unido)   |



aurata): towards understanding individual variation in biological rhythms. Aquaculture Europe 16, 21 – 23 Edinburgh, Scotland, U.K..

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|------------|--|---|
| 2014/10/14 | M. Cerqueira, S. Rey, B. McAndrew and S. Mackenzie, 2014. Using temperature choice in a dynamic environment to assess animal personality and infection susceptibility in Nile tilapia <i>Oreochromis niloticus</i> . Aquaculture Europe 2014. 14-17 October, San Sebastian, Spain.   | Aquaculture Europe 2014<br>AZTI-Tecnalia (San Sebastian, Espanha)                 |
| 2014/10/14 | M. Cerqueira, S. Millot, M.F. Castanheira; R. Oliveira; C.I.M. Martins, 2014. Modulating the way fish appraise their world: how predictable events affects behaviour and physiological responses in fish. Aquaculture Europe 2014. 14-17 October, San Sebastian, Spain.  | Aquaculture Europe 2014<br>AZTI-Tecnalia (San Sebastian, Espanha)                 |
| 2013/10/24 | M. Cerqueira, S. Millot, C.I.M. Martins, 2013. Feed intake recovery after stressful events in Gilthead Sea bream ( <i>Sparus aurata</i> ): what is the influence of coping style? 10º Congresso Nacional de Etologia, 24 – 25 October, Lisbon, Portugal.   | 10º Congresso Nacional de Etologia<br>Fundação Champalimaud (Lisboa, Portugal)    |
| 2013/08    | Millot, S.; Cerqueira, M.; Castanheira, M. F.; Martins, C.I.M., 2013. How fish appraise their environment: comparative study between different stimuli valences and personalities in European sea bass ( <i>Dicentrarchus labrax</i> ). Behaviour 2013, August, Newcastle, UK.   | Behaviour 2013<br>Sage Gateshead Newcastle (Newcastle, Reino Unido)               |
| 2013/08    | Martins, C.I.M., Castanheira, M.F., Herrera, M., Millot, S., Cerqueira, M, Conceição, L.E.C., 2013. Coping styles and welfare in farmed fish: current understanding and future directions. Behaviour 2013, August, Newcastle, UK.  | Behaviour 2013<br>Sage Gateshead Newcastle (Newcastle, Reino Unido)               |
| 2013/07    | Cerqueira, M.; Millot, S.; Oliveira, R.; MacKenzie, S.; Martins, C.I.M., 2013. Psychological modulator of fish appraisal: how the predictability of appetitive and aversive stimuli modifies the behavioural responses of Gilthead sea bream ( <i>Sparus aurata</i> ). Doctoral seminars from University of Algarve, July, Faro, Portugal. | Doctoral seminars from University of Algarve<br>CCMAR (Faro, Portugal)            |
| 2011/09    | S. Martinez-Páramo, M. Cerqueira, P. Diogo, M.T. Dinis, C. Sarasquete, E. Cabrita, 2011. European Sea bass ( <i>Dicentrarchus Labrax</i> ) sperm   | 3rd International Workshop on the Biology of Fish Gametes<br>(Budapeste, Hungria) |

modulation to improve antioxidant system for cryopreservation. 3rd International Workshop on the Biology of Fish Gametes, September, Budapest, Hungary.

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|------------|--|--|
| 2010/09    | J. Cúrdia, M.T. Oliveira, M. Cerqueira, S. Carvalho, F. Pereira, P. Lino, M.N. Santos, 2010. Macrobenthic biodiversity at two different depth ranges in the Bay of Santa Maria (Cabo Verde): natural vs. artificial reefs. XVI Simposio Ibérico de Estudios de Biología Marina, 6-10 September, Alicante, Spain.                           | XVI Simposio Ibérico de Estudios de Biología Marina<br>(Alicante, Espanha)       |
| 2010/09    | J. Cúrdia, P. Lino, M. Cerqueira, M. Cunha, M. N. Santos, 2010; Population dynamics of three gorgonian species in two actively fished areas in the Algarve. XVI Simposio Ibérico de Estudios de Biología Marina, 6-10 September, Alicante, Spain.  | XVI Simposio Ibérico de Estudios de Biología Marina<br>(Alicante, Espanha)       |
| 2009/09    | J. Cúrdia, M.T. Oliveira, M. Cerqueira, S. Carvalho, Fábio Pereira, P. Lino, M.N. Santos, 2009. Can artificial reefs mitigate the loss of biodiversity? A case study in Sal Island (Cape Verde). 9th Conference on Artificial Reefs and Artificial Habitats. 8-13 November, Curitiba, Brazil.  | 9th Conference on Artificial Reefs and Artificial Habitats<br>(Curitiba, Brasil) |
| 2009/08/30 | S. Carvalho, R. Constantino, M. Cerqueira, F. Pereira, M.D. Subida, P. Drake, M.B. Gaspar, 2009. Short-term impact of intertidal baitworm digging on non-target macrobenthic communities of two south Iberian Atlantic coastal systems. Estuarine and Coastal Sciences Association - ECSA'45, Dublin 30 of August and 4 of September 2009. | Estuarine and Coastal Sciences Association - ECSA'45<br>(Dublin, Reino Unido)    |
| 2008/11/02 | P. Lino; M. Cerqueira; M.N. Santos; 2008; Experimental restocking of Senegalese sole ( <i>Solea senegalensis</i> ) using hatchery produced and reared specimens: adaptation to sediment. 7th International Flatfish Symposium; 2 -7 November, Sesimbra, Portugal.  | 7th International Flatfish Symposium<br>(Sesimbra, Portugal)                     |

## Orientação

|                 | Título/Tema<br>Papel desempenhado   | Curso (Tipo)<br>Instituição / Organização  |
|-----------------|---|--|
| 2019/02 - Atual | Establishment of welfare biomarkers in fish farm through an proteomic approach.<br>Coorientador de Cláudia Raposo | Ciências do Mar, da Terra e do Ambiente (Doutoramento)<br>Universidade do Algarve Faculdade de Ciências e Tecnologia, Portugal |

|                    |  |  |
|--------------------|--|--|
| 2017/11/13 - Atual | Development of aquaculture fish with with reduced allergenic content<br>Coorientador | Ciências do Mar, da Terra e do Ambiente (Doutoramento)<br>Universidade do Algarve Faculdade de Ciências e Tecnologia, Portugal |
|--------------------|--|--|

## Organização de evento

|                         | Nome do evento<br>Tipo de evento (Tipo de participação)   | Instituição / Organização         |
|-------------------------|---|-----------------------------------|
| 2011/04/05 - 2011/04/07 | V The cultivation of Soles - Preparation and monitorization of the meeting.<br>(2011/04/05 - 2011/04/07)<br><br>(Membro da Comissão Organizadora) | Universidade do Algarve, Portugal |

## Participação em evento

|                         | Descrição da atividade<br>Tipo de evento   | Nome do evento<br>Instituição / Organização  |
|-------------------------|--|--|
| 2018/10 - 2018/10       | LÁQUA - Latin American & Caribbean Aquaculture 2018 (Congresso Colombiano de Aquacultura), 23-26 October, Bogotá, Colômbia.<br><br>Conferência | LÁQUA - Latin American & Caribbean Aquaculture 2018 (Congresso Colombiano de Aquacultura)<br><br>World Aquaculture Society, Estados Unidos |
| 2016 - 2016             | Course - "Using zebrafish as a model in biomedicine and the study of human diseases".<br><br>Oficina (workshop)                                | Course "Using zebrafish as a model in biomedicine and the study of human diseases"<br><br>Universidade do Algarve, Portugal                |
| 2015/08 - 2015/08       | Summer course "Zebrafish as model in biomedical Research: Focus in Gene, Brain and Behaviour".<br><br>Oficina (workshop)                       | Zebrafish as model in biomedical Research: Focus in Gene, Brain and Behaviour<br><br>Radboud Universiteit, Países Baixos                   |
| 2014/10/17 - 2014/10/18 | COPEWELL Scientific Meeting 2014; 17-18 October, San Sebastian, Spain<br><br>Mesa-redonda  | COPEWELL Scientific Meeting 2014<br>COPEWELL, Noruega  |
| 2014/10/14 - 2014/10/17 | EAS2014 – European Aquaculture Society; 14-17 October, San Sebastian, Spain<br><br>Conferência   | EAS2014<br><br>World Aquaculture Society, Estados Unidos   |
| 2013/10/30 - 2013/11/02 | COPEWELL Scientific Meeting 2013; 30 October to 2 of November, La Rochelle, France.<br><br>Mesa-redonda  | COPEWELL Scientific Meeting 2013<br>COPEWELL, Noruega  |
| 2013/08 - 2013/08       | Behaviour 2013 - International Ethological Conference and Association for the Study of Animal Behaviour.                                       | International Ethological Conference and Association for the Study of Animal Behaviour.  |

August, Newcastle Gateshead,  
Newcastle, UK.

Conferência

Association for the Study of Animal  
Behaviour, Reino Unido

|                         |  |  |
|-------------------------|--|--|
| 2012/11 - 2013/05/02    | Holder of certification under European law to perform procedures on animals, specifically aquatic animals, Felasa category C – Research and coordination of experiments with animals<br>Oficina (workshop) | CALAQUA<br>Centro Interdisciplinar de Investigação Marinha e Ambiental da Madeira, Portugal                        |
| 2012/12 - 2012/12       | Workshop LARVITA 2012: “Biological basis for improving fish larvae quality”<br>Oficina (workshop)  | LARVITA 2012: “Biological basis for improving fish larvae quality”<br>Centro de Ciências do Mar, Portugal          |
| 2012/11 - 2012/11       | Workshop subjected to “Behavioural and neuroanatomical neurosciences in fish”.<br>Oficina (workshop)   | Behavioural and neuroanatomical neurosciences in fish<br>Universitetet i Bergen, Noruega                           |
| 2012/11 - 2012/11       | Workshop: “Fish neuroanatomy, perfusion techniques, sampling and collection of fish brain”<br>Oficina (workshop)   | Fish neuroanatomy, perfusion techniques, sampling and Fish brain collection<br>Centro de Ciências do Mar, Portugal |
| 2012/10/03 - 2012/10/05 | COPEWELL Scientific Meeting 2012; 3 to 5 October, Hersonissos Crete, Greece<br>Mesa-redonda  | COPEWELL Scientific Meeting 2012<br>COPEWELL, Noruega  |
| 2012/03 - 2012/03       | Workshop “Scientific writing techniques”<br>Oficina (workshop)   | Scientific writing techniques<br>Fundação da Faculdade de Ciências da Universidade de Lisboa, Portugal             |

## Arbitragem científica em revista

|                         | Nome da revista (ISSN)            | Editora                      |
|-------------------------|-----------------------------------|------------------------------|
| 2019/01/25 - 2019/02/01 | Behavioural Processes (0376-6357) | Elsevier                     |
| 2018/11/06 - 2018/11/07 | Aquaculture Research (1365-2109)  | Wiley (Blackwell Publishing) |
| 2018/08/22 - 2018/09/03 | Behavioural Processes (0376-6357) | Elsevier                     |

## Consultoria / Parecer

|                         | Descrição da atividade   | Instituição / Organização |
|-------------------------|--|---------------------------|
| 2017/01/02 - 2017/04/30 | Aquaculture Consultant - Scientific and practical expertise for the development of an aquaculture unit in Setúbal, Portugal. This task were related to cost savings, responsible management practices and investments designed to generate positive impacts on key performance indicators, and sales and | Grupo Bensaude, Portugal  |

marketing strategies.

**Curso / Disciplina lecionado**

|                   | Disciplina  | Curso (Tipo)   | Instituição / Organização  |
|-------------------|---|--|--|
| 2013/02 - 2013/06 | Genética e Biologia molecular                       | Ciências do Mar, da Terra e do Ambiente (Doutoramento) | Universidade do Algarve Faculdade de Ciências e Tecnologia, Portugal |
| 2010/11 - 2010/11 | Course of initiation to "R" - A Beginner Guide to R | A Beginner Guide to R (Outros)                         | Universidade de Évora, Portugal                                      |

**Entrevista / Programa (rádio / tv)**

|                 | Programa           | Tema               |
|-----------------|--------------------|--------------------|
| 2017/10 - Atual | Portugal em Direto | Emoções nos peixes |

**Membro de comissão**

|                 | Descrição da atividade<br>Tipo de participação   | Instituição / Organização              |
|-----------------|--|--|
| 2019/01 - Atual | Guest Editor of the Special Issue on Metabolomic Applications in Aquaculture in the open access journal Metabolites (ISSN 2218-1989) | Academic Open Access Publishing, Suíça |
|                 | Membro   |  |

**Outro júri / avaliação**

|                         | Descrição da atividade                       | Instituição / Organização                              |
|-------------------------|--|--|
| 2019/02/11 - 2019/02/22 | Júri para contratação de pessoal não docente | Universidade do Algarve - Campus de Gambelas, Portugal |
| 2018/05/02 - 2018/05/15 | Júri para contratação de pessoal não docente | Universidade do Algarve - Campus de Gambelas, Portugal |

**Distinções****Outra distinção**

|      |   |
|------|---|
| 2019 | Grant Erasmus Mais<br>Universidade do Algarve, Portugal |
| 2014 | Aquaexcell Grant  |
| 2014 | Grant EAS2014<br>COPEWELL, Noruega                      |

2012

Grant COPEWELL  
COPEWELL, Noruega

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