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## CURRICULUM VITAE OF HELENA PERES

### 1. SYNOPSIS

Helena Peres is a Research Nutritionist for the Center of Marine and Environmental Research (CIIMAR), at the University of Porto, Portugal, since 2003, and an Invited Associated Professor at the Sciences Faculty, at the University of Porto. Since 2010, she has been invited to collaborate with the post-graduation course, as an Invited Professor at UNESP- Faculty of Veterinary Medicine and Animal Science, São Paulo State University, AquaNutri, Botucatu, SP, Brazil. She is a member of the evaluation panel of projects submitted to QREN (Quadro de Referência Estratégico Nacional), Portugal and to INCT Program (National Institutes of Science and Technology) by CNPq (National Council of Technological and Scientific Development), Brazil. During her professional career she has been involved in both research, with a strong connection with national and international industry, and post-graduation teaching. Her domain of specialization is fish nutrition; the current research interests is nutrition of marine fish of interest for aquaculture, and the main research topics are nutrients requirements, with particular interest to amino acids and protein; nitrogen and energy metabolism; nutritional strategies for reducing environmental impact of aquaculture; nutritional strategies to modulate wellbeing and stress and infection resistance in fish. She published 63 full paper in international peer review journals and 3 book chapters (*Scopus h-Index of 19*). She has been supervised or co-supervised of 26 graduate students; 28 Ms thesis students; 12 PhD students; and 1 post doc student.

### 2. PERSONAL DATA

**Name:** Maria Helena Tabuaço Rêgo Martins Peres

**Gender:** Female; **Date of Birth:** 18-07-1970

**Civil state:** married, two children; **Nationality:** Portuguese

**Work address:** CIIMAR - Interdisciplinary Centre of Marine and Environmental Research, University of Porto; Terminal de Cruzeiros do Porto de Leixões, Avenida General Norton de Matos, S/N, 4450-208 Matosinhos, Portugal

**Phone:** +351 226 180 160; **Cell phone:** +351 919 888 911;

**e-mail:** pereshelena@fc.up.pt; pereshelena@hotmail.com

### 3. ACADEMIC DEGREES

**PhD:** Animal Nutrition, University of Porto, 2000.

**MSc:** Animal Nutrition, University of Porto

**Degree:** Aquatic Environmental Sciences; University of Porto

### 4. CURRENT STATUS

**Researcher at CIIMAR** (from 2003 to present)

**Invited Auxiliary Professor** at the Faculty of Sciences, University of Porto (from 2010 to present)

**Director of the Fish Nutrition Laboratory** at NUTRIMU group at CIIMAR (from 2010 to present)

**Senior scientist aboard** at Faculty of Faculty of Veterinary Medicine and Husbandry, UNESP, Botucatu, Brazil (from 2011 to present)

**Director of the Laboratory Animal Sciences – Aquatic Species Course (CAL-AQUA)** at CIIMAR (since 2016 to present)

### 5. PRESENT AREA OF RESEARCH INTEREST

#### Domain of specialization

Aquaculture; Fish Nutrition; Amino acid nutrition; Alternative ingredients.

Certificated as coordinated-researcher (according to FELASA category C recommendations).

### 6. EXPERIENCE AS SCIENTIFIC ADVISER

**Peer Referee of Scientific Journals:** Regular referee of Aquaculture, Aquacult Nutr World Aquaculture Society, Fish Physiol Biochem Journal of Applied Ichthyology, Aquaculture Research, Journal of Food Biochemistry and Journal of Animal Science. Total number of reviews: 122.

**Member of the Evaluation Panel of Research and Development project:** Member of the evaluation panel of research and development projects of QREN (Quadro de Referência Estratégico Nacional); and of INCT

Program (acronym for National Institutes of Science and Technology, CNPQ "National Counsel of Technological and Scientific Development", Brazil

#### Supervision or Co-supervision of students:

Post doc: 2

PhD theses: 14

Ms theses: 25

Graduation theses: 26

Scientific initiation grants: 4

#### Supervision of Graduation Theses:

1. **Sara Isabel Pinto M. Santos**, Curso de Biologia, Faculdade de Ciências, Universidade Porto (2006/07). **Tema:** Efeito do jejum e subsequente realimentação em robalo e dourada
2. **Pedro Miguel Moreira Araújo**, Curso de Biologia, Faculdade de Ciências, Universidade Porto (2007/2008). **Tema:** Utilização de hidratos de carbono de diferente complexidade em Dourada
3. **Carla Olim**; Curso de Biologia, Faculdade de Ciências, Universidade Porto (2008/2009). **Tema:** Influência da temperatura e da razão proteína/lípidos da dieta, no crescimento e utilização do alimento em linguados juvenis (*Solea senegalensis*, Kaup 1858)
4. **Ana Fátima G. Teixeira de Amorim**; Curso de Biologia, Faculdade de Ciências, Universidade Porto (2008/2009). **Tema:** Efeito do chá branco e da metionina no crescimento e sobrevivência de juvenis de dourada *Sparus aurata*.
5. **Pedro Daniel Vieira Costa**; Curso de Biologia, Faculdade de Ciências, Universidade Porto (2008/09). **Tema:** Influência de cereais de diferente origem botânica, no crescimento e composição corporal de *Sparus aurata* (dourada) e *Dicentrarchus labrax* (robalo)
6. **Filipe Fernandes Coutinho**; Curso de Biologia, Faculdade de Ciências, Universidade de Aveiro (2008/2009). **Tema:** Effect of dietary replacement of fishmeal y plant protein feedstuffs in seabass and white seabass (*Diplodus sargus*)
7. **Marisa Sofia Sousa Oliveira**; Curso de Biologia, Faculdade de Ciências, Universidade Porto (2009/2010). **Tema:** Efeito da temperatura e do balanço proteína: energia das dietas na performance de juvenis de linguado senegalês (*Solea senegalensis*)
8. **Cláudia Costa**; Curso de Biologia, Faculdade de Ciências, Universidade Porto (2009/2010). **Tema:** Utilização de dietas com diferentes níveis de proteína e lípidos em juvenis de sargo-bicudo (*Diplodus puntazzo*)
9. **Joana Gil**; Estudante de Biologia, Faculdade de Ciências, Universidade Porto (2009/2010). **Tema:** Efeito da substituição da farinha de peixe por matérias-primas vegetais em dietas para sargo legítimo (*Diplodus sargus*)
10. **Oliveira Moreira Azevedo**; Curso de Biologia, Faculdade de Ciências, Universidade Porto (2010/2011). **Tema:** Efeito da incorporação de níveis crescentes de saponinas e de fito-esteróis em juvenis de robalo (*Dicentrarchus labrax*).
11. **Inês Campos**; Curso de Biologia, Faculdade de Ciências, Universidade Porto (2010/2011). **Tema:** Otimização do procedimento analítico para quantificação do amido em dietas e matérias-primas.
12. **David Keating Mota**; Curso de Biologia, Faculdade de Ciências, Universidade Porto (2010/2011). **Tema:** Estudo da eficácia do filtro biológico em contexto da Aquacultura.
13. **Guilherme Sassi**; Curso de Faculdade de Medicina Veterinária e Zootecnia (2012), Botucatu, Universidade Estadual Paulista "Júlio Mesquita Filho", UNESP, Brasil. **Tema:** Estágio "Estudos de nutrição de juvenis de linguado"
14. **Sara Coutinho**; Curso de Biologia, Faculdade de Ciências, Universidade Porto (2013). **Tema:** Ensaio de digestibilidade e crescimento com corvina e robalo alimentados com DDGS.
15. **Erika Sayuri Kanashiro**; Curso de Biologia, Faculdade de Ciências, Universidade Porto (2013/2014). **Tema:** Otimização de uma dieta prática para robalo europeu (*Dicentrarchus labrax*)
16. **Murilo Duarte**; Curso de Biologia, Faculdade de Ciências, Universidade Porto (2013). **Tema:** Estudos de nutrição de peixes marinhos.
17. **Rita Cunha Pedrosa**; Curso de Biologia, Faculdade de Ciências, Universidade Porto (2013/2014). **Tema:** Effects of Dietary Tryptophan supplementation on meagre (*Argyrosomus regius*) performance
18. **Ana Catarina Teixeira**; Curso de Ciências do Meio Aquático, Universidade do Porto (2014/2015). **Tema:** Potencial de utilização de exoenzimas na utilização digestiva de dietas para rodvalho.
19. **Marta Ribeiro Carvalho**; Curso de Ciências do Meio Aquático, Universidade do Porto (2014/2015). **Tema:** Potencial de utilização de exoenzimas na performance de peixes marinho de aquacultura.
20. **Nicole Martins Pires**; Curso de Biologia, Faculdade de Ciências, Universidade Porto (2014/2015). **Tema:** Suplementação de dietas à base de vegetais com taurina: efeitos na performance e bem-estar do sargo legítimo (*Diplodus sargus*)
21. **Tiago Alberto da Santa Lopes**; Curso de Biologia, Faculdade de Ciências, Universidade Porto (2014/2015). **Tema:** Amino ácidos funcionais na alimentação do do sargo legítimo (*Diplodus sargus*)
22. **Sara Raquel Ferreira Alves Martins**; Curso de Biologia, Faculdade de Ciências, Universidade Porto (2014/2015). **Tema:** Efeito da suplementação das dietas com exoenzimas na alimentação do sargo legítimo (*Diplodus sargus*)

23. **Rita Castro**; aluna do curso de Ciências do Meio Aquático Biologia, Instituto de Ciências Biomédicas Abel Salazar (ICBAS), Universidade Porto (2015/2016). **Tema:** Potential use of “processed animal proteins” for *Sparus aurata*: Effect on Growth, on Growth, Digestibility and Microbiota
24. **Rita Granja e Silva Matos**, degree student of Biology, Faculdade de Ciências, Universidade Porto (2016/2017). **Tema:** Nutritive value of dried distillers grains with solubles (DDGS) after solid state fermentation with *Aspergillus ibericus* for European seabass (*Dicentrarchus labrax*).
25. **Cláudia Alexandra da Mota** Teixeira, degree student of Biology, Faculdade de Ciências, Universidade Porto (2016/2017). **Tema:** Supplementation with tryptophan of Corn Distillers Dried Grains with Solubles (DDGS) diets for seabream (*Sparus aurata*) juveniles kept under stressed and unstressed culture conditions.
26. **Ana Amaral** degree student of Environmental Sciences and Technology, Faculdade de Ciências, Universidade Porto (2016/2017). **Tema:** Integrated multi-trophic approach to promote environmental sustainability of aquaculture.

### Supervision of Master Thesis:

#### 1. Gonçalo Marinho

Master Degree: Mestrado em Recursos Biológicos Aquáticos

Faculty/University: Faculdade de Ciências da Universidade do Porto

Thesis title: Effects of feeding strategies on growth and feed utilization in Senegalese sole (*Solea senegalensis*) juveniles

Supervisor: António Paulo Carvalho (CIIMAR)

Co-supervisor: Helena Peres (CIIMAR)

Date: 2008-2010

#### 2. Inês Sofia Afonso Cardoso

Master Degree: Mestrado em Recursos Biológicos Aquáticos

Faculty/University: Faculdade de Ciências da Universidade do Porto

Thesis title: Potential of alternative protein sources to fishmeal in white seabass (*Diplodus sargus*)

Supervisor: Aires Oliva-Teles (FCUP)

Co-supervisor: Helena Peres (CIIMAR)

Date: (2008-2010)

#### 3. Carolina Castro

Master Degree: Mestrado em Recursos Biológicos Aquáticos(2009-2011)

Faculty/University: Faculdade de Ciências da Universidade do Porto

Thesis title: Reduction of the protein level in diets for Senegalese sole (*Solea senegalensis*).

(coorientação com Aires Oliva-Teles; aprovada com 20 valores)

Supervisor: Aires Oliva-Teles (FCUP)

Co-supervisor: Helena Peres (CIIMAR)

Date: (2010-2011)

#### 4. Carla Olim

Master Degree: Mestrado em Recursos Biológicos Aquáticos

Faculty/University: Faculdade de Ciências da Universidade do Porto

Thesis title: Coeficiente de digestibilidade aparente de Apparent digestibility coefficients of practical feed ingredients by meager (*Argyrosomus regius*)

Supervisor: Aires Oliva-Teles (FCUP)

Co-supervisor: Helena Peres (CIIMAR)

Date: 2011-2012

#### 5. Filipe Coutinho

Master Degree: Mestrado em Recursos Biológicos Aquáticos(2010-2012)

Faculty/University: Faculdade de Ciências da Universidade do Porto

Thesis title: Dietary protein requirement and intermediary metabolism response to protein/carbohydrate ratio in zebra seabream (*Diplodus cervinus*, Lowe 1838) juveniles

Supervisor: Aires Oliva-Teles (FCUP)

Co-supervisor: Helena Peres (CIIMAR)

Date: 2011-2012

#### 6. Rui Magalhães

Master Degree: Mestrado em Recursos Biológicos Aquáticos

Faculty/University: Faculdade de Ciências da Universidade do Porto

Thesis title: Potential utilization of distiller’s dried grains with solubles in diets of meager (*Argyrosomus regius*)

Supervisor: Aires Oliva-Teles (FCUP)

Co-supervisor: Helena Peres (CIIMAR)

Date: (2012-2013)

#### 7. Sara Santos

Master Degree: Mestrado em Recursos Biológicos Aquáticos

Faculty/University: Faculdade de Ciências da Universidade do Porto

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Thesis title: Re-evaluation of essential amino acids in fish by a meta-analytical approach.

Supervisor: Aires Oliva-Teles (FCUP)

Co-supervisor: Helena Peres (CIIMAR)

Date: 2011-2013

#### **8. Inês Cabral**

Master Degree: Mestrado em Recursos Biológicos Aquáticos

Faculty/University: Faculdade de Ciências da Universidade do Porto

(2013-2014)

Thesis title: Estudo da densidade ótimas de cultivo de juvenis de linguado (*Solea senegalensis*).

Supervisor: Helena Peres (CIIMAR)

Date: 2013-2014

#### **9. Helena Fernandes**

Master Degree: Mestrado em Recursos Biológicos Aquáticos

Faculty/University: Faculdade de Ciências da Universidade do Porto

Thesis title: Evaluation of protein requirements for juvenile growth and effect of dietary protein levels on post-juvenile growth and reproduction of zebrafish (*Danio rerio*)

Supervisor: António Paulo Carvalho (FCUP)

Co-supervisor: Helena Peres (CIIMAR)

Date: 2013-2014

#### **10. Mafalda Diogo**

Master Degree: Mestrado em Recursos Biológicos Aquáticos

Faculty/University: Faculdade de Ciências da Universidade do Porto

Thesis title: Estudo da eficácia da suplementação com ácidos gordos essenciais em larvas de linguado (*Solea senegalensis*).

Supervisor: Helena Peres (CIIMAR)

Date: 2013-2014

#### **11. Sara Moutinho**

Master Degree: Mestrado em Recursos Biológicos Aquáticos

Faculty/University: Faculdade de Ciências da Universidade do Porto in collaboration with

Thesis title: Alternative Animal By-Products in *Sparus aurata*

Supervisor: Helena Peres (CIIMAR)

Co-supervisor: Martinez-Llorens, Institute of Animal Science and Technology, Polytechnic University of Valencia, Spain

Date: (2014-2015)

#### **12. Rafael Almeida**

Master Degree: Mestrado em Recursos Biológicos Aquáticos

Faculty/University: Faculdade de Ciências da Universidade do Porto in collaboration with Faculdade de Zootecnia e Veterinária, UNESPE, Botucatu, Brasil

Thesis title: Effect of Corn Destiller's Dried Grains with Solubles based diets on bacterial challenged Nile Tilapia (*Oreochromis niloticus*)

Supervisor: Helena Peres (CIIMAR)

Co-supervisor: Margarita M. Barros, Faculdade de Zootecnia e Veterinária, UNESPE, Botucatu, Brasil

Date: 2014-2015

#### **13. Marta Pinto**

Master Degree: Mestrado em Recursos Biológicos Aquáticos

Faculty/University: Faculdade de Ciências da Universidade do Porto

(2014-2015)

Thesis title: Validation of feeding tables for sole bloodstock and its influence on reproductive performance (*Solea senegalensis*).

Supervisor:

Helena Peres (CIIMAR)

Date: 2014-2015

#### **14. Joana Cláudia Morais da Silva Mendes**

Master Degree: Mestrado em Recursos Biológicos Aquáticos

Faculty/University: Faculdade de Ciências da Universidade do Porto

(2014-2015)

Thesis title: Influence of different types of co-feeding of sole larvae (*Solea senegalensis*)

Supervisor: Helena Peres (CIIMAR)

Date: 2014-2015

#### **15. Antonio Sánchez López**

Master Degree: Mestrado em Recursos Biológicos Aquáticos

Faculty/University: Universitat Politècnica de Valencia, Spain in collaboration with Faculdade de Ciências do Porto

Thesis title: Potential of pre-pupae meal of the Black Soldier Fly (*Hermetia illucens*) as fish meal substitute: effect on growth performance and digestibility in European sea bass (*Dicentrarchus labrax*)

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Supervisor: Aires Oliva-Teles (FCUP)  
Co-supervisor: Helena Peres (CIIMAR)  
Date: 2014-2015

**16. Pedro Miguel Azevedo Reis Moreira Campos**

Master Degree: Mestrado em Recursos Biológicos Aquáticos  
Faculty/University: Faculdade de Ciências da Universidade do Porto in collaboration with Sorgal, S.A.  
Thesis title: Use of animal by products in marine fish aquaculture species  
Supervisor: Helena Peres (CIIMAR)  
Co-supervisor: Tiago Aires, Sorgal, SA  
Date: 2015-2016

**17. Ana Filipe Basto**

Master Degree: Mestrado em Recursos Biológicos Aquáticos  
Faculty/University: Faculdade de Ciências da Universidade do Porto in collaboration with Dipartimento di Scienze Zootecniche – University of Florence, Italy  
Thesis title: Use of diets containing innovative protein sources and product features in fish species for European aquaculture.  
Supervisor: Helena Peres (CIIMAR)  
Co-supervisor: Giuliana Parisi, Dipartimento di Scienze Zootecniche – University of Florence, Italy  
Date: 2015-2016

**18. Rita Pedrosa**

Master Degree: Mestrado em Recursos Biológicos Aquáticos  
Faculty/University: Faculdade de Ciências da Universidade do Porto in collaboration with Dipartimento di Scienze Zootecniche – University of Florence, Italy  
Thesis title: Effect of dietary replacement of fish meal by insect meal in diets of *European seabass*  
Supervisor: Helena Peres (CIIMAR)  
Co-supervisor: Giuliana Parisi, Dipartimento di Scienze Zootecniche – University of Florence, Italy  
Date: 2015-2016

**19. Mário Gil Capela Dias**

Master Degree: Mestrado em Recursos Biológicos Aquáticos  
Faculty/University: Faculdade de Ciências da Universidade do Porto in collaboration with Department of Biological Engineering, University of Minho  
Thesis title: Use of organic residues from corn processing for solid state fermentation (SSF) for the feeding of marine fish  
Supervisor: Helena Peres (CIIMAR)  
Co-supervisor: Isabel Bello, Department of Biological Engineering, University of Minho  
Date: 2015-2016

**20. Kátia Rodrigues**

Master Degree: Mestrado em Recursos Biológicos Aquáticos  
Faculty/University: Faculdade de Zootecnia e Engenharia de Alimentos (FZEA-USP), Pirassununga, Brasil  
Thesis title: Atividade das enzimas digestivas intestinais de juvenis de *Piaractus mesopotamicus* alimentados com diferentes níveis de DDGS  
Supervisor: Elisabete Macedo (FZEA-USP)  
Co-supervisor: Helena Peres (CIIMAR)  
Date: 2015-2016

**21. Marta Ribeiro Carvalho**

Master Degree: Mestrado em Recursos Biológicos Aquáticos  
Faculty/University: Faculdade de Ciências da Universidade do Porto  
Thesis title: Essential fatty acid requirements in early weaning diets for meagre larvae  
Supervisor: Helena Peres (CIIMAR)  
Co-supervisor: Marisol Izquierdo (Universidad de Las Palmas de Gran Canaria)  
Date: 2016-2017

**22. Ricardo Manuel Pereira Pires**

Master Degree: Mestrado em Recursos Biológicos Aquáticos  
Faculty/University: Faculdade de Ciências da Universidade do Porto  
Thesis title: Physiological effects of three different anesthetics- MS-222, 2-PE and Clove oil on *Dicentrarchus labrax* juveniles  
Supervisor: Helena Peres (CIIMAR)  
Date: 2016-2017

**23. Nicole Martins Pires**

Master Degree: Mestrado em Recursos Biológicos Aquáticos  
Faculty/University: Faculdade de Ciências da Universidade do Porto  
Thesis title: Dietary Taurine requirement of European sea bass (*Dicentrarchus labrax*) juveniles.  
Supervisor: Helena Peres (CIIMAR)

Co-supervisor: Aires Oliva-Teles (FCUP)

Date: 2016-2017

**24. Sara Raquel Ferreira Alves Martins**

Master Degree: Mestrado em Recursos Biológicos Aquáticos

Faculty/University: Faculdade de Ciências da Universidade do Porto

Thesis title: Produção de Robalo (*Dicentrarchus labrax*), Ostra (*Crassostrea gigas*), Ulva sp. e Salicornia sp. em Aquacultura Multitrófica Integrada – IMTA

Supervisor: Helena Peres (CIIMAR)

Co-supervisor: Rui Magalhães (FCUP)

Date: 2016-2017

**25. Daniel Filipe Garrido Gavina**

Master Degree: Mestrado em Recursos Biológicos Aquáticos

Faculty/University: Faculdade de Ciências da Universidade do Porto

Thesis title: Estágio na Safiestela

Supervisor: Helena Peres (CIIMAR)

Date: 2016-2017

## Supervision of PhD Thesis

### Completed PhD thesis (4 in total)

**1. Name: María Isaura Bañuelos Vargas**

Thesis title: Estudio del metabolismo de juveniles de Totoaba macdonaldi en relación a la inclusión de proteína vegetal y almidón en dietas suplementadas con taurina y su relación con el “síndrome de hígado verde.

Faculty/University: Universidad Autónoma de Baja California, Facultad de Ciencias Marinas, Ensenada, Baja California and FCUP – Faculdade de Ciências da Universidade do Porto

Supervisor: Lus Lopez (UABC)

Co-supervisor: Helena Peres (CIIMAR)

Date: 7 February 2014

**2. Name: Renan de Mattos Botelho**

Thesis title: Potential of Dried Distillers Grains with Solubles DDGS in Nile tilapia, *Oreochromis niloticus* (Grãos secos de destilaria com solúveis em dietas para tilápia do Nilo, *Oreochromis niloticus*)

Doctoral Programme/Doctoral Degree: Post-graduate Program in Animal Science, Faculty of Veterinary Medicine and Animal Science, UNESP

Faculty/University: UNESP - Universidade Estadual Paulista, Faculdade de Medicina Veterinária e Zootecnia, AquaNutri, Botucatu, SP, Brazil and FCUP – Faculdade de Ciências da Universidade do Porto

Supervisor: Luiz Edivaldo Pezzato (UNESP)

Co-supervisor: Helena Peres (CIIMAR)

Date: December 2015

**3. Name: Jakeline Marcela Azambuja de Freitas**

Thesis title: Performance and hematological responses of Nile tilapia submitted to different levels of protein and stress conditions (Desempenho produtivo e respostas hematológicas da tilápia-do-Nilo submetida a diferentes níveis de proteína e condições de estresse)

Doctoral Programme/Doctoral Degree: Post-graduate Program in Animal Science, Faculty of Veterinary Medicine and Animal Science, UNESP

Faculty/University: UNESP - Universidade Estadual Paulista, Faculdade de Medicina Veterinária e Zootecnia, AquaNutri, Botucatu, SP, Brazil and FCUP – Faculdade de Ciências da Universidade do Porto

Supervisor: Margarida M. Barros (UNESP)

Co-supervisor: Helena Peres (CIIMAR)

Date: December 2015

**4. Name: Filipe Fernandes Coutinho**

Thesis title: Potential benefits and functional properties of glutamine in fish nutrition (SFRH/BD/86799/2012; 2013-2016)

Doctoral Programme/Doctoral Degree: Biologia, Faculdade de Ciências do Porto

Faculty/University: FCUP – Faculdade de Ciências da Universidade do Porto

Supervisor: Aires Oliva Teles (FCUP)

Co-supervisor(s): Helena Peres (CIIMAR) and S. Kaushik, INRA, França

Date: 2014-2017

**PhD student (Brazilian Sandwich programme) finished (3 in total)**

**1. Name: Renato Adriano dos Santos,**

Thesis title: Lipoic acid effect on carbohydrate utilization capacity in juvenile bream (Efeito do ácido lipóico na capacidade de utilização de carboidratos em juvenis de sargo)

Doctoral Programme/Doctoral Degree: Post-graduate program in Physiological Sciences - Comparative Animal Physiology, Federal University of Rio Grande (sandwich PhD) Faculty/University: FURG-Universidade Federal do Rio Grande Brazil and FCUP – Faculdade de Ciências da Universidade do Porto

Supervisor (Brazil): José Maria Monserrat (FURG)

Supervisor (Portugal): Aires Oliva Teles (FCUP) and Helena Peres (CIIMAR)

Date: September 2015

**2. Name: Renato Silva Leal**

Thesis title: Supplementation of taurine and methionine in low fishmeal based diets for gilthead seabream juveniles

Doctoral Programme/Doctoral Degree: Programa de Pós-graduação em Ciências dos Alimentos, Lavras, Brasil

(sandwich PhD)

Faculty/University: UFLA\_ Universidade Federal de Lavras and FCUP–Faculdade de Ciências da Universidade do Porto

Supervisor (Brazil): Carlos José Pimenta (UFLA)

Supervisor (Portugal): Helena Peres (CIIMAR)

Date: 2014-2016

**3. Name: Renan Rosa Paulino**

Thesis title: Effect of linolenic acid reaction / linoleic acid in diets for tambaqui (*Colossoma macropomum*): Performance, lipid metabolism and oxidative (Efeito da relação ácido linolênico/ácido linoléico em dietas para tambaqui (*Colossoma macropomum*): Desempenho, metabolismo lipídico e oxidativo)

Doctoral Programme/Doctoral Degree: Bolseiro de doutoramento da Universidade Federal de Lavras (sandwich PhD)

Faculty/University: DZO/UFLA- Departamento De Zootecnia, Universidade Federal de Lavras, Brasil Paraná and FCUP–Faculdade de Ciências da Universidade do Porto

Supervisor (Brazil): Priscila Vieira Rosa

Supervisor (Portugal): Aires Oliva Teles (FCUP) and Helena Peres (CIIMAR)

Date: 2015-2016

**PhD students in progress (3 in total)**

**1. Name: Alexandre Diógenes Firmino**

Thesis title: Potential of the new generation of distillers by-products (High Protein DDGS) in diets for turbot (*Scophthalmus maximus* L.): impact on zootechnical performance, nutritional status, oxidative, immune and intestinal health.

Doctoral Programme/Doctoral Degree: Biologia, Faculdade de Ciências do Porto

Faculty/University: FCUP – Faculdade de Ciências da Universidade do Porto

Supervisor: Helena Peres (CIIMAR)

Co-supervisor(s): Aires Oliva Teles (FCUP)

Date: 2015-2018

**2. Name: Rui Pedro Moreira de Magalhães**

Thesis title: Effect of fatty acid source (n-6 vs. n-3) on the eicosanoid cascade and intestine inflammation in gilthead sea bream (*Sparus aurata*)”.

Doctoral Programme/Doctoral Degree: Biologia, Faculdade de Ciências do Porto

Faculty/University: FCUP – Faculdade de Ciências da Universidade do Porto

Supervisor: Aires Oliva Teles (FCUP)

Co-supervisor(s): Helena Peres (CIIMAR)

Date: 2017-2021

**3. Name: Helena Fernandes**

Thesis title: Development of sustainable protein and omega-3 rich feedstuffs for aquafeeds.

Doctoral Programme/Doctoral Degree: Biologia, Faculdade de Ciências do Porto

Faculty/University: FCUP – Faculdade de Ciências da Universidade do Porto

Supervisor: Helena Peres (CIIMAR)  
 Co-supervisor(s): Aires Oliva Teles (FCUP); Isabel Belo (Universidade do Minho)  
 Date: 2017-2021

#### PhD student (Brazilian Sandwich programme) in progress (4 in total)

##### 1. Name: Lorena Batista de Moura

Thesis title: L-Tryptophan as tool to mitigate stressful conditions in Senegalese sole (*Solea senegalensis*)  
 Doctoral Programme/Doctoral Degree: Department of Animal Science, State University of Maringá (UEM), Paraná, Brazil (sandwich PhD)  
 Faculty/University: UEM-Department of Animal Science, State University of Maringá, Paraná and FCUP– Faculdade de Ciências da Universidade do Porto  
 Supervisor (Brazil): Wilson Furuya (UEM)  
 Supervisor (Portugal): Helena Peres (CIIMAR) and Aires Oliva-Teles (FCUP)  
 Date: 2015-2017

##### 2. Name: Tamira Maria Orlando

Thesis title: Supplementation of taurine in low fish oil based diets for marine fish.  
 Doctoral Programme/Doctoral Degree: Biologia, Faculdade de Ciências do Porto  
 Faculty/University: UFLA-Universidade Federal de Lavras, Brasil and FCUP – Faculdade de Ciências da Universidade do Porto  
 Supervisor: Helena Peres (CIIMAR)  
 Co-supervisor(s): Aires Oliva Teles (FCUP)  
 Date: 2017-2018

##### 3. Name: Nathalia Siqueira Flor

Thesis title: Productive performance and quality of tambaqui (*Colossoma macropomum*) fed with “tucumã” byproduct (*Astrocarium aculeatum* G.Mey).  
 Doctoral Programme/Doctoral Degree: Biologia, Faculdade de Ciências do Porto  
 Faculty/University: University of Nilton Lins, Brasil and FCUP – Faculdade de Ciências da Universidade do Porto  
 Supervisor: Helena Peres (CIIMAR)  
 Co-supervisor(s): Ana Couto (CIIMAR)  
 Date: 2017-2018

##### 4. Name: Renata Maria da Silva

Thesis title: Effects of soybean meal on zootechnical performance and digestive physiology of Arapaima pirarucu juveniles (Schinz, 1822) under culture conditions under experimental conditions and net cages  
 Doctoral Programme/Doctoral Degree: Biologia, Faculdade de Ciências do Porto  
 Faculty/University: University of Nilton Lins, Brasil and FCUP – Faculdade de Ciências da Universidade do Porto  
 Supervisor: Helena Peres (CIIMAR)  
 Date: 2017-2018

#### Supervision of Post-Doctoral Scholarship:

##### Amalia Pérez-Jiménez

Subject: Optimization of dietary lysine utilization for maximum protein accretion in Senegalese sole (*Solea senegalensis*) using plant protein diets (2010-2013)  
 (postdoctoral fellowship FCT: SFRH/BPD/64684/2009)

##### Amália Pérez-Jiménez

Subject: “Use of L-tryptophan as a potential enhancer of melatonin synthesis and promoter of European sea bass welfare”. (2013-2015)  
 (postdoctoral fellowship FCT: SFRH/BPD/48689/2008)

#### Supervision of Research Integration Scholarship (BII)

- Rui Pedro Moreira de Magalhães**, student of the degree of Ciências do Meio Aquático, Instituto de Ciências Biomédicas Abel Salazar, Universidade do Porto (2009/2010)  
 Subject: Dietary protein requirement of white seabass (*Diplodus sargus*) juveniles; protein sparing effect of dietary lipids.
- Marisa Sofia Sousa Oliveira**; student of the degree of Biologia, Faculdade de Ciências, Universidade Porto (2009/2010)



Subject: Effect of temperature and balance protein: energy of diets on the performance of juveniles of Senegalese sole (*Solea senegalensis*)

3. **Adriana Rêgo**; student of the degree of Biologia, Faculdade de Ciências, Universidade Porto (2014/2015)  
Subject: Effect of exogenous enzymes on digestibility and function and integrity of intestine in turbot (*Scophthalmus maximus*)  
Grant: BLUE YOUNG TALENT – BYT; selected to the financed by the industry Sorgal S.S., Ovar, Portugal
4. **Rita Castro**; student of the degree of Ciências do Meio Aquático Biologia, Instituto de Ciências Biomédicas Abel Salazar (ICBAS), Universidade Porto (2015/2016)  
Subject: Potential use of “processed animal proteins” for *Sparus aurata*: Effect on Growth, on Growth, Digestibility and Microbiota  
Grant: BLUE YOUNG TALENT – BYT; selected to the financed by the industry Sorgal S.S., Ovar, Portugal

## 7. PARTICIPATION IN RESEARCH AND DEVELOPMENT PROJECTS

### Estudos de nutrição de juvenis e de larvas de robalo (*Dicentrarchus labrax*) e dourada (*Sparus aurata*). Estratégias para a redução do impacto ambiental

Financial support: FCT PRAXIS XXI 3/3.2/AQ 2009/95  
Participant institutions: FCUP, ICBAS, IPIMAR, UAlgarve  
Coordinator: Aires Oliva-Teles  
Participation: Researcher  
Budget: 62.499 € (FCUP)  
Date: 1998-2001

### Nutrição de larvas e juvenis de Sargo (*Diplodus sargus*)

Financial support: FCT: POCTI-42426-CVT-2001  
Participant institutions: FCUP, ICBAS, IPIMAR, IMAR  
Coordination: Aires Oliva Teles  
Participation: Researcher  
Budget: 100.000 € (FCUP: 30.686€)  
Date: 2003-2006

### OPTISOLE – Investigação e desenvolvimento na produção de juvenis de linguado: incremento da resistência a patologias e do crescimento

Financial support: Sistema de Incentivos à I&DT - FEDER - Quadro de Referência Estratégico Nacional 2007-2013  
Participant institutions: FCUP, ICBAS, CIIMAR, ACC, SPARUS  
Coordinator: Manuela Cunha (ACC)  
Participation: Researcher  
Budget: 501.203 €  
Date: 2010-2011

### Efecto de la suplementación dietaria con polifenoles en el estrés oxidativo de los peces teleósteos: influencia en el comportamiento alimentario y el bienestar

Financial support: Fundación Séneca (08767/PI/08), Agencia Regional de Ciencia y Tecnología de la Región de Murcia  
Participant institutions: CIIMAR, Murcia, Espanha  
Coordinator: Salvador Zamora Navarro  
Participation: Researcher  
Budget: 49 616,00 euros.  
Date: 2009-2011

### Valorização do excedente de levedura da indústria cervejeira – potencial de utilização em dietas para os juvenis de linguado (*Solea senegalensis*)

Financial support: IJUP - Projectos Pluridisciplinares UP em parceria com empresas - UNICER, Concurso 2010  
Participant institutions: FCUP, CIIMAR, IBMC  
Coordinator: Aires Oliva Teles  
Participation: Researcher  
Budget: 5.000€  
Date: 2010-2011

### Digestibility trial with sea bass

Financial support: Nutri-AD International NV, Bélgica  
Corodinator: Aires Oliva Teles  
Instituições participantes: FCUP  
Participation: Researcher

Budget: 6.000€  
Date: 2012

**Determinação do Perfil Ótimo em Aminoácidos para o Máximo Desempenho e Retenção Proteica do Tambaqui (*Colossoma macropomum*)**

Financial support: Conselho Nacional de Desenvolvimento Científico e Tecnológico CNPq, Brasil  
Coordinator for portuguese part: Helena Peres  
Instituições participantes: CIIMAR, Universidade de Federal de Goiás; Brasil  
Participation: Researcher  
Budget: 10 000€  
Date: 2012-2015

**Ractopamina em dietas para o tambaqui (*Colossoma macropomum*)”** Financial support: Conselho Nacional de Desenvolvimento Científico e Tecnológico CNPq, Brasil

Coordinator for portuguese part: Helena Peres  
Instituições participantes: CIIMAR, Universidade de Federal de Goiás; Brasil  
Participation: Researcher  
Budget: 10 000€  
Date: 2012-2015

**L-tryptophan as tool to mitigate stressful conditions in meagre (*Argyrosomus regius*)**

Financial support: IJUP- Projetos Pluridisciplinares UP em parceria com empresas - SOJA DE PORTUGAL  
Participant institutions: FCUP, CIIMAR  
Participation: Researcher  
Budget: 4.000€  
Date: 2013-14

**Carob seed germ meal as a partial fish meal substitute in diets for meagre (*Argyrosomus regius*): growth, digestibility and health status**

Financial support: IJUP- Projetos Pluridisciplinares UP em parceria com empresas - SOJA DE PORTUGAL  
Participant institutions: FCUP, CIIMAR  
Participation: Researcher  
Budget: 4.000€  
Date: 2013-14

**Essential oils in turbot feed (*Scophthalmus maximus*).**

Financial support: Empresa de alimentos compostos - SOJA DE PORTUGAL (private company)  
Participant institutions: CIIMAR  
Coordination: Helena Peres  
Budget: 5.000€  
Date: 2013-14

**Projeto estratégico PEst-C/MAR/LA0015/2011**

Financial support: FCT  
Participant institutions: CIIMAR  
Coordination: Aires Oliva Teles  
Participation: Researcher  
Budget: 27.750€  
Date: 2013-2014

**AQUAIMPROV – Sustainable Aquaculture and Animal Welfare.**

Financial support: CCDR-ON.2: NORTE-07-0124-FEDER-000038-BPD-2013-07  
Participant institutions: CIIMAR  
Coordination: Aires Oliva Teles  
Participation: Researcher  
Budget: 1.060.055€ (CIIMAR)  
Date: 2013-15

**OMEGAFISH - Effect on lipid metabolism of vegetable lipid interaction with carbohydrate in an important marine aquaculture fish species, European sea bass (*Dicentrarchus labrax*)**

Financial support: FCT: PTDC/MAR-BIO/4107/2012.  
Participant institutions: CIIMAR, INRA (UMR NUAGE)  
Coordination: Aires Oliva Teles

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Participation: Principal research for CIIMAR  
 Budget: 146.856 €  
 Date: 2013-15

**VEGICOR-AMINOQUA - Projeto piloto para o aumento da produtividade e sustentabilidade do cultivo de peixes marinhos com recurso a ácidos aminados funcionais**

Financial support: Instituto de Financiamento da Agricultura e Pescas, I.P., programa PROMAR, (PROMAR: 31-03-05-FEP-43 – 209327)

Participant institutions: FCUP, CIIMAR

Coordination: Helena Peres

Budget: 144 853 €

Date: 2013-15

**DDGSSeabass: Potential of DDGS for seabass" (*Dicentrarchus labrax*)**

Financial support: Norsildmel, Norway and Nofina, Norway (private company)

Participant institutions: FCUP, CIIMAR

Coordination: Helena Peres

Budget: 24 600 €

Date: 2015

**From zebrafish to meagre: use of macro- and microalgae as functional feeds (ZEBRALGRE)**

Financial support: FCT - PTDC/CVT-WEL/5207/2014

Participant institutions: CIIMAR

Coordination: Patricia Diaz-Rosales

Participation: Research

Budget: 181.284€ (CIIMAR - 159.684€)

Date: 2016-18

**Effects of fatty acids (n-6 vs n-3) in the cascade of eicosanoids and intestinal inflammation gold (*Sparus aurata*) (EICOBREAM )**

Financial support: FCT - PTDC/MAR-BIO/1949/2014

Participant institutions: CIIMAR

Coordination: Aires Oliva Teles

Participation: Principal research for CIIMAR

Budget: 179.460€

Date: 2016-18

**Innovation and valorization of seafood products: meeting local challenges and opportunities (INSEAFOD)**

Financiamento: CCDR- NORTE2020 - NORTE-01-0145-FEDER-000035

Participant institutions: CIIMAR

Coordination: Luísa Valente

Coordination of work package IMTA: Helena Peres

Budget: 1424983,38 (CIIMAR)

NUTRIMU: 256056€

**NewFM: Evaluations of different types of fishmeal in European sea bass (*Dicentrarchus labrax*); Financial support:**

Norsildmel, Norway and Nofina, Norway (private company)

Participant institutions: FCUP, CIIMAR

Coordination: Helena Peres

Budget: 24 600 €

Date: 2016-2017

## 8. PUBLICATIONS

### Citations and H-index

#### Scopus

Author ID: 6603883999

Documents: 61

Citations: 1360 total citations by 893 documents

h-index: 19

Last Updated: 10/10/2017

### Google Scholar

<https://scholar.google.pt/citations?user=umNXsm4AAAAJ&hl=pt-PT>

Citations: 2044  
 h-index: 23  
 h10-index: 37  
 Last Updated: 10/10/2017

### Orcid

<http://orcid.org/0000-0002-2568-8361>

### Book Chapters

1. PERES, H., LIM, C., 2008. Use of soybean products in non-salmonids marine finfish. In: Lim, C.E., Webster, C.D., Lee, C.S. (Eds.), *Alternative Protein Sources in Aquaculture Diets*. Haworth Press, New York, pp. 281-312. ISBN-10: 1560221488 | ISBN-13: 978-1560221487
2. BROWN, P.B., KAUSHIK, S., PERES, H., 2008. Protein Feedstuffs Originating from Soybeans. In: Lim, C.E., Webster, C.D., Lee, C.S. (Eds.), *Alternative Protein Sources in Aquaculture Diets*. Haworth Press, New York, pp. 205-224. ISBN-10: 1560221488 | ISBN-13: 978-1560221487
3. OLIVA-TELES, A., ENES, P., PERES, H., 2015. Replacing fishmeal and fish oil in industrial aquafeed (i.e. replacing with plant protein) (chapter 8). In: Allen Davis (Ed.), *Feed and Feeding Practices in Aquaculture*. Woodhead Publishing Series in Food Science, Technology and Nutrition. Elsevier Science. ISBN-13: 978-0081005064 ISBN-10: 0081005067

### Publications in international peer review journals

1. PERES, H., GONÇALVES, P., OLIVA-TELES, A., 1999. Glucose tolerance in seabream (*Sparus aurata*) and in seabass (*Dicentrarchus labrax*). *Aquaculture* 179, 415-423. DOI: 10.1016/S0044-8486(99)00175 (SJR: Aquatic Science; Quartile: Q1)
2. PERES, H., GOUVEIA, A., 1998. Formulação de uma dieta de referência para o Robalo Europeu (*Dicentrarchus labrax*). *Revista de Zootecnia*, pp. 359-365. (ISSN 2182-4975) (SJR: Aquatic Science; Quartile: Q1)
3. PERES, H., OLIVA-TELES, A., 1999. Effect of dietary lipid level on growth performance and feed utilization by European seabass juveniles (*Dicentrarchus labrax*). *Aquaculture* 179, 325-334. DOI:10.1016/S0044-8486(99)00168-4 (SJR: Aquatic Science; Quartile: Q1)
4. PERES, H., OLIVA-TELES, A., 1999. Influence of temperature on protein utilization in European seabass juvenile (*Dicentrarchus labrax*). *Aquaculture* 170, 337-348. DOI:10.1016/S0044-8486(98)00422-0 (SJR: Aquatic Science; Quartile: Q1)
5. PERES, H., OLIVA-TELES, A., 2001. Effect of dietary protein and lipid level on metabolic utilization of diets by European sea bass (*Dicentrarchus labrax*) juveniles. *Fish Physiology and Biochemistry* 25, 269-275. DOI: 10.1023/A:1023239819048 (SJR: Aquatic Science; Quartile: Q1)
6. PERES, H., OLIVA-TELES, A., 2002. Utilization of raw and gelatinized starch by European sea bass (*Dicentrarchus labrax*) juveniles. *Aquaculture* 205, 287-299. DOI: 10.1016/S0044-8486(01)00682-2 (SJR: Aquatic Science; Quartile: Q1)
7. PERES, H., LIM, C., KLESIOUS, P.H., 2003. Nutritional value of heat-treated soybean meal for channel catfish (*Ictalurus punctatus*). *Aquaculture* 225, 67-82. DOI:10.1016/S0044-8486(03)00289-8 (SJR: Aquatic Science; Quartile: Q1)
8. PERES, H., OLIVA-TELES, A., 2003. The effect of dietary ribonucleic acid incorporation in performance of sea bass (*Dicentrarchus labrax*) juveniles. *Aquaculture*. 215, 245-253. DOI: PII S0044-8486(02)00130-8 (SJR: Aquatic Science; Quartile: Q1)
9. PERES, H., LIM, C., KLESIOUS, P.H., 2004. Growth, chemical composition and resistance to *Streptococcus iniae* challenge of Nile tilapia (*Oreochromis niloticus*) fed graded levels of dietary inositol. *Aquaculture*. 235, 423-432. DOI: 10.1016/j.aquaculture.2003.09.021 (SJR: Aquatic Science; Quartile: Q1)
10. PERES, H., OLIVA-TELES, A., 2005. The effect of dietary protein replacement by crystalline amino acid on growth and nitrogen utilization of turbot *Scophthalmus maximus* juveniles. *Aquaculture* 250, 755-764. DOI: 10.1016/j.aquaculture.2005.04.046 (SJR: Aquatic Science; Quartile: Q1)
11. EVANS J.J., PASNIK D.J., PERES H., LIM C., KLESIOUS P.H., 2004. Absence of histologic changes in channel catfish (*Ictalurus punctatus*) fed heat-treated and non-heat-treated soybean meal. *Aquaculture Nutrition* 11, 123-129. DOI: 10.1111/J.1365-2095.2004.003249.X (SJR: Aquatic Science; Quartile: Q1)
12. PERES, H., OLIVA-TELES, A., 2005. The protein and energy metabolism of European seabass (*Dicentrarchus labrax*) juveniles and estimation of maintenance requirements. *Fish Physiology and Biochemistry* 31, 23-31. DOI: 10.1007/s10695-005-4586-2 (SJR: Aquatic Science; Quartile: Q3)
13. PERES, H., OLIVA-TELES, A., 2006. Effect of the dietary essential to non-essential amino acid ratio on growth, feed utilization and nitrogen metabolism of European sea bass (*Dicentrarchus labrax*). *Aquaculture* 256, 395-402. DOI: 10.1016/j.aquaculture.2006.02.010 (SJR: Aquatic Science; Quartile: Q1)

14. PERES, H., OLIVA-TELES, A., 2007. Effect of the dietary essential amino acid pattern on growth, feed utilization and nitrogen metabolism of European sea bass (*Dicentrarchus labrax*). *Aquaculture* 267, 119-128. DOI: 10.1016/j.aquaculture.2007.01.010 (SJR: Aquatic Science; Quartile: Q1)
15. COUTO, A., ENES, P., PERES, H., OLIVA-TELES, A., 2008. Effect of water temperature and dietary carbohydrate level on growth performance and metabolic utilization of diets in gilthead sea bream (*Sparus aurata*) juveniles. *Comparative Biochemistry and Physiology, Part A*. 151, 45-50. DOI: 10.1016/j.cbpa.2008.05.013 (Zoology; Quartile: Q1)
16. PERES, H., OLIVA-TELES, A., 2008. Lysine requirement and efficiency of lysine utilization in Turbot (*Scophthalmus maximus*) juveniles. *Aquaculture* 275, 283-290. DOI:10.1016/j.aquaculture.2007.12.015 (SJR: Aquatic Science; Quartile: Q1)
17. MOREIRA, I.S., PERES, H., COUTO, A., ENES, P., OLIVA-TELES, A., 2008. Temperature and dietary carbohydrate level effects on performance and metabolic utilisation of diets in European sea bass (*Dicentrarchus labrax*) juveniles. *Aquaculture* 274, 153-160. DOI:10.1016/j.aquaculture.2007.11.016 (SJR: Aquatic Science; Quartile: Q1)
18. PERES, H., OLIVA-TELES, A., 2009. The optimum dietary essential amino acid profile for gilthead seabream (*Sparus aurata*) juveniles. *Aquaculture* 296, 81-86. DOI: 10.1016/j.aquaculture.2009.04.046 (SJR: Aquatic Science; Quartile: Q1)
19. ENES, P., PERES, H., COUTO, A., OLIVA-TELES, A., 2010. Growth performance and metabolic utilization of diets including starch, dextrin, maltose or glucose as carbohydrate source by gilthead sea bream (*Sparus aurata*) juveniles. *Fish Physiology and Biochemistry*, 36, 903-910. DOI: 10.1007/s10695-009-9366-y (SJR: Aquatic Science; Quartile: Q2)
20. ENES, P., COUTO, A., PERES, H., OLIVA-TELES, A., 2011. Growth, feed utilization and glycaemic responses in European sea bass *Dicentrarchus labrax* juveniles fed carbohydrate of different complexities. *J. World Aqua. Soc.* 42, 873-879. DOI: 10.1111/j.1749-7345.2011.00525. (SJR: Aquatic Science; Quartile: Q3)
21. PERES, H., OLIVA-TELES, A., 2011. Lack of compensatory growth response in gilthead seabream (*Sparus aurata*) juveniles following starvation and subsequent refeeding. *Aquaculture*. 318, 384-388. DOI: 10.1016/j.aquaculture.2011.06.010 (SJR: Aquatic Science; Quartile: Q1)
22. ENES, P., PERES, H., SANCHEZ-GURMACHES, J., NAVARRO, I., GUTIÉRREZ, J., OLIVA-TELES, A., 2011. Insulin and IGF-I response to a glucose load in European sea bass (*Dicentrarchus labrax*) juveniles. *Aquaculture*, 315, 321-326. DOI: 10.1016/j.aquaculture.2011.02.042 (SJR: Aquatic Science; Quartile: Q1)
23. CASTRO C, PÉREZ-JIMÉNEZ A, GUERREIRO I, PERES H., CASTRO-CUNHA M, OLIVA-TELES A., 2012. Effects of temperature and dietary protein level on hepatic oxidative status of Senegalese sole juveniles (*Solea senegalensis*). *Comp Biochem Physiol A Mol Integr Physiol*. 163, 372-8. DOI: 10.1016/j.cbpa.2012.07.003. (Zoology; impact factor: 2.167; ranking: 25/151; Quartile: Q1)
24. PÉREZ-JIMÉNEZ, A., PERES, H., RUBIO, V.C., OLIVA-TELES, A., 2012. The effect of dietary methionine and white tea on oxidative status of gilthead sea bream (*Sparus aurata*). *British Journal of Nutrition* 108, 1202-1209. DOI:10.1017/S0007114511006556 (SJR: NUTRITION AND DIETETICS; Quartile Q1)
25. ENES, P., PÉREZ-JIMÉNEZ, A., PERES, H., COUTO, A., POUSÃO-FERREIRA, P., OLIVA-TELES, A., 2012. Oxidative status and gut morphology of white sea bream, *Diplodus sargus* fed soluble non-starch polysaccharide supplemented diets. *Aquaculture* 358-359, 79-84. DOI: 10.1016/j.aquaculture.2012.06.020. (SJR: Aquatic Science; Quartile: Q1)
26. COUTINHO, F., PERES, H., GUERREIRO, I., POUSÃO-FERREIRA, P., OLIVA-TELES, A., 2012. Dietary protein requirement of sharpnose sea bream (*Diplodus puntazzo*, Cetti 1777) juveniles. *Aquaculture* 356-357. DOI: 10.1016/j.aquaculture.2012.04.037 (SJR: Aquatic Science; Quartile: Q1)
27. GUERREIRO, I., PERES, H., CUNHA, M., OLIVA-TELES, A., 2012. Effect of temperature and dietary protein/lipids ratio on growth performance, feed utilization and body composition of juvenile Senegalese sole (*Solea senegalensis*). *Aquaculture Nutrition*, 18, 98-106. DOI: 10.1111/j.1365-2095.2011.00884.x (SJR: Aquatic Science; Quartile: Q1)
28. ENES, P., PERES, H., POUSÃO-FERREIRA, P., SANCHEZ-GURMACHES, J., NAVARRO, I., GUTIÉRREZ, J., OLIVA-TELES, A., 2012. Glycemic and insulin responses in white sea bream *Diplodus sargus*, after intra-peritoneal administration of glucose. *Fish Physiology and Biochemistry* 38, 645-652. DOI:10.1007/s10695-011-9546-4 (SJR: Aquatic Science; Quartile: Q2)
29. COUTO, A., ENES, P., PERES, H., OLIVA-TELES, A., 2012. Temperature and dietary starch level affected protein but not starch digestibility in gilthead sea bream juveniles. *Fish Physiology and Biochemistry* 38, 595-601. DOI:10.1007/s10695-011-9537-5 (SJR: Aquatic Science; Quartile: Q2)
30. PÉREZ-JIMÉNEZ, A., PERES, H., RUBIO, V.C., OLIVA-TELES, A., 2012. The effect of hypoxia on intermediary metabolism and oxidative status in gilthead sea bream (*Sparus aurata*) fed on diets supplemented with methionine and white tea. *Comp. Biochem. Physiol. C Toxicol. Pharmacol.* 155, 506-516. DOI: 10.1016/j.cbpc.2011.12.005 (Zoology; impact factor: 2.707 ranking: 15/151; Quartile: Q1)
31. GUERREIRO, I., PERES, H., PÉREZ-JIMÉNEZ, A., CASTRO, C., CASTRO-CUNHA, M., OLIVA-TELES, A., 2014. Water temperature does not affect protein sparing by dietary carbohydrate in Senegalese sole (*Solea senegalensis*) juveniles. *Aquaculture Researc.* 45, 289-298. DOI: 10.1111/j.1365-2109.2012.03226.x (SJR: Aquatic Science; Quartile: Q2)
32. CASTRO, C., PÉREZ-JIMÉNEZ, A., COUTINHO, F., POUSÃO-FERREIRA, P., BRANDÃO, T.M., OLIVA-TELES, A., PERES, H., 2013. Digestive enzymes of meagre (*Argyrosomus regius*) and white seabream (*Diplodus sargus*). Effects of dietary brewers spent yeast supplementation. *Aquaculture* 416, 327-322. DOI: 10.1016/j.aquaculture.2013.09.042 (Fisheries; impact factor: 2.009 ranking: 11/50; Quartile: Q1)
33. PERES, H., GUERREIRO, I., PÉREZ-JIMÉNEZ, A., OLIVA-TELES, A., 2013. A non-lethal faeces collection method for Senegalese Sole (*Solea senegalensis*) juveniles. *Aquaculture* 414, 100-102. DOI: 10.1016/j.aquaculture.2013.07.035 (SJR: Aquatic Science; Quartile: Q1)

34. PÉREZ-JIMÉNEZ, A., PERES, H., RUBIO, V.C., OLIVA-TELES, A., 2014. Effective replacement of protein-bound amino acids by crystalline amino acids in Senegalese sole (*Solea senegalensis*) juveniles. *Aquaculture Nutrition* 20, 60-68. DOI: 10.1111/anu.12052 (SJR: Aquatic Science; Quartile: Q1)
35. PERES, H., SANTOS, S., OLIVA-TELES, A. 2013. Selected plasma biochemistry parameters in gilthead seabream (*Sparus aurata*) juveniles. *J. Appl. Ichthyol.* 29, 603-636. DOI: 10.1111/j.1439-0426.2012.02049.x (SJR: Aquatic Science; Quartile: Q3)
36. PÉREZ-JIMÉNEZ, A., PERES, H., RUBIO, V.C., OLIVA-TELES, A., 2013. Effects of diet supplementation with white tea and methionine on lipid metabolism of gilthead sea bream juveniles (*Sparus aurata*). *Fish Physiology and Biochemistry*, 39, 661-670. DOI 10.1007/s10695-012-9728-8 (SJR: Aquatic Science; Quartile: Q2)
37. MARINHO, G., PERES, H., CARVALHO, A.P., 2012. Effect of feeding time on dietary protein utilization and growth of juvenile Senegalese sole (*Solea senegalensis*). *Aquacul. Res.* 45, 828-833. DOI: 10.1111/are.12024 (SJR: Aquatic Science; Quartile: Q2)
38. BAÑUELOS-VARGAS, I., LÓPEZ, L.M., PÉREZ-JIMÉNEZ, A., PERES, H., 2014. Effect of fishmeal replacement by soy protein concentrate with taurine supplementation on hepatic intermediary metabolism and antioxidant status of totoaba juveniles (*Totoaba macdonaldi*). *Comp Biochem Physiol B* 170, 18-25. DOI: 10.1016/j.cbpb.2014.01.003 (Zoology; impact factor: 2.167; ranking: 25/151; Quartile: Q1)
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62. DIÓGENES, A.F., MACHADO, M., SKRZYNSKA, A., COSTAS, B., OLIVA-TELES, A., PERES, H., 2016. Erythrocyte oxidative status of seabream (*Sparus aurata*) juveniles fed by DDGS based diets supplemented with tryptophan kept under stressed and unstressed culture conditions. IMMR-International Meeting on Marine Research 2016, Peniche, Portugal. July 14-15.
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64. COUTINHO, F., MONTEIRO, M., VILA-FRANCA, C.E.X., SERRA, C., SANTOS, R.A., ORDÓÑEZ, R., SIMÕES, R., KAUSHIK, S., OLIVA-TELES, A., PERES, H., DIAZ-ROSALES, P., 2017. Effect of methionine and taurine on inflammatory response of european seabass (*Dicentrarchus labrax*). 2nd Workshop Aquaimprove, CIIMAR – Interdisciplinary Centre of Marine and Environmental Research, Porto, Portugal, 17th March 2017.
65. MAGALHÃES, R., LOPEZ, A.S., LEAL, R.S., MARTÍNEZ-LLORENS, S., OLIVA-TELES, A., PERES, H., 2017. Black Soldier Fly (*Hermetia illucens*) pre-pupae meal as fish meal replacement in diets for European seabass (*Dicentrarchus labrax*). 2nd Workshop Aquaimprove, CIIMAR – Interdisciplinary Centre of Marine and Environmental Research, Porto, Portugal, 17th March 2017.
66. DIÓGENES, A., SKRZYNSKA, A., PAULINO, R.R., OLIVEIRA, K.R.B., OLIVA-TELES, A., COSTAS, B., PERES, H., 2017. Dietary tryptophan supplementation did not improve growth performance of seabream (*Sparus aurata*) kept under stressed or unstressed culture conditions. 2nd Workshop Aquaimprove, CIIMAR – Interdisciplinary Centre of Marine and Environmental Research, Porto, Portugal, 17th March 2017.
67. MATOS, D., MARTINS, S., MAGALHÃES, R., PERES, H., MUCHA, A.P., 2017. Monitoring of nutrients in IMTA systems with different fish densities. 2nd Workshop Aquaimprove, CIIMAR – Interdisciplinary Centre of Marine and Environmental Research, Porto, Portugal, 17th March 2017.
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69. DIAS, M.G., MAGALHÃES, R., SALGADO, J.M., OLIVA-TELES, A., BELO, I., PERES, H., 2017. New approaches in aquaculture: using solid state fermentation to improve the nutritional value of DDGS. 2nd Workshop Aquaimprove, CIIMAR – Interdisciplinary Centre of Marine and Environmental Research, Porto, Portugal, 17th March 2017.

70. CAMPOS, P., MAGALHÃES, R., AIRES, T., OLIVA- TELES, A., **PERES, H.**, 2017. Potential use of poultry meal in diets for gilthead seabream (*Sparus aurata*): effect on growth performance, feed utilization and digestibility. 2nd Workshop Aquaimprove, CIIMAR – Interdisciplinary Centre of Marine and Environmental Research, Porto, Portugal, 17th March 2017.
71. PIRES, R., MAGALHÃES, R., DIAZ-ROSALES, P., OLIVA- TELES, A., **PERES, H.**, 2017. Optimal dose of three anesthetics and its effects on plasma metabolites in gilthead seabream (*Sparus aurata*) juveniles. 2nd Workshop Aquaimprove, CIIMAR – Interdisciplinary Centre of Marine and Environmental Research, Porto, Portugal, 17th March 2017.
72. PEDROSA, R., IACONISI, V., BORGOGNO, M., OLIVA- TELES, A., **PERES, H.**, PARISI, G., 2017. Effect of dietary replacement of fish meal by prepupae meal of black soldier fly (*Hermetia illucens*) on fillet quality traits and self-file of european sea bass (*Dicentrarchus labrax*) JUVENILES. 2nd Workshop Aquaimprove, CIIMAR – Interdisciplinary Centre of Marine and Environmental Research, Porto, Portugal, 17th March 2017.
73. BASTO, A., IACONISI, V., OLIVA- TELES, A., **PERES, H.**, PARISI, G., 2017. Quality traits of rainbow trout fed by prepupae of black soldier fly meal. 2nd Workshop Aquaimprove, CIIMAR – Interdisciplinary Centre of Marine and Environmental Research, Porto, Portugal, 17th March 2017.

## 9. ORGANIZATION OF EVENTS OF SCIENTIFIC DISSEMINATION

- 1st Workshop Aquaimprove, FCUP-University of Porto Porto, Portugal, 18 December 2015. Member of the coordination committee and scientific committee of the event with more than 120 participants.
- 2nd Workshop Aquaimprove, CIIMAR, FCUP-University of Porto Porto, Portugal, 17 de março de 2017. Member of the coordination committee and scientific committee of the event with more than 210 participants.

## 10. PARTICIPATION IN EVENTS OF SCIENTIFIC DISSEMINATION

- Participation in the Tradeshow of the "BUSINESS2SEA 2016 - FORUM OF THE SEA, 6th EDITION, 16 to 18 November, 2016, Center of Congresses of the Port Customs.
- Participation in the Open Day in CIIMAR, 18 September 2016.
- Participation in the "European Night of Investigators", 30 September 2016, Centro Ciência Viva of Vila do Conde.
- Participation in the "CIIMAR na Escola", 25 November 2016, Escola E.B, 2,3 Frei João, Vila do Conde
- "Participation in the event" There is Science in the Terminal ", inserted in the 8th edition of the " Day of the Port of Leixões ", held on September 17 by the Douro and Leixões Ports Administration (APDL)."

## 10. LANGUAGES

Language	Reading	Writing	Conversation
English	Excellent	Excellent	Excellent
French	Good	Reasonable	Reasonable
Spanish (Castilian)	Excellent	Good	Excellent