

PERSONAL INFORMATION

Maria João Magalhães de Almeida Xavier

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WORK EXPERIENCE

16/01/2017–Present

PhD

Instituto de Ciências Biomédicas Abel Salazar (ICBAS), Centro de Ciências do Mar (CCMAR), Centro Interdisciplinar de Investigação Marinha e Ambiental (CIIMAR) and Sparos Lda.

- Maintenance of nutrition assay in fish larvae of *Senegalensis* sole
- Analysis of zootechnical parameters;
- Performing biological samplings;
- Transcriptomics;
- Histological techniques;
- Examination of oxidative status.

09/2014–11/2015

Dissertation

Instituto Português do Mar e da Atmosfera (IPMA) & Faculdade de Ciências da Universidade do Porto (FCUP), Olhão & Porto (Portugal)

- Maintenance of nutrition essay of Meagre (*Argyrossomus regius*) juveniles
- Manual sorting of the species;
- Analysis of zootechnical parameters (SGR, FCR, VFI, ...);
- Performing biological sampling of tissues, blood and feces;
- Proximate analysis of the diet and fish carcasses;
- Determination of lipid class through thin layer chromatography (TLC) and fatty-acid profile through gas chromatography (GC);
- Examination of liver oxidative status by determining spectrophotometrically the activity of enzymes (SOD, CAT, GPX, ...).

16/09/2012–07/06/2013

Intern

Faculdade de Ciências da Universidade do Porto (FCUP), Porto (Portugal)

- Establish contact with professional hunters in order to study the Red Fox density in Portugal;
- Morphometric characterization of the Red Fox;
- Determination of sex, age and fecundity of Red Foxes;
- Develop a biometric database;
- Creation of a bibliographic database;
- Usage of statistical tools to analyze the results.

EDUCATION AND TRAINING

09/2013–11/2015

Master's degree in Biological Aquatic Research

average score: 18
(0-20)

Faculdade de Ciências da Universidade do Porto (FCUP), Porto (Portugal)

- Skills in key areas of Aquaculture including: Fish Nutrition; Sustained Aquaculture; Diagnosis of

- Fish Diseases and Algology;
- Practice in fish handling: anaesthesia, sampling, weighing, feeding and collection of faeces;
- Advanced knowledge in Fish Reproduction and Egg Maintenance;
- Compound feed formulation and modeling growth and food needs in fish;
- Evaluation of experimental data in growth trials and critical analysis of scientific papers.

09/2010–07/2013

Bachelor's degree in Biology

average score: 14
(0-20)

Faculdade de Ciências da Faculdade do Porto, Porto (Portugal)

Skills in key areas of biology, including Marine Ecology, Animal Parasitology, Toxicology and Microbiology.

PERSONAL SKILLS

Mother tongue(s) Portuguese

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B2	B2	B2
Spanish	B1	B1	A1	A1	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills

- Good communication skills gained through my experience in working in scientific laboratories and education
- Used to work and assist other team members

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem-solving
Independent user	Proficient user	Independent user	Independent user	Basic user

Digital skills - Self-assessment grid

- PDF document edition
- Solid knowledge of Microsoft Office (Word, PowerPoint, Excel)
- Practice of EndNote X7 and SPSS Statistics

Driving licence B

ADDITIONAL INFORMATION

Presentations

- Xavier, M.J., Engrola, S., Conceição, L.E.C., Machado, M., Carballo, C., Gonçalves, R., Colen, R., Figueiredo, V., Valente, L.M.P. 2019. Dietary antioxidant supplementation promotes growth in Senegalese sole post-larvae. SEB2019 – The Society for Experimental Biology. July 2nd-5th, Seville, Spain.
- Engrola, S., Xavier, M.J., Gonçalves, R., Colen, R., Valente, L.M.P., Rocha, R.J.M., Conceição, L.E.C. 2019. Building fish resilience via nutrition. SEB2019 – The Society for Experimental Biology. July 2nd-5th, Seville, Spain.
- Xavier, M., Conceição, L.E.C., Valente, L.M.P., Engrola, S. 2018. Improving growth performance through early nutrition. SANFEED V – Workshop do programa doutoral em Ciência Animal.

September 18th 2018, Porto, Portugal.

- Xavier, M., Gonçalves, R., Conceição, L.E.C., Valente, L.M.P., Engrola, S. 2018. Improving growth performance through early nutrition. SIBIC VII – Congresso Ibérico de Ictiologia. June 12th-15th 2018, Faro, Portugal.

Conferences, Seminars,
Workshops

27-28/5/2019. Centro de Ciências do Mar (CCMAR)

- "R for absolute beginners 7th edition"

9-10/4/2019. SPAROS Lda - Producers of Hatchery feeds

- FEEDLARVA 2019 - Training Course "Nutrition and feeding in marine fish hatcheries"

23/11/2018. IFAPA Centro El Toruño

- "Jornada de transferencia de conocimiento aplicado en acuicultura"

23-24/10/2018. Centro de Ciências do Mar (CCMAR)

- "ATT Effective Scientific Writing Course" by Shirley Ellis

20-21/02/2018. Centro de Ciências do Mar (CCMAR)

- "Workshop Biosensors: applications and potential for bioactive compound screening"

30/01/2018. Centro de Ciências do Mar (CCMAR)

- "Training action for laboratory waste management"

4-7/09/2017. Ghent University, Belgium

- 7th fish & shellfish larviculture symposium (Larvi)

12-16/12/2016. Interdisciplinary Centre of Marine and Environmental Research (CIIMAR)

- 10ª Edição do curso de ciências em animais de laboratório – Organismos aquáticos (CAL-AQUA)

02/05/2016. Interdisciplinary Centre of Marine and Environmental Research (CIIMAR)

- "Workshop INSEAFood project"

21/12/2015. SEA8 GROUP

- "Effect of water quality on growth of *Solea Senegalensis* in recirculation systems"

18/12/2015. NUTRIMO RESEARCH GROUP

- "Aquaculture Research – Project AMINOQUA and AQUAIMPROVE".

29/06/2015. SEA8 GROUP

- "Feeding and nutrition of *Solea Senegalensis*"

25/06/2015. CIIMAR & Instituto de Engenharia de Sistemas e Computadores (INESC TEC)

- "Aquaculture in Portugal"