



Javier Jiménez Herrero

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I am a highly driven individual with a passion for academia, research and nature. Since graduated in **Marine Science** at University of Vigo (Spain), I had the opportunity to achieve my first publication involved in the prestigious **COFASP ERA-net SUSHIFISH European project** at CCMAR research center. Currently, I am completing a **Msc in Marine Biology (awaiting thesis defense)** at the University of Algarve (Portugal), collaborating with other universities such as the University of New South Wales (Australia).

EDUCATION AND TECHNICAL SKILLS

University of Vigo (Spain). Bachelor in Marine Science (4 years degree)

University of Algarve (Portugal) and UNSW (Australia). Master's degree Marine Biology (2 years)

Bachelor project: **Identification of cephalopods by the morphometry of their jaws**

Msc internship: **Evaluating the relationship between in situ seagrass canopy measures and cover estimated from photographs**

Msc Research project: **Biogeography analysis of intertidal seaweeds and associated peracarids**

- Experienced with different software such as R, Ocean Data View, EventMeasure
- Independent Research Skills
- Microsoft Office Suite
- Outlook
- Proficiency in English, Spanish and Portuguese (speaking, reading and writing)
- Diverse Laboratories Techniques
- Fieldwork skills
- +25 Scientific dives
- Data collection
- Report writing
- Teamwork
- Communication
- Strategic planning
- Experienced trailering and launching boats

PROFESIONAL EXPERIENCE

Research Intern:

Supervisor: Rui Santos and Henrique Queiroga (Ualg and University of Aveiro)(2020). **Biogeographic and diversity analysis of intertidal seaweeds and associated peracarids in the Northeast Atlantic.**

- ✚ Algae and macroinvertebrates sampling
- ✚ Species classification
- ✚ Measurement of different climatic parameters
- ✚ Construction of extensive database
- ✚ Data analysis: Biogeographic analysis and relationship with environmental variables (R Studio) and anthropogenic pressures (ArcGis).
- ✚ Writing and preparation of paper for publication.



Research assistant

Collaboration in several research projects. University of New South Wales, Australia (2019-2020).

Benthic metabolism, nutrient cycling and microbial communities of the Northern Beaches lagoons. In collaboration with Macquarie University.

- ✚ Sediment sampling with core sampler
- ✚ Measurement of water parameters
- ✚ In situ measurement of seagrass percentage cover



Research Intern:

Supervisor: Adriana Vergés. University of New South Wales, Australia (2019-2020). **Ecological effects of oyster culture infrastructure methods on fish communities and cascading impacts on seagrass meadows (* Not finished due to CoVid).**

- ✚ Fieldwork planning
- ✚ Video surveys and analysis with EventMeasure software.
- ✚ Herbivory and predation assays Infauna and seagrass sampling

Operation Posidonia. Seagrass restoration project

- ✚ Fieldwork planning
- ✚ Predation and herbivory assays
- ✚ Science communication
- ✚ Seagrass monitoring and planting
- ✚ R proficiency



Research assistant (Traineeship). SUSHIFISH project

Study of one of the most important aquaculture species in Southern Europe. CCMAR, Portugal (2017-2018)

Tutor: Deborah M. Power

- ✚ Histology and RNA extraction
- ✚ Handling, processing and embedding diverse tissues in paraffin.
- ✚ Sectioning using a manual microtome and preparing slides
- ✚ Application of diverse histological stains and elaboration of definitive preparations
- ✚ Analysis of stained material at the microscope
- ✚ Scientific photography of the stained tissue
- ✚ Construction of an extensive database (over 100 samples)
- ✚ Final report covering the methods and results



Research output

Costa, Rita A; Mateus, Ana Patrícia; Jimenez, Javier; Piñera, Rócio; Sadoul, Bastien. "Food deprivation and refeeding affect the liver of temperature imprinted juvenile sea bass (*Dicentrarchus labrax*)". Presented at *AIEC 2019 - XII Conference of the Iberian Association for Comparative Endocrinology*, Faro, 2019.

Volunteer work

- ✚ Fieldwork assistant. NSW Environment Protection Authority (EPA).
 - Environmental state assay.
- ✚ Fieldwork assistant. University of Sydney.
 - 2x RBRs deployments
 - 24 PT2x deployments
 - Sediment samples
 - Topographic measurements
- ✚ Lab assistant. University of Sydney.
 - Fossil reef core logging and sampling



COURSES AND CERTIFICATES

2019 **Oxygen Provider certification** (Australia)

2019 **Provide first aid, basic emergency life support and cardiopulmonary resuscitation.** (Australia)

2019 **GUE Scientific dive certification**

2018 **Science communication course**

2018 **Academic IELTS. Overall score: 6.5**

2014 **Driving license**

Referees. Available upon request.