

Eng. Slim bendag

PhD. Student In sustainable recirculating shrimp aquaculture systems / Data analyst

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Giessen, Germany

Profile

Highly motivated and skilled Marine Aquaculture Operations Lead with 4 years of experience in aquaculture, including 2 years designing, building, and managing a pilot marine recirculating aquaculture research facility for tropical shrimp. Proven track record in PhD project supervision, student mentorship, and budgeting. Leader in research innovation for sustainable recirculating aquaculture systems. Adept in water quality management, disease control, and biosecurity measures. Strong project management skills with extensive experience in equipment installation and maintenance. Excellent scientific reporting and communication abilities.

EXPERIENCE

Aquaculture research assistant

Nov 2022 – January 2024

Justus-Liebig-University - Giessen, Germany

- Managing and monitoring the operation of an experimental tropical shrimp recirculating aquaculture research facility
- Equipment installation and maintenance
- Record-keeping and data management
- Water quality management

Aquaculture consultant

Sep 2020 – Dec 2021

Medimegh Aquaculture Group - Teboulba, Tunisia

Part-time/Remote

- Leading new farming projects from site selection to operation
- Project management (planning, resource allocation, risk management)
- Stakeholder engagement and reporting
- Record-keeping and data analysis

Master of science thesis

Feb 2021 – Aug 2021

Justus-Liebig-University - Giessen, Germany

- Conceptualization and development of a denitrifying system for a recirculating shrimp farm and hatchery
- Implementing biosecurity measures
- Water quality management
- Data analysis and scientific reporting

Aquaculture engineering thesis

Feb 2020 – Jun 2020

BIOMAR - Nersac, France

PFI Nouvelles Vagues - Boulogne-sur-mer, France

- Supervision, data analysis and reporting of a nutrition trial on *Argyrosomus regius* in external R&D platform PFI Nouvelles Vagues
- Marine and land-based aquaculture farm operations
- Feed formulation
- Data analysis and scientific reporting

Student Internship

Jul 2019 – Aug 2019

Medimegh Aquaculture Group - Teboulba, Tunisia

- Data analysis of post-seeding and transportation stress for fish fry in marine offshore aquaculture
- Observation and quantification of stress and mortality
- Record-keeping, data management and stakeholder reporting

Student Internship

Jul 2018 – Aug 2018

Fermes marines du soleil - Balaruc, France

- Daily marine fish hatchery operations
- Health check for the hatchery's Larval unit
- Training in Biosecurity measures and disease control in hatchery conditions

Student Internship

Jul 2017 – Aug 2017

Fermes marines du soleil - Balaruc, France

- Daily marine fish hatchery operations
- Training in marine recirculating aquaculture principals and water management

EDUCATION

PhD Student: Sustainable shrimp recirculating aquaculture

Jan 2022 – Present

Justus-Liebig-University - Giessen, Germany

- Managing, designing and construction of an experimental sustainable shrimp multi-trophic aquaculture recirculating system
- Project management
- Student supervision
- Budgeting and funding proposal writing
- Scientific writing (Research topics: Sustainable RAS construction materials, Shrimp health, Aquaculture automation, Insect based shrimp feed, Integrated multitrophic tropical shrimp aquaculture, Probiotics and pathogen)

Master of science in Marine Biotechnology

Sep 2020 – Oct 2021

European Institute of Marine Studies - University of Brest Brittany

- Graduated top 20% of class

Agronomic engineering degree – Aquaculture and fisheries

Sep 2017 – Jul 2020

National Agronomic Institute of Tunisia INAT

UNDERGRADUATE DEGREE IN BIOLOGY AND GEOLOGY

Sep 2015 – Jul 2017

Higher Institute of Preparatory Studies in Biology and Geology - Soukra, Tunisia

- National engineering schools' Entrance Examination: Rank 24

SCHOLARSHIPS

- Charles Darwin's PhD scholarship for Biology – PhD stipend
- Erasmus + Student mobility scholarship – Master of science thesis

LANGUAGES

- **English: C1** (TOEFL 97)
- **Arabic: C2** (Native)
- **French: C1** (Bilingual)
- **Spanish: B1**
- **German: A1**

SKILLS

- **Project management:** Clickup, Asana
- **Data analysis:** R, Python, SQL, BigQuery, Tableau
- **Scientific writing**
- **Office Pack:** Excel, powerpoint, word, access, etc..
- **Coding:** C#, Python, Javascript, ReactJs, HTM, CSS, R
- **Robotics:** Arduino
- **3D modelling:** Blender

FURTHER EDUCATION

- **Google Project management Professional certification**
- **Google Data Analysis Professional certification**

HOBBIES AND INTERESTS

- Tennis
- Spearfishing
- Travel
- Coding video games