

JOB OFFER - S²AQUAcoLAB

ORGANISATION/COMPANY

S²AQUA - Laboratório Colaborativo em Aquacultura Sustentável e Inteligente

RESEARCH FIELD

Electronics Engineering, Computing sciences or similar fields related to Marine or Environmental Sciences

RESEARCHER PROFILE

Established Researcher (R3)

APPLICATION DEADLINE

25/03/2022 11pm - Europe/London

LOCATION

Portugal › Olhão

TYPE OF CONTRACT

Temporary

JOB STATUS

Full-time

HOURS PER WEEK

40

OFFER STARTING DATE

18/04/2022

REFERENCE NUMBER

S²AQUAcoLAB/Ref_16/2021

OFFER DESCRIPTION

ANNOUNCEMENT

RESEARCHER (M / F) - 1 VACANCY

Electronics Engineering, Computing sciences or similar fields related to Marine or Environmental Sciences (PhD)

REFERENCE: S²AQUAcoLAB/Ref_16/2021

Laboratório Colaborativo em Aquacultura Sustentável e Inteligente (hereinafter referred to S²AQUAcoLAB) opens recruitment and selection competition for 1 researcher (M/F) vacancy for citizens of any nationality including stateless persons under a certain term contract to carry out work in aquaculture systems automation/robotics towards the promotion of Aquaculture 4.0 technologies and best practices.

Vacancy purpose:

To satisfy temporary needs under a certain term employment contract with the objective of attracting funding through research projects and cross-sector collaboration, towards fostering the adoption of new emergent technologies, that can effectively tackle key challenges of the Aquaculture industry like optimize production, climate change impacts monitoring, toxins monitoring/forecast and environmental risks (e.g. physical-chemical anthropogenic contaminants).

Tasks:

1. Plan and coordinate tests in aquaculture systems automation/robotics
2. Identify emergent technologies with potential to improve efficiency, minimize risks and support corporate social responsibility (CSR) within the Aquaculture industry;
3. Plan and coordinate IoT trials on Aquaculture;
4. Design road maps and coordinate the implementation of these technologies within the Aquaculture industry
5. Produce, validate and analyze data across multiple projects in the field of smart aquaculture;
6. Support the development and implementation of decision support systems for aquaculture;
7. Participate in the experimental design of projects that use Machine Learning and Artificial Intelligence applied to aquaculture;
8. Participate in and support the research project team;
9. Contribute to the innovation strategy.

Profile required:

1. Holds a PhD degree in Electronics Engineering, Computing sciences or similar or Marine Science or Environmental Sciences;
2. Experience in attracting research funding;
3. Cross-sector project management experience in the field of emerging technologies that can be applied in the Aquaculture industry;
4. Experience in IoT and in complex academy/industry interface projects;
5. Experience in programming languages that support the implementation of intelligent systems (AI, Machine Learning) and data analysis;
6. Experience in Aquatic Sensors and Robotics;
7. Fieldwork experience in the marine environment;
8. Fluent in English and excellent writing skills.

The decision not to be admitted shall be notified to the candidates by e-mail for the purposes of the hearing of the interested parties. False statements made by applicants will be punished under the law.

Other Preferred Requirements:

1. Be strongly motivated, demonstrate autonomy and the ability to propose new approaches.
2. Experience in the development and / or execution of national and international research projects.
3. Participation in research projects with both, research institutes and industry partners.
4. Previous experience with the Aquaculture industry.
5. Fieldwork experience in the marine environment.

Governing Law:

- Decree - Law No. 57/2016, of August 29, amended by Law No. 57/2017, of July 19 (RJEC).
- Labour Code, approved by Law No. 7/2009 of 12 February, and its successive amendments.
- Regulatory Decree No. 11-A / 2017, of December 29th.
- Decree-Law No. 124/99, of April 20, and its successive amendments.
- Decree-Law No. 29/2001, of 3 February.
- Code of Administrative Procedure.

Starting Date

The contract is scheduled to start on April 18th 2022.

Workplace

The activities will be carried out at S²AQUAcoLAB headquarters, as well as at other locations to be indicated by the Executive Committee, to fulfil the tasks to be performed.

Work schedule

40 hours a week.

Application Period

The application period starts on March 8th 2022 and ends on March 25th 2022.

Jury

In accordance with article 13 of the RJEC, the competition Jury is composed of Renata Serradeiro, deputy Director at S²AQUAcoLAB; João Rodrigues, Adjunct Professor at University of Algarve; Jorge Semião, Adjunct Professor at University of Algarve; Ivo Martins, Adjunct Professor at University of Algarve (Substitute).

Evaluation and Selection Process

The evaluation is carried out in two stages, which result in a final classification from 0 to 100 points.

The deliberations of the Jury are taken by reasoned roll call and abstentions are not allowed.

Candidates have to reach a minimum of 50 points in order to be selected for the position.

Stage One: Curriculum Evaluation

The selection of the admitted candidates is made through the evaluation of the motivation letter that will indicate the most relevant activities, career development plan and the curriculum vitae that will include the candidate's scientific and professional career focusing on the relevance, quality and timeliness of the criteria, according to Article 5 (2) (a) to (d) of the RJEC. The following selection criteria will be considered and the candidate's ability to perform the duties:

CA) Scientific and technological production of the last five years considered most relevant by the candidate;

CB) Applied or practice-based research activities in an academic and industrial environment, developed over the past five years and considered of greatest impact by the applicant.

CC) Activities of knowledge extension and dissemination in the academic and/or business environment in the last five years, namely in the context of the promotion of knowledge and scientific practices, considered most relevant by the candidate.

CD) Project management, collaborators, technology and innovation activities in academic and/or business environment.

The period of five years referred to in the evaluation criteria may be extended by the Jury at the request of the applicant, on grounds of suspension of scientific activity for socially protected reasons, on grounds of parental leave, prolonged serious illness, and other situations of unavailability for work legally protected.

Stage Two: Interview

If the Jury deems it necessary for the evaluation, the best ranked candidates for the curriculum evaluation will proceed to the second phase, which will consist of an individual interview, either in person or via videoconference. The interview will have a maximum weight of 20% of the final grade and will only serve to clarify aspects related to the research results of the candidates.

Jury Procedure

Each jury member will evaluate candidates on all CA to CD factors between 0 and 100 points and indicating the reasons for the points awarded. Abstentions are not allowed. A similar procedure will be followed for applicants who are invited to the interview. Candidates who are not called for the interview will have 0 points in the second evaluation phase.

The curricular evaluation (C) of each candidate is obtained according to the sum of the scores of each criterion multiplied by the respective weights according to the following formula rounded to one decimal place.

$$C = CA*35 + CB*40 + CC*10 + CD*15$$

The final score (FS) of each candidate is obtained by summing the scores of the curriculum evaluation (C) and interview (I), if applicable, according to the following formulation, rounded to the units.

$$FS = C*80 + I*20$$

Each candidate's final score is obtained by averaging the scores of the jury members. In case of a tie applying the previous criteria, the decision to break will be up to the president of the jury.

The jury will write minutes of the meetings describing the evaluation process and selection process including an ordered list of candidates for their score and the final decision. S²AQUAcoLAB Board of Directors will validate the jury's final decision.

In the event that the candidates do not have the appropriate profile for the proposed duties, or the financing conditions change significantly after the publication of this notice, the jury reserves the right to terminate the competition without any recruitment. In the event that the selected candidate does not accept the post, or terminates the employment contract, the jury reserves the right to assign a post to the next candidate in the order of final grade, upon judgement of convenience and timeliness.

Application Process and Submission:

Only applications submitted directly and necessarily by email to s2aquacolab@sapo.pt are accepted. Receipt of applications is considered valid only upon receipt of confirmation by email from S²AQUAcoLAB. The application in (English or Portuguese) must include a Motivation Letter (with a personal assessment of the suitability of the activities of the last 5 years to the present competition, highlighting the publications chosen and considered most relevant, and career plan), detailed Curriculum Vitae according to the requirements and selection criteria of the competition, digital copies (e.g. PDF) of up to 3 publications considered by the applicant as most relevant; copy of PhD certificate; indication of up to 3 references and their contact by email; other documents which the applicant considers to be important for this competition.

Results The list of admitted and excluded candidates and the final ranking list are posted on the S²AQUAcoLAB Headquarters and on the website <https://www.ipma.pt/pt/pecas/eppo/colab>. The candidates are notified by email.

Prior Hearing and Deadline for Final Decision

Under Article 121 of the Administrative Procedure Code, after notified, candidates have 10 days to comment. Within 90 days from the deadline for the submission of applications, the final decisions of the Jury are issued.

The candidate with disabilities has a preference in equal ranking, which prevails over any other legal preference. Applicants must declare in the application, on their honour, their degree of disability, the type

of disability and the means of communication / expression to be used in the selection process, in accordance with the above-mentioned diploma.

Non-Discrimination and Equal Access Policy

No candidate may be privileged, benefited, harmed or deprived of any right or exempt from any duty on the grounds, in particular, of descent, age, gender, sexual orientation, marital status, family status, economic situation, social origin or condition, genetic heritage, disability, chronic illness, nationality, ethnicity, territory of origin, language, religion, political or ideological beliefs and trade union membership.

The members of the Jury approve this announcement on March 7th 2022.

More Information

Work location(s): 1 position(s) available at S²AQUAcoLAB, IPMA / EPPO, Av. do Parque Natural da Ria Formosa s/n, 8700-194 Olhão, Portugal.