

Reference: Public notice 1-SHELLBLOOM/2025/BI/CESAM

NOTICE FOR THE AWARD OF RESEARCH GRANTS

A tender is hereby opened for the award of **one Research Grant** under the project SHELLBLOOM – Development of new microalgae diets for the valorisation of bivalves along the value chain (reference: 1-SHELLBLOOM/2025/BI/CESAM), hosted by CESAM – Centre for Environmental and Marine Studies, under the following conditions:

1. Scientific Area: *Physics, Physical Engineering*

2. Financing Source *Project No. 17410 SHELLBLOOM, co-financed by Algarve 2030, Compete 2030 and Lisboa 2030 programmes, Portugal 2030, and the European Union.*

3. Admission Requirements: *(select one of the following)*

The scholarship is intended for graduates enrolled in Master's programmes in Physics, Physical Engineering, or Biomedical Engineering, interested in gaining integrated scientific training in research projects. Applicants must know optical sensors and water quality parameters.

Proof of enrolment must be available until the contract is awarded, and the candidate may attach a declaration of honour to confirm that they meet the requirements for enrolment in an integrated master's degree, master's or doctoral program, or course that does not confer an academic degree.

If a foreign higher education institution has conferred the qualification it must be **recognized by a Portuguese higher education institution**, under the terms of the provisions of article 25 of Decree-Law no. 66/2018, of August 16th, which approves the legal regime of recognition of academic degrees and diplomas of Higher Education, attributed by foreign higher education institutions, and of paragraph e) of no. 2 of article 4 of Decree-Law no. 60/2018, of August 3rd, and any formalities established therein must be fulfilled by the date of the hiring act.

4. Eligibility: Applicants are eligible if they comply with paragraph a) of no.1 of article 2, of the Research Fellow Statute in the wording given by Decree-Law no. 123/2019, of August 28th, and also the provisions of article 9 of the Scientific Research Grant Regulations of the University of Aveiro.

5. Work plan: (i) review of the state of the art on optical sensors for water quality; (ii) modelling and development of sensors for water quality assessment; (iii) application of sensors in a real test platform.

6. Applicable legislation and regulations: Research Fellow Statute, as amended by Decree-Law No. 123/2019, of August 28th; Scientific Research Grant Regulation of the University of Aveiro, Regulation No. 292/2020, published in Diário da República No. 61, Series II, of March 26th; Decree-Law No. 66/2018, of August 16th (Legal regime of recognition of academic degrees and diplomas of higher education awarded by foreign higher education institutions).

7. Workplace: The work will be carried out at the Department of Physics of the University of Aveiro, under the scientific supervision of Professor Carlos Alberto Ferreira Marques.

8. Duration of the grant: The grant duration will be 6 months, starting in July of 2025, and may be renewed for additional periods of 6 months, up to the maximum limit of approved funding. Under no circumstances

shall it exceed the limits defined in nos. 5 and 6 of article 9, of Regulation no. 292/2020, of February 28th, published in Diário da República, no. 61, Series II, of March 26th (Scientific Research Grant Regulation of the University of Aveiro).

9. Amount of monthly maintenance allowance: The amount of the grant corresponds to €1,040.98, according to the table of values of monthly maintenance allowances, set out in *Appendix III of the Scientific Research Grant Regulation of the University of Aveiro*, subject to any updates that may occur and are applicable. The fellow may also be reimbursed for the amount corresponding to the Voluntary Social Security, in case of adherence to this plan

10. Selection methods: The selection methods to be used will be the following:

- a) Curriculum evaluation (50%)
- b) Knowledge in modelling and sensors for water quality (50%)

The jury reserves the right not to award the scholarship if no candidate meets the required criteria.

11. Composition of the Selection Jury: Dr. Carlos Alberto Ferreira Marques, Assistant Professor at the University of Aveiro (Chair of the Jury), Dr. Rui Jorge Miranda Rocha, Assistant Professor at the University of Aveiro (Full Member), Dr. Carlos António Delgado Sousa Brites, Associate Professor at the University of Aveiro (Full Member), Dr. Vitor Brás de Sequeira Amaral, Full Professor at the University of Aveiro (Alternate Member), and Dr. Maria Rute Ferreira André, Full Professor at the University of Aveiro (Alternate Member).

12. Deadline for applications and how to submit applications: The call is open from 22 May 2025 to 5 June 2025, and only applications submitted within the deadline will be admitted.

Applications must be formalized by sending a letter of application accompanied by the following documents: Curriculum Vitae, degree certificate, sworn declaration of compliance, and any other relevant documents. They shall also indicate the e-mail address to which, by such indication, they accept to be notified for all purposes within this procedure.

Applications should be sent by e-mail to carlos.marques@ua.pt

13. Form of publication/notification of results: The evaluation results shall be made public no later than 60 working days after the closing date for submission of applications and shall be notified to the applicants. The candidates are informed, in a prior hearing, under the terms established in the Code of Administrative Procedure, of the probable meaning of the final decision, and may, within 10 working days of this notification, express their opinion on this decision. The final results may be appealed to the Rector and submitted within 10 working days from the respective notification.

14. Tender duration: The final ranking list of candidates will be valid until 30 June 2025 to constitute a reserve list for selection.

The models of the grant contract and of the final report to be prepared by the grant holder and the supervisor are available at [Research fellows - sgrh - Universidade de Aveiro \(ua.pt\)](#).