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Job offer

JOB

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[Fundação Gaspar Frutuoso](#) | Posted on: 24 April 2026

1 (one) position of junior doctoral researcher for the exercise of scientific research activities in the scientific area of Remote Sensing

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24 Apr 2026

Job Information

Organisation/Company	Fundação Gaspar Frutuoso
Research Field	Other
Researcher Profile	First Stage Researcher (R1)
Positions	PhD Positions
Application Deadline	11 May 2026 - 23:59 (Atlantic/Azores)

Country	Portugal
Type of Contract	Other
Type of Contract Extra Information	a unfixed-term employment contract
Job Status	Full-time
Hours Per Week	35
Offer Starting Date	1 Jun 2026
Is the job funded through the EU Research Framework Programme?	Not funded by a EU programme
Reference Number	JUNIOR RESEARCH (PHD) - COLAPA-3D
Is the Job related to staff position within a Research Infrastructure?	No

Offer Description

1. By order of the President of the Board of Directors of the Fundação Gaspar Frutuoso, F.P, dated 22/04/2026, by delegation of powers, the opening of an international selection competition for 1 (one) position of junior doctoral researcher under an exclusive dedication regime was authorized, for the exercise of scientific research activities in the scientific area of Remote Sensing, under an uncertain-term employment contract, pursuant to the Labour Code, with a view to carrying out research functions within the scope of the research project COLAPA-3D – Local Co-Management of Limpets Supported by 3D Technology and Traditional Knowledge, through funding approved by the MAR 2030 Programme, with funds from the European Maritime, Fisheries and Aquaculture Fund (EMFAF).

2. Applicable legislation: under Decree no. 57/2016, of 29 August, amended by Law 57/2017, of 19 July, which approves a regime for hiring doctoral graduates aimed at stimulating scientific and technological employment in all areas of knowledge (RJEC), and the Labour Code, approved by Law no. 7/2009, of 12 February, in its current version.

3. The jury for the competition has the following composition: Jury President, Dr. Ualerson Peixoto, Principal Investigator of the project; Effective Members: Prof. Dr. Régis Santos, Assistant Professor, who shall replace the President in his absences and impediments, and Dr. Christopher Kim Pham, Assistant Researcher; Substitute Members: Dr. Françoise Dantas Lima, Researcher, and Dr. Bruno César Luz Macena Rocha, Researcher.

4. Workplace: Institute for Research in Marine Sciences — OKEANOS, located at the Horta University Campus of the University of the Azores, 9901-862 Horta, Azores, Portugal.

5. The monthly remuneration to be attributed is that provided for in paragraph a) of no. 1 of article 15 of the RJEC, corresponding to level 33 of the single remuneration table, approved by Ordinance no. 1553-C/2008, of 31 December, updated by Decree-Law no. 29-A/2026, of 30 January, amounting to 2.408,11 Euros gross.

6. The competition is open to national, foreign and stateless candidates who hold a doctoral degree in areas related to Marine Biology, Remote Sensing, and who possess a scientific and professional curriculum that reveals a profile suited to the activity to be developed. If the doctorate was conferred by a foreign higher education institution, it must comply with the provisions of Decree-Law no. 66/2018, of 16 August

7. General admission requirements for the competition:

- Doctoral degree in Marine Biology, Remote Sensing, Geospatial Sciences, Ecology, Environmental Sciences, or a related field;
- Excellent publication record, with preference for topics in 3D photogrammetry with drones, spatial ecological analysis, and remote sensing applications to the marine and coastal environment;
- Proven experience in UAV (drone) operations for scientific purposes, including mission planning, data acquisition, and high-resolution aerial image processing;
- Experience in digital photogrammetry (Structure from Motion), production of photomosaics, digital surface/terrain models, and 3D spatial analysis;
- Experience in image acquisition and analysis in aquatic and coastal contexts, including underwater operations;
- Competence in the use of software and programming languages for spatial data analysis and processing, namely R, Agisoft Metashape, CloudCompare, Adobe Photoshop, and QGIS;
- Eligible for registration with the National Civil Aviation Authority (ANAC), in compliance with applicable European legislation for UAV operation (category A1/A3 or higher).

8. The selection of the doctoral candidate shall be based on:

a) Scientific and technological output, particularly in the areas of 3D photogrammetry, UAV data acquisition, and high-resolution spatial ecology.

b) Research and technical development activities carried out, considered of greatest impact by the candidate, including the development and implementation of 3D modelling workflows and methodological innovation in environmental applications with drones.

c) Leadership and teaching activities in 3D photogrammetry and spatial modelling, including the organisation and delivery of national and/or international workshops and training, specialised courses, and supervision of undergraduate, master's, and/or doctoral students.

9. The position under competition is described in detail in the following paragraphs:

This position is intended for the execution of research activities within the scope of the COLAPA-3D project – Local Co-Management of Limpets Supported by 3D Technology and Traditional

Knowledge (ref. MAR2030-FEAMPA-03512300), coordinated by Dr. Ualerson Peixoto. The COLAPA-3D project proposes an innovative model for coastal monitoring of limpet populations (*Patella* spp.) in the Azores, combining underwater and drone images, 3D photogrammetry, and the local ecological knowledge of harvesters. Based on a transdisciplinary and participatory approach, the project integrates advanced technology and traditional knowledge to analyse spatial patterns, morphometry, and population structure in different ecological and exploitation contexts. In parallel, it incorporates participatory methodologies, such as ecological memory mapping and the co-construction of sustainability indicators, promoting the active involvement of local users in the scientific process. Based on these approaches, the aim is to co-create recommendations for participatory monitoring and adaptive co-management models and to assess their feasibility and applicability at the regional scale. The goal is to strengthen the legitimacy of conservation measures, promote co-responsibility in the governance of marine resources, and develop a scalable solution for Macaronesia and other coastal systems.

10. Selection methods and curricular evaluation criteria:

The evaluation of candidates will be based on the integrated analysis of their scientific and curricular trajectories.

10.1 The evaluation will be based on the candidate's CV, considering the following items:

- Scientific Production (40%):

a) Scientific publications and technical reports (100 points). The number, quality, relevance, and suitability to the thematic area of the competition of scientific publications (articles published or accepted in indexed journals) and technical reports, methodological products and other technical-scientific outputs are evaluated, particularly in the areas of 3D photogrammetry, remote sensing with UAV, spatial modelling, and high-resolution spatial ecology.

No published or accepted articles:.....0 points

1 to 2 published or accepted articles, without direct relation to the area of the competition:
.....20 points

3 to 5 publications and/or technical reports, including at least one work in the area of 3D photogrammetry, UAV or high-resolution spatial ecology:.....50 points

6 to 10 publications and/or technical reports, with adequate thematic relevance and methodological or applied contribution:.....80 points

More than 10 publications and/or technical reports, with direct relevance to the area of the competition and evidence of scientific or applied impact:.....100 points

- Professional Experience (60%):

a) Experience in 3D photogrammetry and UAV data acquisition (30 points): Technical experience in UAV operations, mission planning, photogrammetric processing, generation of orthomosaics, digital surface/terrain models, and three-dimensional reconstruction is evaluated.

No relevant experience:.....	0 points
Occasional participation in 1–2 projects involving UAV or photogrammetric processing:.....	10 points
Regular involvement (1–5 years) in 3D photogrammetry workflows and spatial data production:.....	20 points
Consolidated experience (>5 years) and documented in advanced 3D modelling and environmental applications with UAV:.....	30 points

b) Proven participation in research and innovation projects (20 points): Functions performed (PI, co-PI, team member, or technical manager) and the number of completed or ongoing projects are considered.

No proven participation:.....	0 points
Team member in 1 to 2 projects:.....	5 points
Team member in 3 to 4 projects:.....	10 points
Participation in 5 or more projects:.....	20 points

c) Development and application of methodologies in 3D photogrammetry and spatial analysis (10 points): Involvement in the development, optimization, or standardization of photogrammetric workflows and three-dimensional spatial analysis methodologies is evaluated.

No relevant experience:.....	0 points
Occasional application of holistic methodology in 1 project or study:.....	5 points
Continuous development and application (in 2 or more projects) of recognized holistic methodologies, with published or validated results:.....	10 points

d) Experience in fine-scale spatial ecology (10 points): Experience in high-resolution ecological cartography, habitat characterization, spatial pattern analysis, or microscale ecological modelling is considered.

No proven experience:.....	0 points
Occasional participation in 1 or 2 high-resolution spatial ecology studies:.....	5 points
Consolidated experience (3 or more studies) in fine-scale spatial ecological analysis:.....	10 points

e) Experience in supervision and specialized teaching (10 points): Supervision of students (undergraduate, master's or doctoral) and teaching of courses, workshops, or specialized training, particularly in 3D photogrammetry, are evaluated.

No supervision:.....	0 points
1 to 2 supervisions and/or training activities:.....	5 points

3 or more completed/ongoing supervisions and/or regular teaching in specialized courses or workshops, including those of international scope:.....10 points

f) Experience in one or more programming languages for data manipulation and analysis (R) (10 points): Proven experience in programming languages applied to data analysis is evaluated.

No evidence of use (no certified courses, no reports/articles mentioning R/Python, no repositories/script files):.....0 points

Training or proven use in ≥ 1 project/report:.....2 points

Training or proven use in ≥ 2 publication/report:.....4 points

Training or proven use in ≥ 3 publications/reports:.....6 points

3–5 years of applied and documented use or ≥ 4 or more publications/reports:.....8 points

≥ 5 years of applied and documented use and at least 4 publications/reports:.....10 points

g) Advanced experience in Agisoft Metashape (10 points):

No demonstrated experience:.....0 points

Basic use in 1–2 projects or articles.....5 points

Advanced and documented use (>3 projects/articles), including workflow optimization and quality control:.....10 points

h) Participation in scientific conferences (10 points): Participation in national or international conferences relevant to the areas of the competition is evaluated.

No participation:.....0 points

Participation in 1–2 conferences as participant or poster author:.....5 points

Regular participation (3 or more conferences), including oral communications or invited talks:.....10 points

11. The final classification system for candidates is expressed on a scale from 0 to 100.

12. The jury deliberates through reasoned nominal voting in accordance with the selection criteria adopted and published; abstentions are not permitted.

13. Minutes of jury meetings are drawn up, containing a summary of what occurred, as well as the votes cast by each member and their respective justification, and are made available to candidates upon request.

14. After completion of the application of the selection criteria, the jury proceeds to prepare the ranked list of approved candidates with the respective classification.

15. The final deliberation of the jury is ratified by the highest-ranking officer of the institution, who is also responsible for deciding on the hiring.

16. Formalisation of applications:
 - 16.1 - – Applications are formalised through a request addressed to the Jury President, containing the internal reference (BEPA), full name, parentage, identity card or citizen card number, or civil identification number, tax identification number, date and place of birth, marital status, profession, residence and contact address, including email address and telephone number;
 - 16.2 – The application is accompanied by supporting documents for the conditions set out in points 6 and 7 for admission to this competition, namely: a) copy of certificate or diploma; b) PDF copy of the doctoral thesis and publications; c) detailed curriculum vitae, structured in accordance with the items in points 7 and 8; d) other documents relevant for the evaluation of qualification in a related scientific area; e) brief description of the most relevant scientific activities (max. 1 page), in accordance with point 10.1 of this notice;
 - 16.3 – Applications are submitted in English or Portuguese. Candidates submit their requests and supporting documents, addressed to the Jury President, to the email address ualerson.jp.silva@uac.pt with a copy to silvia.f.martinho@uac.pt, by the last day of the application period, which shall run for 10 working days after publication of the competition in BEPA.

17. Candidates who incorrectly formalise their application or who do not meet the requirements demanded in this competition are excluded from admission to the competition. The jury has the power to require any candidate, in case of doubt, to present supporting documents for their declarations.

18. Candidates who do not obtain a final classification equal to or greater than 60% shall not be admitted filling the position under competition, due to a lack of absolute merit

19. False declarations made by candidates shall be punished in accordance with the law.

20. The list of admitted and excluded candidates, as well as the final classification list, is publicised at the Gaspar Frutuoso Foundation, with the selected candidate being notified by email with a delivery receipt.

21. Prior Hearing and deadline for Final Decision: after publication of the results, candidates have 10 working days to comment. Within the 5 working days following the deadline for the submission of complaints, the jury's final decisions are issued and posted at the Gaspar Frutuoso Foundation. Within a period not exceeding 90 working days, counted from the deadline for the submission of applications, the jury issues its final decisions.

22. This competition is exclusively intended to fill the indicated vacancy and may be terminated until the ratification of the final ranking list of candidates, expiring with the respective filling of the job position on offer; the start of the contract may be postponed depending on the evolution of the COVID-19 situation. The Gaspar Frutuoso Foundation reserves the right not to award the vacancy under competition for reasons attributable to the funding entity.

23. Non-discrimination and equal access policy: the Institute for Research in Marine Sciences — OKEANOS, the University of the Azores, and the Gaspar Frutuoso Foundation actively promote a policy of non-discrimination and equal access, whereby no candidate may be privileged, benefited, prejudiced, or deprived of any right or exempted from any duty on the grounds of, in particular, ancestry, age, sex, sexual orientation, marital status, family situation, economic situation, education, social origin or condition, genetic heritage, reduced working capacity, disability, chronic illness, nationality, ethnic origin or race, territory of origin, language, religion, political or ideological convictions, and union membership.

24. Under Decree-Law no. 29/2001, of 3 February, candidates with disabilities have preference in case of equal classification, which prevails over any other legal preference. Candidates must declare in the application form, on their honour, the respective degree of incapacity, the type of disability, and the means of communication/expression to be used in the selection process, under the terms of the aforementioned decree.

25. Under EU Regulation 2016/679 of 27/04/2016 and Law no. 67/98 of 26/10, the personal data collected by the entity are intended exclusively for recruitment purposes. The personal data collected by the entity through this request are intended to assess whether candidates are suitable for the requested position and to preliminarily calculate the remuneration, bonuses, and benefits of candidates admitted to the recruitment process. The data provided in the request are essential for the selection of candidates and may affect the efficiency and outcome of the respective request if candidates do not provide them. The personal data of unsuitable candidates will be retained by the entity for 5 years for subsequent recruitment purposes. Candidates' applications may be transferred by the entity to its own branches or to consortium entities where job vacancies exist during the above-mentioned period. Candidates have, in accordance with the law, the rights of access and rectification. To exercise the right of access, they must submit a written request to the person responsible at the entity.

Where to apply

E-mail ualerson.ip.silva@uac.pt

Requirements

Research Field Other

Education Level PhD or equivalent

Additional Information

Work Location(s)

Number of offers available	1
Company/Institute	OKEANOS – Instituto de Investigação em Ciências do Mar
Country	Portugal
City	Horta
Postal Code	9901-862
Geofield	






Contact

City	Ponta Delgada
Website	https://fgf.uac.pt/pt-pt
Street	Rua da Mãe de Deus
Postal Code	9500-321

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