

CALL FOR AWARDING RESEARCH FELLOWSHIPS WITHIN PROJECT GRANTS AND R&D INSTITUTIONS

2 Research Fellowship(s) for R&D Initiation (BII)

2 Research Fellowship(s) for R&D Initiation (BII) is(are) open at the **FCiências.ID – Associação para a Investigação e Desenvolvimento de Ciências**, for the project/R&D institution “Centro de Estatística e Aplicações”, “Special support Summer with Science 2022”, funded by the Fundação para a Ciência e a Tecnologia, I.P./MCTES through national funds (PIDDAC) under the programme of Special support for scientific and technological research activities in R&D units, under the following conditions:

1. **Scientific Area:** Statistics, Probability. Applied Mathematics, Data Science.
2. **Requirements for admission:** Completed Secondary Education.
3. **Additional optional skills and qualifications:** Undergraduate student (2nd or 3rd year) in the areas of Mathematics – Probability and Statistics, or in an area of application of Statistics that is the focus of the Scholarship's Work Plan and that demonstrates specific training in the area of Statistics or Master's student in the areas of Mathematics - Probability and Statistics, or in an application area of Statistics that is the focus of the Fellowship Work Plan and that proves specific training in the in the area of Statistics . Availability to develop the work at the Institution where the Advisor performs functions. Experienced in R/RStudio Programming
4. **Contracting requirements:** Presentation of the academic qualifications and/or diplomas. Enrolment in Enrolment in undergraduate or master course as established in item 3.
5. **Work plan:** Stage 1 will be devoted to data pre-processing data: inspection for missing observations and existence of outliers. This is followed by exploratory data analysis, Stage2, where Chl-a, physical variables (sea surface temperature, Ekman transport,), chemical (nutrients) and climatic (North Atlantic North Atlantic Oscillation) will be subjected to various graphical approaches to observe their behaviour between stations and within the stations under study. A analysis and interpretation of these data will provide a detailed description of the evolution of the main water quality characteristics in the coastal region coastal region, from the past to the present. In Step 3, we will mathematical models including several predictor variables will be fitted. A identification of the factors/variables that are related to water quality and quality and how they relate within each study site will be considered when constructing the model. The final model will give information, such as which variables have a high impact/influence on impact/influence on Chl-a, and relate to the water quality of each station. Through this approach, it is intended to contribute to coastal water monitoring programmes.
6. **Legislation framework:** Research Fellowship Holder Statute, in accordance with Law 40/2004, of 18 August, in its current version and the FCT Regulation for Research Studentships and Fellowships, in its current version (Reg. 950/2019 published in DR on 16th December: <https://dre.pt/application/file/a/127230968>, or at the FCT website: <https://www.fct.pt/apoios/bolsas/regulamento.phtml.pt>), and FCiências.ID Fellowship Regulation, as approved on 12th May 2020 (available at [Regulamento de Bolsas de Investigação Científica da FCiências.ID](#)).
7. **Place of work:** The work will be developed at the Centro de Estatística e Aplicações (CEAUL) under the scientific supervision of Professor Clara Cordeiro (UALG & CEAUL), Sónia Cristina (CIMA) e Soraia Pereira (FCUL & CEAUL).

CALL FOR AWARDING RESEARCH FELLOWSHIPS WITHIN PROJECT GRANTS AND R&D INSTITUTIONS

8. **Fellowship duration:** This position is initially opened for 1 month due to start in September 2022.
9. **Monthly allowance:** The fellowship amounts to € 486,12 ,according to [table values](#) of the fellowships awarded directly by the FCT, IP. The fellowship holder will have a personal accident insurance and can ensure the right to social security through adherence to the voluntary social insurance scheme, if not covered by any other social protection scheme, pursuant to *Código dos Regimes Contributivos do Sistema Previdencial de Segurança Social*. The fellowship will be paid monthly by bank transfer.
10. **Evaluation and selection process:** Candidates will be assessed by Curriculum Evaluation (60%), interview (30%) and motivation letter (10%). Applicants whose application is scored with a final classification of less than 60 points are not eligible for granting a fellowship.
11. **Selection Committee:** Professora Doutora Soraia Pereira – Committee President do Júri; Professor Doutor Tiago A. Marques – Vogal; Professora Doutora Clara Cordeiro – Vogal; Professora Doutora Lisete Sousa - Substitute ; Professora Doutora Carina Silva – Substitute
12. **Publication/notification of results:** All the candidates will be notified by e-mail, sent by the call holder, with the selection meeting minutes enclosed.
13. **Deadlines:** This call for applications is open from 18/07/22 to 22/07/2022 .
14. **Application:** Applications should be sent via e-mail to ceaul@fc.ul.pt, by attaching the following documents:
- Curriculum vitae - **CV may be provided in PDF or through the [CIÊNCIAVITAE](#) system;**
 - Certificate of completion of previous degree;
 - Motivation letter
15. **Time limits for the appeal procedure:** In case of negative decision, the candidates have 10 business days, after the date of announcement of the results of the candidates evaluation, to pronounce their disagreement in accordance with the *Código do Procedimento Administrativo*. Appeals against the final decision may be submitted to the Administration Board of FCiências.ID (fciencias.id@fciencias-id.pt) within 15 business days after the notification date

Note 1: The documents that prove the entitlement of the academic qualifications and diplomas, or the proof of registration in the academic degree or diploma requested on the call, can be dismissed during the application period and replaced by a declaration on their honour from the applicant. Their delivery is mandatory for the fellowship contractualization.

Note 2: Please note that - higher education degrees and diplomas awarded by foreign higher education institutions need to be recognized by a Portuguese higher education institution, pursuant to the [Decree-Law nr. 66/2018](#) (August 16) and the [Ministerial Order nr. 33/2019](#) (January 25). The presentation of the recognition certificate is mandatory for contract signature. More information can be obtained at: <https://www.dges.gov.pt/en/pagina/degree-and-diploma-recognition>.