

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

1 Research fellowship (BI) for Master student

1 Research Fellowship(s) (BI) for Master student is(are) open at the **FCiências.ID – Associação para a Investigação e Desenvolvimento de Ciências**, for the project/R&D institution “Transporte de humidade para extremos hidrológicos num clima em mudança”, “DRI/India/0098/2020”, funded by the Fundação para a Ciência e a Tecnologia, I.P./MCTES through national funds (PIDDAC) under the programme SR&TD Projects Portugal-India, under the following conditions:

- 1. Scientific Area:** Earth Sciences
- 2. Requirements for admission:** First degree in Meteorology, Oceanography and Geophysics. The candidate must have previous experience with meteorological and climatological databases, as well as good programming skills. The candidate must also have a good command of the English language.
- 3. Additional optional skills and qualifications:** 1) Proven experience in Matlab or Python programming languages; 2) Knowledge in acquisition and processing of data from Reanalysis and satellite imagery.
- 4. Contracting requirements:** Presentation of the academic qualifications and/or diplomas. Enrolment in Master's Degree in Geophysical Sciences.
- 5. Work plan:** The main objective of the work plan will be to help the project team to achieve the goals defined in the AMOTHEC project, including: to understand the anomalous transport of moisture in extreme weather events for two different climatic regions (Indian Monsoon vs Mediterranean), both frequently affected by hydrological extremes. The work plan consists of the following activities: a) construction of a repository of available databases needed for subsequent tasks, b) delimitation of homogeneous regions of extreme precipitation for India and the Iberian Peninsula will be carried out using different databases resolution, c) quantification of precipitation events using a ranking method for homogeneous regions in India and the Iberian Peninsula.
- 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 Laboratório Associado Instituto Dom Luiz (IDL) under the scientific supervision of Professor Ricardo Machado Trigo.
- 8. Fellowship duration:** This position is initially opened for 6 months due to start in September 2022. The fellowship contract may be potentially renewed for until the end of the project, in accordance with the provisions of Regulation of Research Fellowships from the Foundation for Science and Technology, I.P and FCIências.ID Fellowship Regulation.
- 9. Monthly allowance:** The fellowship amounts to € 875,98, according to [table values](#) of the FCIências.ID Fellowship Regulation.. The fellowship holder will have a personal accident insurance and can ensure the right to

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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 the quality of their CV 10 (out of 20 points) and experience with acquisition and manipulation of large databases (4 out of 20 points), good command of the English language (2 out of 20 points), programming experience (4 out of 20 points).

Applicants whose application is scored with a final classification of less than 10 points are not eligible for granting a fellowship.

11. **Selection Committee:** Professor Doutor Ricardo Trigo (Presidente), Professor Doutor Carlos da Camara (Vogal), Professor Doutor Pedro Soares (Vogal), Doutor Alexandre Ramos (alternate), Professor Doutor Carlos Pires (alternate)

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 14/07/2022 to 31/07/2022 .

14. **Application:** Applications should be sent via e-mail to rmtrigo@fc.ul.pt, by attaching the following documents:

- a. Curriculum vitae - **CV may be provided in PDF or through the [CIÊNCIAVITAE](#) system;**
- b. Certificate of completion of previous degree;
- c. Motivation letter;
- d. Certificate of qualifications and training mentioned in the CV, including a list of the marks obtained in the Degree and supporting documents considered relevant.

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>.

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