

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

1 (one) Research Fellowship (BI) for a BSc enrolled in Master degree or in a non-degree course

1 Research Fellowship(s) (BI) is(are) open at the **FCiências.ID – Associação para a Investigação e Desenvolvimento de Ciências**, for the project/R&D institution “Centro de Química Estrutural”, “UIDB/00100/2020”, funded by the Fundação para a Ciência e a Tecnologia, I.P./MCTES through national funds (PIDDAC) under the programme Estrategic Programme, under the following conditions:

1. **Scientific Area:** Chemistry, Technological Chemistry, and related fields.
2. **Requirements for admission:** The candidates must have completed a degree in Chemistry, Technological Chemistry or related fields, and have relevant knowledge in the area of carbon materials and adsorption processes. The candidates must have completed the BSc degree in the last 3 years and have good spoken and written knowledge of Portuguese and English.
3. **Additional optional skills and qualifications:** The experience in biomass carbonization processes by conventional and innovative pathways, as well as experience in the characterization of texture, surface chemistry, morphology, and physicochemical properties of the materials obtained will count positively in the evaluation. It will also be considered a positive factor the inscription is a Master's degree or the intention of the student to enrol in a Master's degree and develop work within this theme in a future Master's thesis.
4. **Contracting requirements:** Presentation of the academic qualifications and/or diplomas. Enrolment in a Master degree or in a non-degree course developed in association or cooperation between a High Education Institution and one or multiple research units (in Portugal).
5. **Work plan:** The general objective of this grant is the valorisation of abundant biomass in Portugal, marine invasive species such as macroalgae or terrestrial such as acacia, through its evaluation as a precursor to obtaining carbon materials by carbonization processes (conventional, hydrothermal or acid-mediated) followed, or not, by activation processes. The student will characterize the materials obtained (texture, surface chemistry, morphology, and physicochemical properties) and evaluate possible applications (improvement of soil quality and/or as adsorbent in liquid phase).
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>), 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 Química Estrutural from Faculdade de Ciências da Universidade de Lisboa (FCUL) under the scientific supervision of Professor Ana Sofia Mestre.
8. **Fellowship duration:** This position is initially opened for 3 months due to start in April 2023.
9. **Monthly allowance:** The fellowship amounts to € 930.98, 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.

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10. **Evaluation and selection process:** Candidates will be assessed by a) Cover letter with a brief description of the candidate's motivation (15%); b) CV, considering the diploma and previous training, including results of completed curricular units and the relevance of this training to the project (50%); c) Relevance and adequacy of the research and previous experience for the work plan (35%) and possibly a selection interview. If the jury chooses to conduct the selection interview, it will be held to the 2 candidates with the highest ranking. In this case the final evaluation will be 10% for the cover letter and motivation, 45% for the CV, 30% for the previous experience, 15% for the selection interview. The jury reserves the right not to award the scholarship if the profile of the candidates does not meet the minimum qualities for the execution of the work plan.
Applicants whose application is scored with a final classification of less than 70 points are not eligible for granting a fellowship.

11. **Selection Committee:** Ana Sofia Mestre (Presidente), Ana Paula Carvalho (Vogal efetivo), Alice Martins (Vogal efetivo), Marta Andrade (Vogal Suplente) e Joana Silva (Vogal Suplente).

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 23/03/2023 to 05/04/2023 .

14. **Application:** Applications should be sent via e-mail to asmestre@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. Cover letter with a brief description of the candidate's experience and motivation.

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>.