

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

1 (one) Research Fellowship (BI) for a MSc Student or a BSc enrolled 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 “Exploring new hybrid titanate nanotubular materials as UV shields for sustainable applications/IMS-Centro Química Estrutural - FCUL”, “2022.06165.PTDC”, funded by the Fundação para a Ciência e a Tecnologia, I.P./MCTES through national funds (PIDDAC) under the programme Call for R&D Projects in All Scientific Fields - 2022, under the following conditions:

- Scientific Area:** Chemical Sciences, Engineering and Materials Sciences
- Requirements for admission:** Candidates must have a degree in Chemistry, Chemical or Materials Engineering or related areas.
- Additional optional skills and qualifications:** Previous R&D activity, namely in the synthesis and characterization of nanoparticles; Knowledge of analytical techniques used in the characterization of nanostructured materials (e.g. XRD, DRS, XPS, etc.), namely in terms of data processing and analysis; Experience in carrying out photocatalytic tests, preferably when applied to the removal of emerging pollutants; Knowledge of analytical techniques used in advanced photo-oxidation processes.
- Contracting requirements:** Presentation of the academic qualifications and/or diplomas. Enrolment in master's degree, or integrated master's degree or non-degree course developed in association or cooperation between a High Education Institution and one or multiple research units.
- Work plan:** The work plan to be carried out includes the following tasks:
1) Development of new strategies for modifying titanate nanotubes using biomass and study of the impact of functionalisation on the optical and photocatalytic properties of the obtained materials; 2) Photocatalytic and photo-protective evaluation of the nanomaterials produced;
The work to be carried out is part of a multidisciplinary team and implemented in partnership with the other members of the team.
The work plan is included in task 1 (Development of new strategies to modify TNTs using biomass), task 2 (Photocatalytic performance evaluation studies) and task 3 (Identification and quantification of intermediates formed in aqueous media) of the project TNT4UV: Exploring new hybrid titanate nanotubular materials as new UV-shields for sustainable applications (ref. 2022.06165.PTDC).
- 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](https://www.fciencias.id/regulamento-de-bolsas-de-investigacao-cientifica-da-fciencias.id)).
- Place of work:** The work will be developed at the IMS – Centro Química Estrutural – FCUL, Departamento de Química e Bioquímica da Faculdade de Ciências da Universidade de Lisboa under the scientific supervision of Professor Olinda Coelho Monteiro.
- Fellowship duration:** This position is initially opened for 3 months due to start in October 2023. 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.

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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.

10. **Evaluation and selection process:** Candidates will be assessed by
a) Curriculum evaluation - 45%; b) Motivation letter -10%; c) Relevance of previous experience - 45%;
If considered necessary by the jury, interviews may be held with the 2 (two) best candidates;
If there is an interview, the sum of the evaluations obtained in the evaluation criteria a), b), c) will correspond to 80% of the final classification and the interview to 20%
Applicants whose application is scored with a final classification of less than 50 points are not eligible for granting a fellowship.

11. **Selection Committee:** Olinda Coelho Monteiro (president), Virgínia Ferreira (Effective member), Carla D. Nunes (Effective member), Beatriz Barrocas (Alternate member) and Ana S. Mestre (Alternate member).

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 06/10/2023 to 19/10/2023 .

14. **Application:** Applications should be sent via e-mail to ocmonteiro@ciencias.ulisboa.pt, by attaching the following documents:

- Curriculum vitae;
- Certificate of completion of previous degree ^{Note 1, 2;}
- Motivation letter;.
- Other relevant documents.

15. **Processing of personal data:** FCIências.ID – Associação para a Investigação e Desenvolvimento de Ciências, as the controller under the General Data Protection Regulation, collects and processes the personal data requested in the context indicated in paragraph 14., under the legitimate interests in ensuring the award of the research fellowship to candidates with the indicated profile.

The personal data will be kept for the period necessary for the execution of the purposes for which they are intended, being ensured the processing and protection in an appropriate and diligent way, the confidentiality and integrity of these data, through appropriate technical and organizational measures.

Personal data may be transmitted to third parties, namely the entity funding the research project, solely for the purposes specifically established. In this sense, whenever the transfer of personal data to countries outside the European Union and/or international organizations is necessary, compliance with the applicable legal provisions is ensured.

You have the right to request access, rectification, elimination, limitation of processing, the right to object and also data portability (if technically feasible), through the e-mail address: dpo@fciencias-id.pt. You also have the right to lodge a complaint with the National Data Protection Commission.

For more information, we recommend consulting the Internal Rules of Data Protection of FCIências.ID - Association for Research and Development of Sciences at <https://fciencias-id.pt/>.

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16. **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 can be dismissed during the application period and replaced by a declaration on their honour from the applicant ([Minuta PT](#), [Minute EN](#)). 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>.