U.PORTO
FEUP FACULDADE DE ENGENHARIA
UNIVERSIDADE DO PORTO

**1 Research Grant Announcement (M/F)**

Call open for applications for a research grant within the framework of the research project DRopH2O - Drinking water quality: early warning and removal of microcontaminants by innovative carbon-based materials, reference 2022. 08738.PTDC with DOI 10.54499/2022.08738.PTDC (https://doi.org/10.54499/2022.08738.PTDC ) funded by national funds (PIDDAC) through FCT/MCTES, under the following conditions:

**Scientific Area**: Chemical Engineering.

**Admission requirements**: Candidates who cumulatively meet the following requirements may apply for this grant:

**Requirement 1:**

- To be a student enrolled in a master degree or integrated master or in an integrated master's program who has already completed the 180 credits corresponding to the first six curricular semesters in the area of Chemical Engineering, requirement to be proven at the time of signing the contract.

or

- Holder of an academic degree enrolled in a non-academic degree course integrated in the educational project of a higher education institution, developed in association or cooperation with one or more R&D units, requirement to be proven at the time of signing the contract.

*Note: In the case of degree holders who are enrolled in non-academic degree courses, the scholarship can only be awarded to those who do not exceed, with this scholarship contract, including possible renewals, an accumulated period of two years in that typology of the scholarship, followed or interpolated.*

**and**

**Requirement 2:**

Hold a bachelor's degree in Chemical Engineering or related areas.

*If the degree has been awarded by a foreign higher education institution, it must comply with the provisions of the Decree-Law no. 66/2018, of august 16th, and any formalities established there must be fulfilled until the time of signing the contract.*

**Activity Outline:** (i) Development and validation of analytical methods, based on liquid (and/or gas) chromatography coupled to mass spectrometry, for the quantification of chiral and achiral organic contaminants in aqueous matrices – Task 1; (ii) Develop a monitoring plan to analyze target contaminants at each stage of the water cycle (from source to tap) – Task 2; (iii) Analyze drinking water samples before and after treatment processes based on carbon materials to assess the removal of the contaminants under study – Tasks 3 and 4.

**Legislation and regulations:** Law Nº. 40/2004, of 18th August, in its current wording (Statutes of Scientific Research Fellow) and Regulation of Research Grants of *Fundação para a Ciência e a Tecnologia*, in force https://www.fct.pt/financiamento/programas-de-financiamento/bolsas/ and Regulation of Research Grants of University of Porto, in force.

**Work place**: The work will be developed at the Department of Chemical and Biological Engineering of the Faculty of Engineering of the University of Porto (FEUP), under the scientific supervision of Professor Adrián Manuel Tavares da Silva and Doctor Ana Rita Lado Teixeira Ribeiro.

**Grant duration**: Initial duration of 4 months, with the predicted starting date in September 2025, on an exclusive basis, eventually renewable but never exceeding the project duration.

If it is not possible to ensure the duration of 4 months estimated in the previous paragraph, this duration will be adjusted according to the end date of the project, and provided that the minimum duration of 3 consecutive months is guaranteed, in accordance with paragraph 3 of article 6 of the Research Grant Regulations of the Foundation for Science and Technology, I.P.

The eventual renewal of the scholarship will be carried out as determined in article 6 of the Research Grants Regulation of the Foundation for Science and Technology, I.P.

**Stipend**: The grant stipend amounts to 1040.98 € according to the table of values of the grants awarded directly by FCT, I.P. in the Country (https://www.fct.pt/financiamento/programas-de-financiamento/bolsas/ ). The payment will be made by bank transfer.

**Selection procedure**:

Curricular evaluation that will focus on the merit of the candidate and the following criteria will be valued:

1. Academic training in the area of Chemical Engineering - 5 points; related areas – 2 points; other areas - 0 points;
2. Academic training classification: average equal or higher than 15/20 - 5 points; average equal to 14/20 - 4 points; average equal to 13/20 - 3 points; others - 0 points;
3. Laboratory experience in the development of analytical methods based on solid-phase extraction (SPE) and high-performance liquid chromatography with tandem mass spectrometry (HPLC-MS/MS) for determination of organic micropollutants in surface and drinking waters - up to 5 points; laboratory experience in other areas - 1 point; no laboratory experience - 0 points.

The two best-ranked candidates in the curricular evaluation that have achieved thirteen (13) or more points, according to the above criteria, will be called for an interview. This will have an additional score of up to 5 points.

If the minimum score of 16 points is not reached by any of the candidates, the scholarship may not be awarded.

**Selection Jury**:

President: Professor Adrián Manuel Tavares da Silva

Effective member: Doctor André Tiago Torres Pinto

Effective member: Doctor Daniela Maria Vilaça Pereira

Supplementary member: Doctor Maria José Fernandes Sampaio

Supplementary member: Doctor Cátia Alexandra Leça Graça

**Advertisement of final decision**: The results of the evaluation will be released to the candidates by email to the email address indicated in the application process.

**Deadline for applications and form of presentation of the applications**:

The call is open from **03-09-2025 to 16-09-2025** (until 23h59m, GMT time).

Applications must be formalized by email to adrian@fe.up.pt and to recursoshumanos@fe.up.pt , clearly stating the reference **FEUP-DRopH2O-BI-2025** and including the following pdf documents:

- Motivation letter;
- detailed Curriculum Vitae,
- Copy of certificates evidencing academic degree (referring courses grades);
- Declaration on honor that the candidate fulfills the requirement contained in article 6 of the Regulation for Research Grants of the Foundation for Science and Technology, I.P. (model below, in case of student enrolled in a non-academic degree course integrated in the educational project of a higher education institution, developed in association or cooperation with one or more R&D units) and other documents considered relevant by the applicant.
- Other documents considered relevant by the candidate.

Declaration on honour

I, (identification of the scholarship holder), holder of the Citizen Card / Visa / Residence Permit no. valid until _____, declare under honour, to be in the conditions of no. 5 of article 6º of the Research Grants from FCT, IP - Regulation No. 950/2019, of 16 December.

Oporto, __/__/__

Signature

_____

(scholarship holder)