



## Mediterranean Institute for Agriculture, Environment and Development

### Research Scholarship (BI) – 1 Grant

2 of September of 2021

A call for tenders is open for 1 Research Grant (BI) for graduate of the project LIFE BIOAs - *“Removal of As from water using innovative BIO-adsorbents produced from by products of the agro-industrial sector”*, with the reference *LIFE19 ENV/IT/000512* financed by the “LIFE Programme” of the European Union.

**Scientific area:** Chemistry, Environment, Biochemistry, Materials, Geology, and related areas.

**Admission requirements:** Candidates should hold a university degree in Chemistry, Environment, Biochemistry, Materials, Geology, or related fields. Attendance of a master’s degree and, in particular, the preparation of a dissertation in the context of the work to be developed will be an advantage. Curricular and extracurricular training in the fields of adsorption in liquid phase, lignocellulosic materials, composites, water analysis, research experience, publications, participation in congresses and others will also be considered.

As set forth FCT Research Scholarship Regulation No. 950/2019 of December 16, 2019, article 3 and 6, candidates for “BI” must comply as a rule condition for the award of the scholarship, the effective inclusion in study cycles leading to the attribution of academic degrees or in courses not leading to an academic degree. Courses that do not confer an academic degree correspond to the courses provided for in subparagraph e) of paragraph 3 of article 4 of Decree-Law No. 74/2006 of 24 March and must be developed in a higher education institution in association with at least one R&D unit, including a course plan in one or several research areas of the unit.

**Work plan:** The established plan is based on the implementation actions of the project, namely in the demonstration activities related to:

- 1- Production of bioadsorbents;
- 2- Efficiency tests;
- 3- Water treatment with bioadsorbents.

The work to be carried out should contribute to achieving the following project objectives:

- 1- Tuning the process of preparation and production of bioadsorbents;
- 2- Preparation and optimization of the operation of the portable unit for water treatment;
- 3- Using the portable unit in selected sampling sites;

- 4- Carrying out water characterisation analyses before and after treatment in the unit;
- 5- Participation in the preparation of progress reports, in the dissemination activities and in the publication of scientific papers of the project.

**Applicable legislation and regulations:** The granting of the Research Scholarship will be carried out upon the signing of a contract between the University of Évora and the scholarship holder, as set in the template [https://www.fct.pt/apoios/Minuta\\_Contrato\\_Bolsa.docx](https://www.fct.pt/apoios/Minuta_Contrato_Bolsa.docx), pursuant to the Research Scholarship Statute (Law No. 40/2004 of August 18 and Decree-Law No. 123/2019 of August 28) and in accordance with the legislation and Regulation of Research Grants of the Foundation for Science and Technology, IP in force, regulation nº950/2019 of December 16, 2019 <https://www.fct.pt/apoios/bolsas/regulamento.phtml> and other applicable rules.

**Place of work:** The work will be carried out on the University of Évora campus and/or in external locations, when required by the work plan, namely in tasks such as transport and installation of the treatment unit, sample collection or analysis in sampling sites, among others. At the University of Évora, most of the work will take place at the Chemistry Department and at the MED, under the scientific supervision of Doctor Paulo Alexandre Mira Mourão.

**Duration of the scholarship(s):** The scholarship will have a duration of 6 months, starting in October 2021. The fellowship contract may be renewed until the end of the funding project's budget allocation and based on the best fit to the proper pursuit of the objectives.

**Amount of monthly maintenance allowance:** The amount of the scholarship corresponds to € 835,98, according to the table of scholarships awarded directly by FCT, I.P. in Portugal (<http://fct.pt/apoios/bolsas/valores>), payments being made monthly, by check or bank transfer.

**Selection methods:** The selection methods to be used will be:

- A - Curriculum evaluation (A1 - final classification and A2 - classification in disciplines considered essential to the subject of the project);
- B - Professional experience;
- C - Scientific production;
- D - Motivation letter.

The respective evaluation will correspond to a classification defined by the following formula:

$$\text{Final Classification} = (0,55 \times A1) + (0,15 \times A2) + (0,125 \times B) + (0,125 \times C) + (0,05 \times D)$$

**Composition of the Selection Jury:**

President: Inv. Doutor Paulo Alexandre Mira Mourão

1º Effective – Prof. Doutor Isabel Pestana Paixão Cansado

2º Effective – Prof. Doutor José Eduardo dos Santos Félix Castanheiro

1º Alternate – Prof. Doutor Jorge Ginja Teixeira

2º Alternate – Prof. Doutor António Paulo da Silva Teixeira

**Advertising/notification of results:** The final results of the evaluation will be publicized, through an alphabetical ordered list posted in a visible and public place of the Chemistry Department of the University of Évora, being the candidate (a) approved notified via by email.

To ensure the right of prior hearing of interested parties, the Final Classification project will be announced by any written means to all interested parties.

After communicating the provisional list of the results of the evaluation, candidates have a period of 10 working days to express their opinion in a preliminary hearing of interested parties.

**Application deadline and submission of applications:** The tender is open from 6 to 24 of September 2021 and the results of the selection will be published by 29 of September 2021.

Applications must be formalised by sending a letter of application accompanied by the following documents: letter of motivation, curriculum vitae, qualification certificate(s) (stating the final classification and, preferably, the classifications obtained in all the disciplines completed), letter(s) of recommendation and other relevant supporting documents.

For the purposes of application, the evidence may be replaced by a declaration of honor signed by the candidate, but the failure to demonstrate that evidence, in the contracting phase, possession of the required degree on the deadline for application or the non-presentation of proof of enrollment in the study cycle or non-degree course, for scholarships with this component, imply the cancellation of the candidate's application.

Academic degrees obtained in foreign countries require registration by a Portuguese Institution in accordance with Decree-Law no. 66/2018, of August 16 and Ordinance No. 33/2019, of January 25th.

The presentation of the certificate is mandatory for the signing of the contract. More information can be obtained at: <https://www.dges.gov.pt/pt/pagina/recognition?plid=374>

Applications must be sent by email to:

Inv. Doutor Paulo Alexandre Mira Mourão  
Universidade de Évora, Escola de Ciências e Tecnologia  
Departamento de Química & MED  
Rua Romão Ramalho, 59  
Colégio Luís António Verney  
7000-671 Évora, Portugal

e-mail: [pamm@uevora.pt](mailto:pamm@uevora.pt)

