

## RENEWABLE ENERGIES CHAIR

### RESEARCH SCHOLARSHIP FOR BACHELOR DEGREE – 1 POSITION

**21 of December of 2021**

A call for tenders is open for 1 Scholarship for bachelor degree, within the scope of the project INIESC CONNECT, funded by Alentejo2020 programme, n.º ALT20-03-0145-FEDER-000046, under the following conditions:

**Scientific area:** Earth and Environmental Sciences

**Admission requirements:**

- Bachelor's in Chemical Engineering, Environmental Engineering, or other scientific area as Geology, if related with earth and environmental studies;
- Attendance to a certified master's;
- Knowledge in the field of wastewaters treatment processes;
- Knowledge on the inland water bodies status assessment, including the issues related with emerging contaminants as pharmaceutical compounds;
- Prior working experience in laboratorial context;
- Preferable with knowledge of English and Spanish.

As set forth FCT Research Scholarship Regulation No. 950/2019 of December 16, 2019, article 3 and 6, candidates for “BI” (Research Grants) 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 work plan foreseen for the Scholarship is related to the activities of the INIESC CONNECT project, activity A8.1 – Comunidades energeticamente autónomas, in the scope of the demonstration of new concepts of energetic autonomous communities and includes:

- Solar resource characterization in the reactor installation area – Herdade da Mitra;
- Detailed characterization of the photoreactor and of the solar photocatalysis process;
- Analytical methodologies optimization for the evaluation of the parameters involved in the degradation of the pharmaceutical compounds;
- Assessment of the reactor in the pharmaceutical compounds degradation;

- Economic analysis of this effluent treatment process with direct use of the solar radiation;
- Support in the production of project reports and deliverables.

**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.pt> and other applicable rules.

**Work Place:** The work will be developed at the Renewable Energies Chair of the University of Évora, under the scientific guidance of Doctor Maria Helena Novais and Doctor Diogo Canavarro, at the facilities of the Renewable Energies Chair at the Polo da Mitra of the University of Évora.

**Duration of the scholarship:** The scholarship will have a duration of 6 months, starting on march 2022, eventually renewable.

**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 the following:

**Academic Qualifications: 45%**

Classification: 50%

Adequacy: 50%

**Curriculum Analysis: 40%**

Scientific Activity: 50%

Experience in requested topics: 50%

**Interview: 15%** (may be online)

**Composition of the Selection Jury:**

President - Dr. Diogo Canavarro: Investigador Auxiliar da Cátedra Energias Renováveis - Universidade de Évora

1st Vogal - Dra. Maria Helena Novais: Investigadora do Laboratório da Água da Universidade de Évora

2nd Vogal - Dr. Luís Fialho: Investigador Auxiliar da Cátedra Energias Renováveis - Universidade de Évora;

1st Suplente - Dr. Afonso Cavaco: Investigador da Cátedra Energias Renováveis - Universidade de Évora;

2nd Suplente - Dr. Radia Ait El Cadi: Investigadora da Cátedra Energias Renováveis - Universidade de Évora.

**Advertising/notification of results:** The final results of the evaluation will be publicized, through a list sorted by final grade posted in a visible and public place at the University of Évora (Renewable Energies Chair, Polo da Mitra), and the selected candidate will be notified 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 22th of December of 2021 to 7<sup>th</sup> of January of 2022 and the results of the selection will be published by 12<sup>th</sup> of January of 2022.

Applications must be formalized, obligatorily, by sending an application letter with the following documents: ***Curriculum Vitae, certificate of academic qualifications and other supporting documents considered relevant.***

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:

Renewable Energies Chair of the University of Évora  
email: [catedraer@uevora.pt](mailto:catedraer@uevora.pt)

Cofinanciado por:

