

PUBLIC NOTICE FOR A RESEARCH SCHOLARSHIP

Reference: CERNAS/1/2022 - UIDB/00681/2020

IPC/ i2A is now accepting applications to award 1 Research Scholarship (BI) within the scope of the project “**Alternative approaches to the treatment of swine and bovine effluents**”, with the support of the R&D institution CERNAS - Research Centre for Natural Resources, Environment and Society, as follows:

1-The aim of the Research Scholarship is to follow the next Project Tasks:

- Characterization of the state of the art on effluent treatment systems of swine and bovine farms;
- Experimental design of the pilot reactor and laboratory tests;
- Execution of the Laboratory work to analyse and characterise the effluents;
- Statistical analysis and treatment of results, including the laboratory results;
- Study of possibilities of the reuse of these effluents after treatment;
- Support in the dissemination activities of the project and its results.

A quarterly report of the activities carried out and the results obtained will be requested.

Scientific Areas: Environmental Engineering, Biological Engineering, or related areas.

2-Requirements:

- Degree in Environmental Engineering and related areas (to be proven with diploma or declaration of the entity that conferred the degree - the non-presentation of a proof implies non-admission to the scholarship competition);
- With experience in environmental studies and projects, namely in the treatment of effluents, preferably livestock effluents;
- Having active enrolment as a higher education student (not submitting a proof implies non-admission to the scholarship contest):
 - in an integrated master's, master's or doctorate, aimed at consolidating their scientific training through the development of research work leading to the respective academic degree
 - In non-academic degree courses
- Have knowledge of oral and written English;
- Competence for teamwork.

3-Work Plan:

The work plan will be developed at the Escola Superior Agrária de Coimbra, of the Polytechnic Institute of Coimbra, within the scope of the project. The researcher will develop (i) experimental work, associated

with the monitoring of the pilot reactor (ii) laboratory work, to support the analysis of effluent samples; (iii) analysis of the results obtained; (iv) support for the development of tasks to publicise and disseminate the project; (v) support for the production of publications, including scientific articles.

4-Scholarship Length:

The scholarship is for 6 months, with the possibility of renewal for another identical period of time, on an exclusive basis and without subsequent renewals, in accordance with the Regulation of Research Grants of the Fundação para a Ciência e Tecnologia, I.P. The Scholarship is scheduled to begin in July of 2022.

5-Monthly Maintenance Allowance:

875,98 euros, according to the table of scholarship amounts awarded by FCT to positions held in Portugal (www.fct.pt/apoios/bolsas/valores). The payment will be made by bank transfer.

To this amount is added to the voluntary social insurance corresponding to the first tier, if the applicant so chooses to register, and a workplace accident insurance contract for personal accident insurance.

6-Workplace:

The work will be developed mainly at the Escola Superior Agrária de Coimbra, of the Polytechnic Institute of Coimbra, under the scientific guidance of Professor Carla Rodrigues and Professor Roberto Costa.

7-Selection Criteria:

The criteria for evaluating applications are as follows:

- Curricular evaluation and interview (50%);
- Experience in the area of effluent treatment (15%);
- Experience in writing technical reports or scientific dissemination (10%);
- Experience in laboratory techniques and work (15%);
- Teamwork experience (5%);
- Motivation of the candidate to participate in the project (5%);

8-Jury of Selection:

The jury responsible for the selection process is composed by PhD Professors 3 effectives and 2 substitutes

Effectives:

- Professor Carla Rodrigues (President)
- Professor R. Plácido Roberto da Costa
- Professor Maria Filomena Parreira Miguéns

Substitutes:

Professor Maria do Carmo Horta
Professor José Vicente Ferreira

9-Mandatory Documents:

The applications must include the following documents:

- Proof of bachelor's degree;
- Proof of enrolment as a higher education student;
- Letter of motivation of the candidate addressed to the President of the jury;
- Curriculum vitae dated and signed;
- Identification, residence, identification number and tax identification number;
- A photocopy of the certificates of qualifications and evidence of technical/professional experience.

None of the previously referred documents can be submitted after the deadline presented in this scholarship offer.

10-Deadline of Applications Submission:

The application period will be of 10 working days, starting on 29/06/2022 and ending on 13/07/2022.

Applications should be sent by email to bolsas.investig@ipc.pt, indicating the fellowship reference (mandatory): **CERNAS/1/2022 - UIDB/00681/2020**.

11-Legislation and applicable Regulation:

The award of this scholarship is based in the Law 40/2004, of the 18th of August (Estatuto do Bolseiro de Investigação Científica), changed and republished by the Decree-Law 202/2012, of the 27th of August, updated by: Decree-Law 233/2012, Law 12/2013, Decree-Law 89/2013 and Decree-Law 123/2019; the Regulation of the research scholarships from the Fundação para a Ciência e a Tecnologia, I. P. and the Regulation of the Research Scholarships from Coimbra Polytechnic Order nº 5963/2020

12-Information of Results:

The final results of the evaluation will be published, through a list ordered alphabetically, by final note obtained, posted in a visible and public place at the Agrarian School of Coimbra of the Polytechnic Institute of Coimbra, showcase allocated to ESAC Human Resources, in Block B, and all candidates notified, for the purpose of prior hearing of interested parties, by e-mail.

According to the terms of the Administrative Procedure, the applicants will have 10 working days, after the release of the results, to pronounce themselves under the frame of the prior hearing of the interested parties if they so decide.

If the result is unfavorable to the granting of the requested scholarship, the candidates have a period of 10 working days, after the disclosure of results, to give their opinion, wanting, in the pre-hearing of interested parties, in accordance with the provisions of the Code of Administrative Procedure.

Where the number of interested parties to be heard is so high that the prior hearing of interested parties becomes impractical, it is replaced by public consultation, carried out in accordance with the terms and within the time limits set out in Article 37(2) of Decree-Law No. 63/2019 of 16 May. The final decision shall be taken no later than 60 working days after the conclusion of the prior hearing of interested parties or public consultation.

A complaint may be lodged within 15 working days or appeal to the President of the IPC within 30 working days, both after notification.

For further information please contact:

For more information, contact Professor Carla Rodrigues, by e-mail: carlar@esac.pt indicating the reference of fellowship (mandatory): **CERNAS/1/2022 - UIDB/00681/2020**.

Coimbra, June 2022.