

## NOTICE

### **ANNOUNCEMENT OF A RESEARCH SCHOLARSHIP FOR LICENCE DEGREE (BI) Reference IPC-IIA/Carb2Soil/BI\_Lic.1**

#### **Internal Reference: PRBI/4/2025**

A contest is open for the award of a Research Scholarship (BI) within the scope of the project “Carb2Soil: Reinforcing Complementarity between agriculture and livestock to increase soil fertility and its carbon sequestration capacity”, from the Institute Polytechnic of Coimbra, with the operation code PRR-C05-i03-I-000030, of Notice no. 3/C05-i03 - IE 3 “Mitigation of Climate Change” of the national application program PRR (Recovery and Resilience Plan) and financed by IFAP through the PRR Program.

#### **The purpose of the scholarship will be to implement and develop the following activities:**

- 1- Analysis of waste collection and treatment systems from pig farming, intensive cattle farming, intensive poultry farming (Surveys of farmers and effluent treatment units, bibliographical research).
2. Collaboration in the establishment of pilot tests in order to explore anaerobic digestion and composting techniques (construction of laboratory pilots that allow the processing of various types of livestock effluents with the production of biogas).
3. Collaboration in measuring the impact of the application of treated livestock residues on crop productivity, soil fertility and carbon sequestration by the soil (field trial evaluating soil fertility and crop productivity)
4. Support in writing technical activity reports.
5. Support in dissemination activities for the project and its results.

**Generic scientific area:** Agriculture, Environment and Gastronomy.

**Specific scientific area:** Gastronomy.

#### **Requirements**

The candidate must:

- Have a degree in Gastronomy, Agriculture, Environment and similar areas;
- Be enrolled in a master's or in an integrated master's degree, or enrolled in non-conferring courses of academic degree integrated in the educational project of a higher education institution;

If enrolled in a non-academic course, the applicant may not exceed, with the conclusion of the scholarship contract in question, including possible renewals, an accumulated period of two years in that type of scholarship, followed or interpolated, in accordance with Article 6(5) of the FCT Regulation.

With experience in:

- a) Analysing the diversity of wine-growing systems.
- b) Carrying out LCA and other product evaluation methodologies.
- c) Teamwork.
- d) Writing informative material.

#### **Work plan**

The work plan will be developed at the Escola Superior Agrária de Coimbra, of the Instituto Politécnico de Coimbra, within the scope of the “Espumante de Portugal” project, including its agricultural area. Field work will be carried out in the Portuguese Centro Region.

- (i) Work that aims to enhance the value of the ‘Espumante de Portugal’ product by incorporating good practices associated with sustainability/circular economy and efficient resource/water/energy management, making it possible to conquer the market for sparkling wines produced with fewer inputs, lower SO<sub>2</sub> content and which simultaneously guarantee stability and flavour.
- (ii) A Life Cycle Analysis (LCA) approach in which the different unit processes of the various sparkling wine production solutions to be analysed will be quantified in terms of inputs and outputs, in order to identify the best practices in terms of the environment and costs.
- (iii) Indicators that improve the environmental and economic performance of products and services, and can be used in the ‘green’ marketing of products, by determining, for example, the ecological, carbon or water footprint, which is relevant for market segments with sustainability concerns, which are gaining weight in the main international sparkling wine markets.
- (iv) Identifying best practices and preparing information materials that can be used by brands
- (v) analysis of results obtained
- (vi) support for the development of project dissemination and dissemination tasks;
- (vii) support for the production of publications, including scientific articles.

### **Scholarship period**

The scholarship will last for approximately 7 (seventh) months, starting on March 2025, on an exclusive basis, in accordance with the IPC Fellow Regulation, approved by Order No. 5963/2020, published in the 2nd series of the DR of June 1st, and Regulation No. 950/2019, of December 16th (FCT Research Grant Regulations, I.P.).

### **Monthly Maintenance Allowance**

It will be 990,98 euros, according to the table of values for Research Grants in the country awarded by FCT, I.P. ([www.fct.pt/apoios/bolsas/valores](http://www.fct.pt/apoios/bolsas/valores)) with payment made monthly by bank transfer. In addition to this amount, voluntary social insurance corresponding to the first level is added, if the candidate chooses to register, and personal accident insurance is also available.

### **Workplace**

The work will be developed at the Escola Superior Agrária de Coimbra, of the Polytechnic Institute of Coimbra, under the scientific guidance of Doctor António Ferreira and Sara Sousa.

### **Selection Criteria**

The criteria for evaluating applications are as follows:

- Curriculum evaluation, with emphasis on the grades of the degrees completed and the curricular units of the degrees in which you are enrolled (50%);
- Experience working with LCA and other product evaluation methodologies (25%);
- Teamwork experience (5%);
- The candidate's motivation to participate in the project (20%);

There may be an assessment through an interview if it is necessary to break a tie between candidates.

### **Jury Composition**

The jury responsible for the selection process will be made up of Professor António Ferreira (President), Doctor Carla Ferreira (Effective Members), and Doctor Anne Karine Boulet and Doctor Paula Ferreira (Substitute Members).

### **Documents to be presented**

Applications must include the following information:

- Application form available on the internet page for this competition at [https://www.ipc.pt/bupc/concursos/form/concursos\\_bolseiros](https://www.ipc.pt/bupc/concursos/form/concursos_bolseiros)
- Degree certificate;
- Proof of registration in a course;
- Letter of motivation from the candidate addressed to the President of the jury;
- Dated and signed CV;
- Identification, residence, identification document number and tax identification number.
- Declaration under commitment of honour, in which, if enrolled in an ongoing not conferring academic degree, the applicant does not exceed, with the conclusion of the scholarship contract in question, including possible renewals, an accumulated period of two years in that type of scholarship, followed or interpolated, in accordance with Article 6(5) of the FCT Regulation

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

### **Deadline for receiving applications**

It will last 10 days, between 13/02/2025 and 26/02/2025.

Candidates must access and register on the website

[https://www.ipc.pt/bupc/concursos/form/concursos\\_bolseiros](https://www.ipc.pt/bupc/concursos/form/concursos_bolseiros) to submit the application, selecting the procedure for which they intend to apply.

Applications must be delivered exclusively in digital format, in portable document format (pdf), except for documents whose delivery is scheduled in other digital formats.

Application instructions are completed by filling in the sections available at the aforementioned email address.

When formalizing the application, if it contains a classified document that reveals commercial or industrial secrets, or secrets relating to literary, artistic or scientific property, the candidate must expressly indicate such reservation, under penalty of the work in question being freely accessed by any one of the other candidates, in consultation with the process.

When submitting the application, the candidate must provide only the necessary data, according to this notice, and must hide personal data present in the documentation, as these data may be freely accessed by other candidates during the process consultation.

### **Applicable legislation and regulations**

The grant award is based on 1) Law No. 40/2004, of August 18 (Scientific Research Fellow Statute), amended and republished by Decree-Law No. 202/2012, of August 27, updated by Decree-Law No. 233/2012, Law No. 12/2013 and Decree-Law No. 89/2013; 2) Research Grantee Regulation of the Polytechnic Institute of Coimbra, approved through dispatch No. 5963/2020, published in “Diário da República”, 2<sup>nd</sup> serie of June 1, 2020; 3) the Regulation of Scholarships and Research of the Foundation for Science and Technology in force ([www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2015.pdf](http://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2015.pdf))

The model for the scholarship contract and the final reports to be prepared by the scholarship holder and the coordinator are those set out in the annexes to the Scientific Research Scholarship Holder Statute referred to above.

### **Method of notifying results**

The final results of the evaluation will be published, through an alphabetically ordered list, by final grade obtained, posted in a visible and public place at the Escola Superior Agrária de Coimbra of the

Instituto Politécnico de Coimbra, a showcase allocated to ESAC Human Resources, in Block B, being all candidates notified, for the purposes of prior hearing of interested parties, via email.

If the result is unfavorable to the granting of the requested scholarship, candidates have a period of 10 working days, after the publication of the results, to comment, if they wish, in a prior hearing of interested parties, under the terms set out in the Code of Administrative Procedure.

Whenever the number of interested parties to be heard is so high that the prior hearing of interested parties becomes impracticable, this is replaced by a public consultation, carried out under the terms and within the deadlines set out in paragraph 2 of article 37 of the Decree- Law No. 63/2019, of May 16th. The final decision must be taken within a maximum period of 60 working days after the conclusion of the prior hearing of interested parties or the public consultation.

A complaint may be filed against the final decision within 10 days after notification.

For more information, contact Doctor António Ferreira, via email: [aferreira@esac.pt](mailto:aferreira@esac.pt)

Coimbra, January 23, 2025