

**Announcement of a RESEARCH GRANT (BI)**  
**Reference: IIA – LIC-1 - PDR2020\_GO\_IEPE\_1**

Competition is open for the award of a Research Grant, under the project "**IEPE - Efficient installation of eucalyptus stands**", with the operating code **PDR2020-101-001 Ref 031985**, of the Polytechnic Institute of Coimbra, co-financed by the **EAFRD - European cultural Fund for Rural Development**, through the Portugal Partnership Agreement 2020, **PDR2020 Programme**, under the following conditions:

The grant will be aimed at the implementation and development of the following activities:

- 1) Chemical analysis of nutrients in the Laboratory (soils; plant material and organic matter samples);
- 2) Carrying out quality control tests;
- 3) Monitoring the calibration of instruments and laboratory equipment;
- 4) Elaborating and controlling documents related to the Quality Management system;
- 5) Stock management of materials and chemical reagents;
- 6) Data processing and results analysis.

General Scientific Area: *Exact Sciences and Engineering*

Specific scientific area: *Chemistry*

**Admission requirements:**

According to Article 3 of the Research Fellowship 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, candidates must:

- possess the graduated degree in the field of Chemistry
- prove that they are enrolled in a master's or in an integrated master's degree in the field of Chemistry or enrolled in non-conferring courses of academic degree integrated in the educational project of a higher education institution.
- have experience in the Functional Contents of the Operation and Domain in the application of techniques and protocols in the laboratory:

- a) Chemical analysis of nutrients in the Laboratory (soils; plant material and organic material samples);
- b) Carrying out quality control tests;
- c) Monitoring the calibration of laboratory instruments and equipment;
- d) Drawing up and controlling documents related to the Quality Management system;
- e) Managing stocks of materials and chemical reagents;
- f) Data processing and results analysis.

**Work plan:**

The work plan will be to develop:

- In the laboratory, chemical analyses of soils, plant material and organic material samples;
- In the office: analysis and statistical processing of results; and dissemination of results

**Objectives to be accomplished by the candidate:**

- 1) Chemical analysis of nutrients in the laboratory;
- 2) Optimising analytical procedures and carrying out quality control tests;
- 3) Supervising the calibration of laboratory instruments and equipment;
- 4) Preparation and control of documents related to the Quality Management system;
- 5) Managing stocks of materials and chemical reagents;
- 6) Analysis and statistical processing of results and subsequent dissemination of results.

**Duration of the scholarship:**

The scholarship will last for 6 months, under exclusivity, according to the Research Grant Regulation of the Polytechnic Institute of Coimbra, through Dispatch No. 5963/2020, published in “*Diário da República*”, 2<sup>nd</sup> serie of June 1, 2020, scheduled to begin on June, 2022. The scholarship cannot go beyond the date of the end of the project (31/12/2022).

**Monthly Maintenance Allowance:**

The Monthly Maintenance Allowance corresponds to the basic value of 875.98 euros per month, according to the table of grants of FCT, I.P. in the country (Appendix I - Table of monthly maintenance allowances for the FCT I.P. Research Grant Regulation): <http://www.fct.pt/apoios/bolsas/valores>. with the payment being made monthly by bank transfer.

To this amount is added the Voluntary Social Insurance corresponding to the 1<sup>st</sup> tier, if the applicant chooses to register, and Personal Accident Insurance.

**Host institution and scientific supervision:**

The work will be developed in the ESAC Laboratories, under the scientific supervision of Rosinda Leonor dos Santos Pato.

**Evaluation criteria:**

The evaluation of the applications will focus on the merit of the candidate, by applying the following parameters according to the following formula:

Assigned note (from 0 to 100) =  $(0.25 * C1 + 0.25 * C2 + 0.25 * C3 + 0.25 * C4) * F1 * F2 * F3$

- C1 - Carrying out quality control tests;
- C2 - Calibration of laboratory instruments and equipment;
- C3 - Elaboration and control of documents related to the Quality Management system;
- C4 - Stock management of materials and chemical reagents.

Weighting factors F1, F2 and F3 are defined as follows:

F1 - Area of Study / Training:

F1 = 1.0 Degree in the area of Chemistry

F1 = 0.3 for a university degree in the area of biochemistry

F1 = 0.1 for degrees in other areas.

F2 - Experience in the application of the techniques and protocols of the above mentioned activities:

F2 = 1.0 for work experience over 3 years;



F2 = 0.5 for experience in the provision of services;  
F2 = 0.3 for experience in curricular internship regime;  
F2 = 0.1 for training within the curricular area  
F3 - Driving licence and knowledge of Portuguese  
F3 = 1.0 with a driving licence and knowledge of Portuguese  
F3 = 0.3 with knowledge of Portuguese, but without a driving licence  
F3 = 0.1 with driving licence and no knowledge of Portuguese

**Composition of the Jury:**

The Selection Panel is composed by the following elements: President: Maria Filomena Figueiredo Nazaré Gomes; Effective members: Rosinda Leonor dos Santos Pato; Maria Manuel Balseiro Vidal; Isabel Maria Nunes da Rosa Dias Duarte; Substitute members: Joaquim Manuel Sande Silva and Teresa Maria Pinto Coelho Amado Vasconcelos.

**Documents to be submitted:**

Applications should include the following documents:

- Elements of the National Identity Card/Citizen Card/Passport/Visa/Title of Residence; Tax Identification Number (NIF);
- Documents proving that the candidate meets the conditions defined in the admission requirements, namely, 1) certificate of qualifications and 2) certificate of enrollment in Masters in Chemistry or in courses not leading to an academic degree integrated in the educational project from an institution of higher education;
- *Curriculum Vitae* of the candidate, in Portuguese or in English;
- Motivation letter, in Portuguese or in English;
- Letters of reference or recommendation, including the contact details of the authors of the recommendations;
- None of the above-mentioned documents may be submitted after the deadline set for that purpose in this notice of opening.

**Deadline for receipt of applications:**

The call is open during 10 working days from 13/06/2022 to 27/06/2022. Applications must be sent exclusively by e-mail to [bolsas.investig@ipc.pt](mailto:bolsas.investig@ipc.pt), with the subject “LIC-1 - PDR2020\_GO\_IEPE\_1”.

**Applicable legislation and regulations:**

Research Fellowship Holder Statutes, approved by Law No. 40/2004, of August 18 (Statute of the Scientific Research Fellow) amended and republished by Decree-Law No. 202/2012, of August 27, updated by: Decree-Law No. 233/2012, Law No. 12/2013, Decree-Law No. 89/2013, and Decree-Law No. 123/2019; the Regulation of Scholarships and Research of the Foundation for Science and Technology in force (Regulation No. 950/2019, of December 16, amended by Regulation No. 643/2021 of July 14) and the 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.

**Communication of results:**

Results of the evaluation will be published no later than 90 working days after the deadline for submission of applications.

Results will be listed by ordered alphabetically, posted in the showcase allocated to ESAC Human Resources, in the building B of Coimbra Polytechnic Agriculture School, all candidates are notified, for the purposes of prior hearing of interested parties, by e-mail.

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 May 16.

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.

The final decision can be contested, having 15 working days for this purpose, by sending to the President of the Jury the corresponding claim or appeal to the President of the IPC within 30 working days, both after notification.

For more information contact: the President of the Jury, by e-mail: [fgomes@esac.pt](mailto:fgomes@esac.pt).

The following annexes contain the models of the grant contract and the final reports to be drawn up by the grantee and the scientific advisor in accordance with the IPC Regulation (DR, No. 106 of 1 June 2020).

Coimbra, April 09, 2022

## **ATTACHMENTS**

### **ANNEX I - Contrato de bolsa de investigação**

Entre as partes abaixo designadas:

1.º Instituto Politécnico de Coimbra (IPC), com sede na Rua da Misericórdia, Lagar dos Cortiços — S. Martinho do Bispo, 3045-093 Coimbra, com o número de identificação de pessoa coletiva 600027350, representada neste ato por ..., na qualidade de Presidente, adiante designada por primeiro outorgante; e

2.º ... (nome do bolseiro), com o ... (documento de identificação) n.º ..., válido até ..., contribuinte n.º ..., beneficiário da Segurança Social n.º ... (se aplicável), residente em ..., adiante designado por segundo outorgante;

É celebrado de boa-fé, e reciprocamente aceite, o presente contrato de bolsa de investigação, ao abrigo do Regulamento de Bolseiro de Investigação do IPC, que se rege pelas cláusulas seguintes:

#### **Cláusula 1.ª**

O primeiro outorgante compromete-se a conceder ao segundo outorgante uma bolsa de investigação de (BII, BI e BPD) com a referência... pelo período de... meses, eventualmente renovável nos termos previsto no Regulamento de Bolseiro de Investigação do IPC.

#### **Cláusula 2.ª**

O segundo outorgante obriga-se a realizar o plano de atividades, conforme descrito no processo de candidatura, a partir da data de início nele referida e em regime de dedicação exclusiva, nos termos do artigo 19.º do Regulamento de Bolseiro de Investigação do IPC.

#### **Cláusula 3.ª**

O segundo outorgante realiza os trabalhos na ... (UO/UOI), que funciona como entidade acolhedora/entidade financiadora, tendo como orientador (a) científico o Doutor (a) ...

#### **Cláusula 4.ª**

O montante da bolsa é de... € mensais, a pagar pelo 1.º outorgante por transferência bancária.

#### **Cláusula 5.ª**

O primeiro outorgante poderá rescindir o presente contrato nos casos a seguir indicados:

- a) Incumprimento grave e reiterado dos deveres do segundo outorgante, por causa que lhe seja imputável, designadamente não atingir os objetivos estabelecidos no plano de atividades aprovado;
- b) Quando se verificar que o bolseiro prestou falsas declarações.

Cláusula 6.ª

Sem prejuízo do disposto na cláusula anterior, este contrato cessa automaticamente com a conclusão do plano de atividades, com o decurso do prazo pelo qual a bolsa é atribuída, com a revogação por mútuo acordo ou alteração das circunstâncias, com a constituição de relação jurídico-laboral com a entidade acolhedora.

Cláusula 7.ª

O bolseiro tem de apresentar até 60 dias após o termo da bolsa um relatório final das atividades desenvolvidas, incluindo as eventuais comunicações e publicações resultantes da atividade como bolseiro.

Cláusula 8.ª

É subsidiariamente aplicável o Estatuto de Bolseiro de Investigação, aprovado pela Lei n.º 40/2004, de 18 de agosto, na sua atual redação, e o Regulamento de Bolsas de Investigação do IPC.

Cláusula 9.ª

Convencionam-se, por acordo entre as partes, que em caso de necessidade e para dirimir todas as questões emergentes do presente contrato será competente o Tribunal da Comarca de Coimbra, com expressa renúncia a qualquer outro.

Cláusula 10.ª

Qualquer alteração a introduzir no contrato no decurso da sua execução ou prorrogação do mesmo será objeto de acordo prévio.

Cláusula 11.ª

As partes outorgantes declaram estar de acordo com o clausulado neste contrato, que é feito em duplicado, todas as cópias valendo como originais, ficando um exemplar na posse de cada um dos outorgantes.

Coimbra, ... de ... de ...

O Primeiro Outorgante, ...

O Segundo Outorgante, ...



**ANNEX II - Final report to be prepared by the grantee**

Exmo. Sr. Presidente do Politécnico de Coimbra

... (nome completo do Bolseiro), com o ... (documento de identificação) n.o ..., vem, de acordo com o artigo 25.o do Regulamento de Bolseiro de Investigação do Instituto Politécnico de Coimbra, apresentar o seu Relatório Final referente à Bolsa de ... (identificação do tipo de Bolsa), na área de ... (identificação da área da Bolsa), cujos trabalhos foram desenvolvidos no (a) ... (entidade acolhedora onde foram desenvolvidos os trabalhos), e tendo sido coordenado pelo Ex. Prof. (a) doutor (a) ...

(Neste documento serão focados os aspetos a seguir referidos)

- 1 — Apresentação do objeto da Bolsa e dos respetivos objetivos.
- 2 — Identificação cronológica dos trabalhos desenvolvidos no âmbito da Bolsa supra referenciada.
- 3 — Apresentação dos resultados alcançados.
- 4 — Autoavaliação do Bolseiro.

Anexos a apresentar: Comunicações e publicações resultantes da atividade como bolseiro.

Local, ... de ... de ...,

Assinatura do Bolseiro

**ANNEX III - Final report to be prepared by the Scientific Advisor**

Ex.mos (as) Senhores (as)

No âmbito da Bolsa de ... (identificação do tipo de Bolsa), na área de ... (identificação da área da Bolsa), desenvolvida pelo Bolseiro... (identificação do Bolseiro), venho, de acordo com o artigo 25.º do Regulamento de Bolseiro de Investigação do Politécnico de Coimbra, apresentar o devido Relatório Final de Avaliação.

(Neste documento serão focados os aspetos a seguir referidos)

- 1 — Análise crítica do trabalho desenvolvido pelo Bolseiro.
- 2 — Avaliação final do trabalho desenvolvido, com referência expressa aos indicadores relativos aos critérios de avaliação definidos no artigo 17.o do Regulamento.

Local, ... de ... de ...,

Assinatura do Orientador Científico