

PUBLIC NOTICE FOR A RESEARCH SCHOLARSHIP

Reference IPC-IIA/GreenBotics /BI_Lic.1

IPC/ i2A is now accepting applications to award 1 **Research Scholarship** (BI) within the scope of the project "GreenBotics: Intelligent Robotic System for Digital Agriculture", reference PTDC/EEI-ROB/2459/2021, funded by the Portuguese Science and Technology Foundation, as follows:

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

- To study (literature review and in the field) of the maize crop and its environmental impacts;
- To develop field work activities for data collection (soil, water and plants);
- To support activities involving data collection with drones;
- To support dissemination activities regarding the project and its results.

Generic Scientific Area: Agriculture and Environment

Specific Scientific Area: Agriculture

2-Requirements:

- Graduation in the topic of Agriculture, Environment or similar and 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

- Experience in (i) field work, (ii) laboratorial work, and (iii) team work.

3-Work Plan:

The work will be developed in Escola Superior Agrária de Coimbra, Instituto Politécnico de Coimbra, including its agriculture area, under GreenBotics project. Occasionally some field work will be developed in maize farms within Baixo Mondego.

The fellow will develop (i) field work to monitor the maize crop, and laboratorial work to analyse soil and plant samples, and to identify diseases and plagues; (ii) analyse the results; (iii) support the data collection with drones and its validation; (iv) support the project dissemination tasks; (v) support preparation of publications including research articles.

4-Scholarship Length:

6 months, with the possibility of renewal for identical periods of time up to 18 months, if assigned to a student enrolled in master's and/or doctorate; and renewal up to a maximum of 12 months, if assigned to a graduate or master enrolled in a non-academic degree study cycle; in accordance with Regulation No. 950/2019 of 16 December (Fct Research Scholarship Regulation, I.P.), scheduled to begin in May 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 the voluntary social insurance corresponding to the first tier, and a workplace accident insurance contract.

6-Workplace:

The work will be developed mainly at Escola Superior Agrária of the Polytechnic of Coimbra, under the supervision of Dr. Carla Sofia Santos Ferreira.

7-Selection Criteria:

- Academic evaluation (50%)
- Experience with field work (20%)
- Experience with laboratorial work (20%)
- Experience with team work (5%)
- Motivation to work in this research project (5%)

8-Jury of Selection:

The jury responsible for the selection process is composed by Dr. Carla Sofia Santos Ferreira, Prof. Maria José Cunha and Dr. Anne Karine Boulet as effectives and Prof. António Dinis Ferreira as substitute

9-Mandatory Documents:

The applications must include the following documents:

- Degree certificate;
- Proof of registration in a course;
- Motivation letter;
- Curriculum vitae with date and signature;

- Identification, residence, number of identification document and fiscal 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.

10-Deadline of Applications Submission:

The application period will be of 10 working days, starting on 14 April and ending on 29 April 2022.

Applications should be sent by email to bolsas.investig@ipc.pt, indicating the fellowship reference (mandatory): **IPC-IIA/GreenBotics /BI_Lic.1**.

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:

All candidates will be notified 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.

For further information please contact:

Dr. Carla Sofia Santos Ferreira (cferreira@esac.pt), indicating the reference of fellowship (mandatory): **IPC-IIA/GreenBotics/BI**.

Coimbra, 7th of March 2022.