

EDITAL

ANNOUNCEMENT OF A GRANT FOR INITIATION INTO RESEARCH (BII)

Referência : Projeto: PDR2020-784-042750 Milho

7.8.4 - Recursos genéticos - Conservação e melhoramento de recursos genéticos vegetais

titulo: Conservação e melhoramento de variedades tradicionais de milho

There is an open call for applications for a scientific initiation scholarship under the project PDR2020-784-042750, 7.8.4 - Genetic resources - Conservation and improvement of plant genetic resources with the title: Conservation and improvement of traditional varieties of maize coordinated by Dr. Pedro Manuel Reis Mendes Moreira, with the operation code PDR2020-784-042750, of the Polytechnic Institute of Coimbra, funded by PDR2020:

The grant will aim to implement and develop the following activities:

- 1) Germplasm management and preparation of trials that includes agroforestry environment;
- 2) Determination of biometric parameters in field and laboratory evaluation and subsequent data recording and processing
- 3) Breeding work, cross pollination and recording of respective actions
- 4) Presentation of progress reports and collaboration in other publications
- 5) The work will be carried out at IPC-ESAC and in the farmers' field.

General Scientific Area: Agricultural Sciences

Specific scientific area: Plant Breeding

Requirements:

- To be a student enrolled in a CTESP or degree programme, in the area of Agricultural Sciences, aiming at the beginning of their scientific training;
- Oral and written command of Portuguese and English;
- Knowledge of computer skills in user's perspective;

- Knowledge in plant breeding, quantitative genetics and statistics (e.g. theoretical bases, spreadsheets and statistical programmes);
- Communication skills with a view to networking at a national level.

The scholarship may only be awarded to those who do not exceed, with the signing of the scholarship contract in question, including possible renewals, an accumulated period of one year in that type of scholarship, consecutive or interpolated.

Work plan:

The work plan will be to develop:

- Ex-situ and on-farm germplasm management;
- On-farm and on-station plant breeding;
- Multilocational trials and field measurements (v.g. pest and disease resistance, pollination, harvesting and evaluation in plants and ears);
- Data processing;
- Preparation of reports in Portuguese and English.

Period of the scholarship:

The grant is for six months, on an exclusive basis, in accordance with the Research Grant Regulations of the Foundation for Science and Technology, I.P. in force, beginning on June 1st, and ending on the end date of the project, which is planned for 31-12-2023

Monthly Maintenance Allowance:

541,12 euros, according to the table of values of the Research Grants in the Country awarded by FCT, I.P. (www.fct.pt/apoios/bolsas/valores) being the payment made monthly by bank transfer.

In addition to this amount, there is the voluntary social insurance corresponding to the first level, should the candidate choose to enroll, and personal accident insurance will also be required.

Local de Trabalho:

The work will be developed at (ESAC) of IPC, under the scientific supervision of Pedro Manuel Reis Mendes Moreira.

Selection Criteria:

The criteria for evaluation of applications are as follows:

- The evaluation criteria, focusing on the candidates' merit, comprises the following parameters according to the following formula (weighted sum of the items indicated below, out of a maximum of 100):
- Knowledge of conservation of genetic resources and plant breeding (30) points;
- Knowledge of multisite trials and performing field measurements (e.g. pest and disease resistance, pollination, harvesting and phenotypic assessment) (25 points);
- Interpersonal skills and experience in integration of national and international multidisciplinary work teams (25 points);
- Advanced knowledge of oral and written Portuguese, as well as English (20 points)

Performance in an oral interview (10 additional points), to be held in the event of a tie between the best ranked candidates in the evaluation of the previous criteria. The interview should allow for a refined evaluation of the following criteria: motivation; verbal and written fluency in English; autonomy and initiative; capacity for analysis and critical sense

Composition of the Jury:

The jury responsible for the selection process will consist of Professors Ph:

Effective:

Professor Doctor Pedro Mendes Moreira (IPC project manager) (Chairman); Professor Doctor Daniela Valente Simões dos Santos (Member); Professor Doctor Maria Isabel Ribeiro Dinis (Member).

Substitutes:

Professor Doctor Cristina Isabel Cabral Galhano (Substitute Member); Professor Doctor Manuela Abelho (Substitute Member)

Documents to be submitted:

Applications must include the following documents:

- Letter of motivation of the candidate addressed to the President of the jury;
- Dated and signed curriculum vitae;
- Copy of the qualifications certificates;

Deadline for receipt of applications:

Shall be 10 working days from 02/06/2023 to 16/06/2023.

Applications should be sent by e-mail to the following e-mail address: bolsas.investig@ipc.pt

placing the reference Project in the subject: ANNOUNCEMENT OF A BOLSA DE INICIAÇÃO À INVESTIGAÇÃO PDR2020-784-042750 Milho

Legislation and applicable regulations:

The award of the scholarship is based on Law no. 40/2004, of 18 August (Statute of the Scientific Research Grant Holder) amended and republished by Decree-Law no. 202/2012, of 27 August, updated by: Decree-Law no. 233/2012, Law no. 12/2013, Decree-Law no. 89/2013, and Decree-Law no. No. 123/2019; the Scholarship and Research Regulation of the Foundation for Science and Technology in force (Regulation No. 950/2019, of 16 December) and the Research Grant Holder Regulation of the Polytechnic Institute of Coimbra, approved by Order No. 5963/2020, published in the 2nd series of the DR of 1 June 2020.

The grant is based on Law no. 40/2004, of 18 August (Scientific Research Grant Holder Statute) as amended and republished by Decree-Law no. 202/2012, of 27 August, updated by: Decree-Law no. 233/2012, Law no. 12/2013, and Decree-Law no. No. 89/2013; the Scholarship and Research Regulation of the Foundation for Science and Technology in force (www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2015.pdf), the Order No. 12709/2016 published in the DR, IIª série de 21/10/2016, of the Polytechnic Institute of Coimbra, respecting the IPC Scholarship Holders Regulation.

The model of the grant contract and the final reports to be prepared by the grant holder and the coordinator are the ones included in the annexes of the above mentioned Scientific Research Grant Holder Statute.

Form of publication/notification of results:

The final results of the evaluation will be publicised, through a list ordered alphabetically, by final grade obtained, posted in a visible and public place, and all candidates will be notified, for the purposes of prior hearing of interested parties, via email.

For further information, please contact:

Pedro Mendes Moreira by email: pmm@esac.pt

Coimbra, 9 February 2023