



UNIVERSIDADE DE ÉVORA

MED – MEDITERRANEAN INSTITUTE FOR AGRICULTURE, ENVIRONMENT AND DEVELOPMENT

PhD level BIPD fellowship– 1 vacancy

01 of march of 2023

A call for tenders is open for 1 Research fellowship/PhD level within the scope of the project (*SOLVO - Solutions to restore degraded Soils in mediterranean OLive orchards Via Organic mulch and biochar from olive industry waste*), ref.^a 2022.06004.PTDC, financed by national funds through FCT/MCTES under the following conditions:

Scientific area: Agriculture sciences and related areas.

Admission requirements:

- a) PhD in the following areas: Agricultural Sciences, Environmental and Marine Sciences, Environmental Engineering, Biochemistry, Agricultural Chemistry, Forestry Engineering and related;
- b) Professional experience in field and/or laboratory studies, mainly in the field of soil sciences;
- c) Experience publishing peer-reviewed articles and participating in research projects;
- d) Domain of the written English language.

Regarding the “**BIPD**” (postdoctoral scholarship), in terms of the requirements to be verified for their attribution (article 7 of the FCT Research Grant Regulation no. 950/2019) the need for a doctoral degree to have been obtained in the 3 years prior to the date of submission of the application to the scholarship and, in terms of its execution, the fact that it can only be renewed for a maximum period of 3 years.

Work plan:

The work plan for this research grant consists of managing:

1. Field monitoring of the short/medium term impacts of of SOLVO (mulch-biochar) techniques on soil ecosystem services, namely erosion control, water storage and carbon balance;
2. Laboratory assessment of soil fertility (through CEC, N, P, K and C-NMR molecular analysis);
3. Laboratory assessment of soil habitat status (enzymatic activity, microbial DNA, ecotoxicological assays);
4. Assessment of the environmental performance of techniques through life cycle assessment (LCA) and eco-hydrological modeling at broader spatial and temporal scales;
5. Statistical analysis of the results and other analysis required within the scope of the project.



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6. Writing scientific articles and disseminating the results obtained.

The final objective of this work is the detailed characterization of the effects of soil restoration treatments based on mulch and biochar on the various soil ecosystem services, namely erosion control, water storage, carbon balance, impact on fertility and soil habitat.

Applicable legislation and regulations: The granting of the Research Scholarship will be carried out upon the signing of a contract between the University of Évora and the scholarship holder, as set in the template, pursuant to the Research Scholarship Statute (Law No. 40/2004 of August 18 and Decree-Law No. 123/2019 of August 28) and in accordance with the legislation and Regulation of Research Grants of the Foundation for Science and Technology, IP in force, regulation nº950/2019 of December 16, 2019: <https://files.dre.pt/2s/2019/12/241000000/0009100105.pdf> and other applicable rules.

Place of work: The work will be developed at MED – Mediterranean Institute for Agriculture, Environment and Development & CHANGE – Global Change and Sustainability Institute of the University of Évora, under the scientific guidance of Doctor Sergio Prats Alegre.

Duration of the scholarship(s): The scholarship will have a duration of will last for 6 months, starting in April 2023. The scholarship contract may be renewed, until the end of the budget allocation of the financing project with a maximum of 36 months.

Amount of monthly maintenance allowance: The amount of the scholarship corresponds to €1741,00, according to the table of scholarships awarded directly by FCT, I.P. in Portugal (https://www.fct.pt/wp-content/uploads/2023/02/Tabela-de-Valores-SMM_2023.pdf), payments being made monthly, by check or bank transfer.

Selection methods: The selection will be made through evaluation of Curriculum Vitae and professional experience, based on the following percentage weighting (maximum 100 points):

- Adequacy of the scientific area of specialization (10 points);
- Scientific production as described in the Admission Requirements section (50 points);
- Professional experience as described in the Admission Requirements section (40 points).

If none of the contest candidates meet the appropriate profile, the jury reserves the right to close the contest without any recruitment. In case of a tie, for the selection of the first classified, candidates with the same classification will be submitted to an interview where the following aspects will be evaluated:

- Oral communication skills;
- motivation for teamwork;
- expectations of professional and personal development;
- professional experience shown in the CV;
- knowledge of the English language.



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In the case of using the interview, the valuation of the evaluation elements will be as follows:

- curriculum evaluation (60%)
- interview (40%)

Composition of the Selection Jury:

President: Sergio Prats Alegre, PhD
1º Effective member – Prof. José Muñoz-Rojas, PhD
2º Effective member – Oscar Gonzalez Pelayo, PhD
1º Alternate member – Maria Rivera, PhD
2º Alternate member – J. Tiago Marques, PhD

Advertising/notification of results: The final results of the evaluation will be published through a list ordered by the final grade obtained in the selection made by the jury and communicated to all candidates via e-mail.

To ensure the right of prior hearing of interested parties, the Final Classification project will be announced by any written means to all interested parties.

After communication of the provisional list of evaluation results, candidates have a period of 10 working days to express their opinion in a preliminary hearing of interested parties.

Application deadline and submission of applications: The tender is open from 7th to 24th March of 2023 and the results of the selection will be published by 31 March of 2023.

Applications must be formalized, obligatorily, by sending an application letter with the following documents:

- Curriculum Vitae,
- certificate of qualifications,
- 1 recommendation letter,
- 1 motivation letter.

For the purposes of application, the evidence may be replaced by a declaration of honor signed by the candidate, but the failure to demonstrate that evidence, in the contracting phase, possession of the required degree on the deadline for application or the non-presentation of proof of enrollment in the study cycle or non-degree course, for scholarships with this component, imply the cancellation of the candidate's application. Academic degrees obtained in foreign countries require registration by a Portuguese Institution in accordance with Decree-Law no. 66/2018, of August 16 and Ordinance No. 33/2019, of January 25th.

The presentation of the certificate is mandatory for the signing of the contract. More information can be obtained at: <https://www.dges.gov.pt/pt/pagina/recongnition?plid=374>

Applications must be sent by email to:

Doctor Sergio Prats, PhD
MED, Universidade de Évora
e-mail: sergio.prats@uevora.pt