



UNIVERSIDADE DE ÉVORA

MED – Mediterranean Institute for Agriculture, Environment and Development & CHANGE –  
Global Change and Sustainability Institute

Research grant BsC (BI) – 1 vacancy

**12<sup>nd</sup> of June of 2023**

A call for tenders is open for (1) Scholarship for a Bachelor's Degree within the scope of the project "SOLVIT - Solutions to restore degraded Soils in Mediterranean vineyards via Organic mulch and biochar derived from VITiculture industry waste", B1.6.2 – SOLVIT, in the framework of the project "Vine&Wine - Driving Sustainable Growth Through Smart Innovation" ref. cand67-ACC02/CO5-i01/2022, supported by the PRR - Recovery and Resilience Plan and by the European NextGeneration EU Funds), within the scope of the "Mobilizing Agendas for Reindustrialization" under the following conditions:

**Scientific area:** Agriculture sciences and related areas

**Admission requirements:**

- a) Bachelor's Degree (BsC) in the following areas: Agronomy, Biochemistry, Agricultural Chemistry, Animal Production/Zootechnics, Forestry Engineering or similar;
- b) Professional experience in field and/or laboratory work, preferably in the area of agronomy, farm management, irrigation control and physical-chemical properties of water and soil;
- c) Experience in publishing articles with scientific refereeing, oral communications/posters in Conferences, and participation in research projects;
- d) Certified language skills, different than Portuguese.

As set forth FCT Research Scholarship Regulation No. 950/2019 of December 16, 2019, article 3 and 6, candidates for "BI" (Research Grants) must comply as a rule condition for the award of the scholarship, the effective inclusion in study cycles leading to the attribution of academic degrees or in courses not leading to an academic degree. Courses that do not confer an academic degree correspond to the courses provided for in subparagraph e) of paragraph 3 of article 4 of Decree-Law No. 74/2006 of 24 March and must be developed in a higher education institution in association with at least one R&D unit, including a course plan in one or several research areas of the unit.

**Work plan:**

The Work Plan for this research grant consists of:

1. Field monitoring of the short- and medium-term impacts of techniques (mulch-biochar) on soil ecosystem services, namely erosion control, water storage and carbon balance;



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2. Laboratory analysis of soil fertility (through CEC, N, P, K);
3. Laboratory analysis of soil habitat status (ecotoxicological tests);
4. Statistical analysis of the results and other analysis required within the scope of the project.
5. Collaboration to the writing of 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 and soil carbon balance.

**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 [former.fct.pt/apoios/Minuta\\_Contrato\\_Bolsa.docx](https://www.fct.pt/apoios/Minuta_Contrato_Bolsa.docx), 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 the Doctor Sergio Prats Alegre.

**Duration of the scholarship(s):** The scholarship will have a duration of 6 months, starting on September of 2023. The scholarship contract may be renewed yearly, *until the end of the funding project's budget allocation*.

**Amount of monthly maintenance allowance:** The amount of these scholarships corresponds to €930,98, 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](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 curriculum and experience evaluation, based on the following percentage weighting (maximum 100 points):

- Adequacy of the scientific area of specialization (40 points) and/or additional courses at Bachelor's level;
- Professional experience as described in the scholarship Admission requirements (30 points).
- Scientific production as described in the scholarship Admission requirements (20 points);
- Domain in languages other than Portuguese (10 points).

In the event that 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:



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- Oral communication skills;
- Motivation for teamwork;
- Expectations of professional and personal development;
- Verification of the professional experience shown in the CV;
- Verification of the level of knowledge of the English and other foreign languages.

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:**

Presidente: Professor Maria João Cabrita

1º Effective member – Sergio Prats Alegre, PhD

2º Effective member – Professor José Muñoz-Rojas

1º Alternate member – Professor Tiago Marques

2º Alternate member – Prof. Maria Rivera

**Advertising/notification of results:** The final evaluation results 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 email. To ensure the right of prior hearing of interested parties, the Final Classification will be announced by any written means to all interested parties. After communicating the provisional list of the results of the evaluation, 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 19 June 2023 to 05 July of 2023 and the results of the selection will be published by 30 July 2023.

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

- Curriculum Vitae,
- Certificate of qualifications,
- one recommendation letter
- one 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/recognition?plid=374>



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Applications must be sent by email to:

Professor Maria João Cabrita

MED, Universidade de Évora

e-mail: [mjbc@uevora.pt](mailto:mjbc@uevora.pt)

Doctor Sergio Prats

MED, Universidade de Évora

e-mail: [sergio.prats@uevora.pt](mailto:sergio.prats@uevora.pt)



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