



## **HERCULES Laboratory**

### **Announcement for the attribution of a Research Fellowship for Master – 1 vacancy**

1st July of 2021

A call for tenders is open for 1 Scholarship for Master within the scope of the project "ANTECIPA – Modelos de previsibilidade de Rochas Ornamentais em obra e em exploração", with the reference ALT20-03-0246-FEDER-000070, financed by national funds through Alentejo Regional Operational Program (ALENTEJO 2020) and co-financed by European Regional Development Fund (ERDF), under the following conditions:

**Scientific area:** Geology or Chemistry or experience in geological material characterisation techniques

#### **Admission requirements:**

Hold a Master's degree, be able to understand the applicable methodologies and the nature of these raw materials. Practical experience in the physical, chemical and geochemical characterisation of these materials.

As set for the FCT Research Scholarship Regulation No. 950/2019 of December 16, 2019, article 3 and 6, candidates for "BI" 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 Master will participate in the Project' operations, namely in the Actions 1.1.1. Knowledge dissemination (a) Predicting the behaviour of stone in different physical and environmental conditions and (b) tools for management and safety in quarries using drones, and especially in Actions 1.1.2. Promotion of demonstrative pilot projects. In these cases, and following on from previous projects, methodologies must be developed that consider:

- Physical-mechanical properties such as porosity and permeability;
- Knowledge in microscopy techniques such as SEM-EDS and petrographic microscope;

- Knowledge in mineralogical characterisation techniques such as FTIR, XRD and TGA;
- Knowledge in chemical analysis techniques of geological materials such as XRF and ICP-MS.

**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, 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://www.fct.pt/apoios/bolsas/regulamento.phtml.pt> and other applicable rules.

**Place of work:** The work will be developed at the LITHOS infrastructure (Laboratory for Innovation and Technological Hub for Ornamental Stone) of the University of Évora, under the scientific guidance of the Professor José Mirão.

**Duration of the scholarship(s):** The scholarship will have a duration of 6 months, starting on August of 2021. The scholarship contract may be renewed until the end of the funding project's budget allocation.

**Amount of monthly maintenance allowance:** The amount of the scholarship corresponds to €1104.64, according to the table of scholarships awarded directly by FCT, I.P. in Portugal (<http://fct.pt/apoios/bolsas/valores>), payments being made monthly, by check or bank transfer.

**Selection methods:** The selection methods to be used will be the following: curriculum evaluation and a interview, if requested by the jury, with the respective valuation of:

- a) Experience as described in the "Admission Requirements" (maximum 50 points)
- b) Suitability of the scientific area and area of expertise (maximum 20 points)
- c) Scientific production (papers, oral or panel communications presented at national and international meetings) (maximum 30 points).

#### **Composition of the Selection Jury:**

President: Professor José Mirão

1st member – Professor Cristina Dias

2nd member – Professor Patrícia Moita

1st substitute member – Dr. Vera Pires de Almeida Ribeiro

2nd substitute member – Professor Ana Teresa Caldeira

**Advertising/notification of results:** The final results of the evaluation will be publicized, through an ordered list alphabetically posted in a visible and public place of the HERCULES Laboratory (Vimioso' Palace, University of Évora), being the candidate approved notified through email.

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 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 2 to 15 July of 2021 and the results of the selection will be published by 18 July of 2021.

Applications must be formalized, obligatorily, by sending an application letter with the following documents: Curriculum Vitae, cover and motivation letter, certificate of qualifications, and other supporting documents considered relevant.

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.

Applications must be sent by email to:

Prof. Doctor José Mirão

HERCULES Laboratory, University of Évora

email: [jmirao@uevora.pt](mailto:jmirao@uevora.pt)

NOTE: 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>

