



HERCULES Laboratory

Call for tenders for Research Grant – 1 vacancy

4 of January of 2023

A call for tenders is open for one Scholarship for a Graduate, preferably with a master's degree, within the scope of the project **I4STONE - Development of 4D digital systems of registration and predictability of geological resources**, ref: ALT20-03-0247-FEDER-072231 0070, financed by European Regional Development Fund (ERDF) and Regional Operational Programme of Alentejo (ALENTEJO 2020), under the following conditions:

Scientific area: Geology, with training in geological mapping and management of Geological Resources

Admission requirements: Graduated, preferably with a Master's degree, with training in (a) Geological mapping of quarries, supporting tasks 3.2, (b) in laboratory techniques applied to dimension stones, supporting tasks 2.3., 2.4 and 2.5.4 and (c) management of Geological Resource.

Preference will be given to candidates with doctoral/master's degrees and only candidates with master's/graduate degrees will be hired if they do not apply for doctoral/master's degrees, or if they do apply, they are not from the intended training area and/or do not have the experience referred to above

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 scholarship holder will participate in the Project's operations, namely in 2.3., 2.4 and 2.5 tasks. In these cases, and following previous projects, candidate should develop the following methodologies:

- Evaluation of the aesthetic, compositional and physical-mechanical features obtained in the quarry face, using portable equipment's such as X-ray fluorescence, colorimeter, permeameter, Schmidt sclerometers;
- Assessment and field mapping of rock mass fractures, using geological mapping techniques, including visual inspection and determination of fracture orientation using compass and clinometer;
- Delineation of a sampling plan. The collected samples will be evaluated by standard laboratory techniques. This way, it will be possible to assess the dataset robustness;
- Application of the produced system in a quarry context, and evaluation of the weak and strong points of the Prototypes.

Collaboration in science dissemination activities and advanced training is also expected.

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

Place of work: The work will be developed at LITHOS - Laboratory for Innovation and Technological Hub for Ornamental Stone and HERCULES laboratory of the University of Évora, under the scientific guidance of the Doctor Noel Moreira, and Professors José Mirão and Luis Lopes.

Duration of the scholarship(s): The scholarship will have a duration of 3 months, starting on February of 2023. 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 €1144,64, 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 interview, if requested by the jury, with the respective valuation of item evaluated and its percentage weight:

- a) Higher education and experience as described in the "Admission requirements" and its adaptation to the work plan (maximum 60 points)
- b) Scientific and specialization area adequacy of the candidate (maximum 30 points)

- c) Scientific production (scientific articles, oral or panel communications presented at national and international conferences) (maximum 10 points)

Composition of the Selection Jury:

- *President of the jury: Professor José Mirão*
- *1st effective – Doctor Noel Moreira*
- *2nd effective – Doctor Vera Pires de Almeida Ribeiro*
- *1st alternate member – Professor Patrícia Moita*
- *2nd alternate member – Doctor Luís Dias*

Advertising/notification of results: The final results of the evaluation will be publicized, through a list ordered alphabetically posted in a visible and public place on HERCULES Laboratory (Palácio do Vimioso, Universidade de Évora), being the candidate (a) 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 9th of January to 23rd of January of 2023 and the results of the selection will be published by 27th of January of 2023.

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.

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>

Applications must be sent by email to:

Professor José Mirão

e-mail: jmirao@uevora.pt

Cofinanciado por:



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