



Geosciences Department, University of Évora

Scholarship for PhD graduate- 1 vacancy

6 of June of 2022

A call for tenders is open for one Scholarship Research for PhD Graduate within the scope of the project "MOSTMEG - Predictive models for strategic metal rich, granite-related ore systems based on mineral and geochemical fingerprints and footprints, reference **ERA-MIN/0004/2019**, financed by European funds through FCT/MCTES, under the following conditions:

Scientific area: Geology and Earth Sciences or related areas

Admission requirements:

- Hold a PhD in the areas of Geology, Earth Sciences or related areas;
- Academic and professional training in the area of application of analytical methodologies to natural geological materials or processed analogous materials.
- Experience and autonomy in analytical methodologies, namely XRD, SEM-EDS, ICP-MS, RAMAN and XRF to natural or processed geological materials.
- Experience and autonomy in LA-ICP-MS, in obtaining and processing data, using MS/MS equipment;
- Minimum of 3 publications in journals indexed in SCOPUS in the last 3 years.

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 Postdoctoral fellow should focus on the characterization of potentially useful mineral phases in mineralizations associated with aplite-pegmatitic systems.

It is assumed the acquisition and processing of data from the analysis techniques, namely:

1. Identification of mineral phases and possible inclusions, by micro-XRD, micro-FTIR and micro-Raman;
2. Determination of heterogeneities and mineral chemistry of major elements by SEM-EDS, EPMA and cathodoluminescence;
3. Determination of chemical composition in trace elements by LA-ICP-MS/MS

The Postdoctoral fellow must contribute to the discussion of data and project success, with the whole team. In particular, in the quantification of trace elements that can help to identify genetic processes and define new tools for prospecting critical raw material deposits, associated with paragenetic sequences in swarms of (aplite-) pegmatites.

Postdoctoral fellow collaboration in 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 carried out at the Geosciences Department of the School of Science and Technology of the University of Évora, under the scientific supervision of Professor José Mirão, Professor Patricia Moita and Doctor Pedro Barrulas.

Duration of the scholarship: The scholarship will last for 6 months, with possibility of renovation, depending on the project budget, starting in July 2022.

Amount of monthly maintenance allowance: The amount of the scholarship corresponds to €1686,00, 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. Voluntary Social Insurance will be added to the monthly scholarship amount. The grant holder will also benefit from a personal accident insurance.

Selection methods: The selection will be made through curriculum evaluation, based on the following percentage weighting:

- a) Experience as described in “Admission requirements” (maximum 60 points)
- b) Adequacy of the scientific and specialization area (maximum 30 points)
- c) Scientific production (scientific articles, oral or panel communications presented at national and international conferences) (maximum 10 points)

In case of a tie, or if deemed necessary by the jury, the candidates can be called for an interview.

Composition of the Selection Jury:

President: Prof.^a Doutora Patrícia Moita

1º Member: Doutor Pedro Barrulas

2º Member: Prof. Doutor José Mirão

1º Alternate: Doutora Catarina Miguel

2º Alternate: Prof.^a Doutora Teresa Ferreira

Advertising/notification of results: The final results of the evaluation will be publicized, through an ordered list by final grade obtained posted in a visible and public place Geosciences Department secretariat 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 9 to 24 June of 2022 and the results of the selection will be published by 30 of June of 2022.

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

Prof. Doutora Patrícia Moita
Departamento de Geociências, Universidade de Évora
Laboratório HERCULES

e-mail: pmoita@uevora.pt

