



**Mediterranean Institute for Agriculture, Environment and Development – MED**

**POST-DOCTORAL RESEARCH SCHOLARSHIP (1 position)**

**9 of June, 2022**

A call for tenders is open for 1 post-doctoral research Scholarship within the scope of the project “EROFIRE - Post-fire erosion risk assessment using molecular markers (PCIF-RPG-0079-2018)”, financed by national funds through Foundation for Science and Technology (FCT-OE), under the following conditions:

**Scientific area:** Biogeochemistry/ Natural resources and Environment/Statistic/Ecology

**Admission requirements:**

PhD in the area of Biogeochemistry/ Natural resources and Environment/Statistic/Ecology.

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 up to the end of the EROFIRE project’s budget, up to a maximum of 3 years.

**Work plan:**

The postdoctoral researcher must have practical experience in statistical modelling and multivariate analysis of wildfire ecological data, and the molecular composition of burned organic matter, which will improve the resolution of erosion risk models after forest fires. The use of advanced multivariate statistical tools allows the simultaneous processing of satellite, field, and molecular data. In addition, the postdoctoral researcher should be aware of the use of molecular analytical techniques such as analytical pyrolysis (Py-GC/MS), high resolution mass spectrometry and stable isotope analysis (IRMS). He/she will also play a relevant role in the collection of soil samples after fires (participation in different sampling campaigns). In addition, the postdoctoral researcher will participate actively in the production of scientific articles and their publication in international journals, as well as their presentation in national and international congresses in the area of wildfires. It is also required that the researcher has experience in mentoring, contributing to the training of the youngest researchers associated with the EROFIRE project. On the other hand, he/she will participate to scientific dissemination activities, which were contemplated in the project, namely through the approximation of the forest management community and non-scientific society with the research team.

**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](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 Hercules Laboratory of the University of Évora, under the scientific guidance of the Doctor Nicasio T. Jiménez-Morillo and the Doctor Ana Zélia Miller.

**Duration of the scholarship:** The scholarship will have a duration of 6 months, starting on September of 2022. The scholarship contract may be renewed up to up to the end of the EROFIRE project's budget.

**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.

**Selection methods:** The evaluation of the scientific and curricular career focuses on relevance, quality and up-to-datedness taking into account the previously defined profile:

- a. of scientific, technological, cultural or artistic production in the last 7 years, deemed most relevant by the candidate;
- b. of research activities, applied or based on practical work, developed in the last 7 years, deemed most impactful by the candidate;
- c. of knowledge extension and dissemination activities developed in the last 7 years, namely under the scope of the promotion of culture and scientific practices, deemed most relevant by the candidate;
- d. of the activities of management of science, technology and innovation programmes, or the experience in observing and monitoring the scientific and technological, or higher education, system in Portugal and/or in another country.

The 7-year period mentioned above can be extended by the panel, if requested by the candidate, whenever the suspension of scientific activities is reasoned by socially protected ground like paternity leave, long-term serious illness, and other legal situations of unavailability to work.

In the application of the mentioned criteria, the following parameters and weighting factors shall be evaluated:

**Criterion a)** with a weighting factor of 50%, which comprises

- a1)** Publications in indexed scientific journals, considering the quality of publication and their impact and considering the requirement of the area of specialization of the announcement;
- a2)** oral communications at international scientific meetings and conferences.

**Criterion b)** with a weighting factor 30%, which comprises

- b1)** Research Experience in relation with the requirements of the announcement,
- b2)** laboratory services related with the specialization of the announcement;

**Criterion c)** with a weighting factor of 5%, which comprises

- c1)** Knowledge Transfer and Technology Experience
- c2)** organization and participation at conferences and courses.

**Criterion d)** other relevant activities, including revision of scientific papers (considering the impact of the journal), with 5% weighting factor.

**Criterion e)** Public presentation with a weighting factor of 10%.

In all cases it will be given relevance to indicators and activities that fit in the area of Biogeochemistry/ Natural resources and Environment/Statistic/Ecology.

Candidate final classification system shall be given based on a scale of 0 to 100.

**Composition of the Selection Jury:**

President: Prof. Doctor **Nicasio T. Jiménez-Morillo**, Assistant Researcher at Mediterranean Institute for Agriculture, Environment and Development – MED, University of Évora

1<sup>st</sup> Vowel – Prof. Doctor **Ana Z. Miller**, Assistant Researcher at Hercules Laboratory, University of Évora

2<sup>nd</sup> Vowel – Prof. Doctor **João Francisco Gonçalves**, Post-Doctoral researcher at University of Porto.

1<sup>st</sup> Substitute – Prof. Doctor **Rui Salgado**, Associate Professor with Habilitation of the Department of Physic, University of Evora.

2<sup>nd</sup> Substitute – Prof. Doctor **António José Bento Gonçalves**, Associate Professor with Habilitation of the Department of Geography, University of Minho.

**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 at Hercules Laboratory-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 June 13, 2022 to June 28, 2022 and the results of the selection will be published by 11th July of 2022.

Applications must be formalized, obligatorily, by sending an application letter with the following documents: Curriculum Vitae, Doctorate thesis, motivation letter, recommendation letters 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. Doctor Nicasio T. Jiménez-Morillo  
Mediterranean Institute for Agriculture, Environment and Development – MED  
of the University of Évora  
email: [ntjm@uevora.pt](mailto:ntjm@uevora.pt)

