

1 Research Grant Announcement (M/F)

Call open for applications for a Research Grant within the framework of project Base Funding - UIDB/50020/2020 of Associate Laboratory LSRE-LCM – Laboratory of Separation and Reaction Processes – Laboratory of Catalysis and Materials, financed by national funds through FCT/MCTES (PIDDAC), under the following conditions:

Scientific Area: Chemical Engineering

Admission requirements: Candidates who cumulatively meet the following two requirements may apply for this grant:

Requirement 1:

- To be enrolled in a non-academic degree course integrated in the educational project of a higher education institution, developed in association or cooperation with one or more R&D units, requirement to be duly proven at the time of signing the contract.

Note: In the case of masters who are enrolled in non-academic degree courses, the scholarship can only be awarded to those who do not exceed, with this scholarship contract, including possible renewals, an accumulated period of two years in that typology of the scholarship, followed or interpolated.

or

- Be a student enrolled in a doctoral program in the area of Chemical and Biological Engineering, a requirement to be duly proven at the time of signing the contract.

and

Requirement 2:

- Hold a Master's degree in Chemical Engineering or related areas.

If the degree has been awarded by a foreign higher education institution, it must comply with the provisions of the Decree-Law no. 66/2018, of August 16th, and any formalities established there must be fulfilled until the time of signing the contract.

Activity Outline: The work will involve the preparation and characterization of heterogeneous metallic catalysts, and their application in CO₂ valorisation reactions for production of chemical products.

Legislation and regulations: Law N^o. 40/2004, of 18th August, in its current wording (Statutes of Scientific Research Fellow) and Regulation of Research Grants of Fundação para a Ciência e a Tecnologia, in force (

<https://www.fct.pt/apoios/bolsas/regulamento.phtml.pt>) and Regulation of Research Grants of University of Porto.

Work place: The work will be developed LSRE-LCM, Department of Chemical Engineering, Faculty of Engineering of the University of Porto (FEUP), under the scientific supervision of Doctor Olívia Salomé Gonçalves Pinto Soares and Professor Manuel Fernando Ribeiro Pereira.

Grant duration: Initial duration of **3 months**, with the predicted starting date in **october 2021**, eventually renewable, on an exclusive basis. The scholarship will be financed under the FCT funding for the LSRE-LCM for the period 2020-2023. After the end of this funding period, the scholarship, if renewed and if there is authorization from the FCT at the time of this renewal, will be financed by the funding that the LSRE-LCM obtains from the FCT.

The renewal will be done as determined in article 6 of the Research Grants Regulation of the Foundation for Science and Technology, I.P.

Stipend: The grant stipend varies between 1,104.64 euros according to the table of values of the grants awarded directly by FCT, I.P. (<https://www.fct.pt/apoios/bolsas/valores>) and 1,354.64 euros depending on the profile and previous experience of the candidate within the project area. In the case the amount exceeds 1,104.64 euros, the difference will be supported by FEUP own funds, not from project funds.

The Payment will be done by bank transfer.

Selection procedure:

Candidates will be selected through a curriculum evaluation followed by an interview.

The curriculum evaluation will focus on the candidate's merit, in which the following factors will be considered:

- a) Education: Master in Chemical Engineering - 5 points; Masters in related areas - 3 points; other Masters - 0 point.
- b) Master's final grade average: up to 13/20 – 3 points, 14/20– 4 points; equal to or greater than 15/20 - 5 points

This classification is determined as follows.

- In the case of an Integrated Masters: Integrated Masters classification.
- In the case of an n-year Bachelor's Degree + 2-year Master's Degree: $n/(n + 2) \times \text{Degree Rating} + 2/(n + 2) \times \text{Master's Rating}$.

c) Research experience: in the project area – up to 5 points; in areas related to the project – up to 3 points; outside the project area – 1 point.

Candidates who obtain a score equal to or greater than 13 points in the curriculum evaluation will be accepted for the interview. During the interview, topics related to the work plan will be discussed, less clear points in the candidate's CV will be clarified, and the fluency in Portuguese and English will be evaluated. The interview will have a maximum score of 5 points.

Candidates will be graded on a scale of 1 to 20 points. If the minimum score of 15 points is not achieved by any of the candidates, the scholarship will not be awarded.

Composition of the Selection Jury:

President: Professor Madalena Maria Gomes de Queiroz Dias

Effective member: Doutora Olívia Salomé Gonçalves Pinto Soares

Effective member: Professor Manuel Fernando Ribeiro Pereira

Supplementary member: Doutor João Monteiro de Oliveira Restivo

Supplementary member: Doutora Raquel Pinto Rocha

Advertisement of final decision: The results of the evaluation will be released to the candidates by email to the email address indicated in the application process.

Deadline for applications and form of presentation of the applications:

The call is open from **13-10-2021 to 26-10-2021** (until 23h59m, GMT time).

Applications must be formalized by email to dias@fe.up.pt and to recursoshumanos@fe.up.pt, clearly stating the reference **FEUP_BI_LSRELCM_Cat@CO2** and including the following pdf documents: Motivation letter, Copy of certificates evidencing academic degree (referring the classification of each separated or integrated degree), detailed Curriculum Vitae; Declaration on honor that the candidate fulfills the requirement contained in article 6 of the Regulation for Research Grants of the Foundation for Science and Technology, I.P. (model below, for student enrolled in a non-academic degree course integrated in the educational project of a higher education institution, developed in association or cooperation with one or more R&D units) and other documents considered relevant by the applicant. In order to assure that all documents can be read, the preferred saving format is the Portable Document Format (.pdf).

Declaration on honour

I, (identification of the scholarship holder), holder of the Citizen Card / Visa / Residence Permit no. valid until _____, declare under honour, to be in the conditions of no. 5 of article 6º of the Research Grants from FCT, IP - Regulation No. 950/2019, of 16 December.

Oporto, __/__/__

Signature

(scholarship holder)