

1 Research Grant Announcement (M/F)

Call open for applications for a research grant within the framework of project PTDC/BTA-BTA/2902/2021 - *PhotoBioValue - Light effect on photobioreactor design for microalgae cultivation: enhancement of photosynthetic efficiency and biomass value*, with DOI 10.54499/PTDC/BTA-BTA/2902/2021 (<https://doi.org/10.54499/PTDC/BTA-BTA/2902/2021>), funded by national funds (PIDDAC) through FCT/MCTES, under the following conditions:

Scientific Area: Bioengineering/Chemical Engineering/Environmental Engineering

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

Requirement 1:

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

or

- Holder of an academic degree 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, a 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.

and

Requirement 2:

- Hold a master's degree in Bioengineering/Chemical Engineering/Environmental Engineering or related field.

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: This work aims to study: (i) the microalgal valorization under environmental stress conditions; and (ii) the process integration of tested photobioreactors under the project PhotoBioValue.

Legislation and regulations: Law Nº. 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/financiamento/programas-de-financiamento/bolsas/>) and Regulation of Research Grants of University of Porto, in force.

Work place: The work will be developed at the Department of Chemical Engineering of the Faculty of Engineering of the University of Porto (FEUP), under the scientific supervision of Dr. José Carlos Magalhães Pires.

Grant duration: Initial duration until 31-12-2024, with the predicted starting date in **September 2024**, on an exclusive basis, eventually renewable but never exceeding the project duration.

If it is not possible to ensure the period estimated in the previous paragraph, this duration will be adjusted according to the end date of the project, and provided that the minimum duration of 3 consecutive months is guaranteed, in accordance with paragraph 3 of article 6 of the Research Grant Regulations of the Foundation for Science and Technology, I.P.

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

Stipend: The monthly amount of the grant varies between 1.259,64 euros, according to the table of values of the grants awarded directly by FCT, I.P. in Portugal <https://www.fct.pt/financiamento/programas-de-financiamento/bolsas/>, and 1300,00 euros, depending on the profile and previous experience of the candidate in the project area.

If the amount to be paid exceeds 1.259,64 euros, the remaining amount will be provided by FEUP funds, not coming from the funding. The payment will be made by bank transfer.

Selection procedure:

The curriculum of the candidates (60%) will be evaluated based on the merit of the candidate and the following factors will be weighted:

- a) Academic training (Master in Bioengineering/Chemical Engineering/Environmental Engineering - 5 points; Others Masters – 1 points);
- b) Academic training classification: average equal or higher than 16/20 - 5 points; average equal to 15/20 - 3 points; other - 0 points;
- c) Publications in the area of microalgal culture - 5 points, Publications in related areas – 3 points; Publications in other areas – 1 point;



d) Research Experience in the project area – 5 points; in related areas – 3 points; Other areas – 0 points. The curriculum of each candidate will be evaluated in a 1-20 points scale. Candidates with less than 13 points in the curricular evaluation will not be invited for the interview.

In the interview (40%) topics related with the work plan, experience and the candidate's CV will be discussed with the invited candidates.

Selection Jury:

President: Dr. José Carlos Magalhães Pires

Effective member: Dr. Tânia Sofia Granja Tavares

Effective member: Dr. Sofia Isabel Vieira de Sousa

Supplementary member: Professor Joana Maia Moreira Dias

Supplementary member: Professor Doutor Fernando Gomes Martins

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 **19-07-2024 to 01-08-2024** (until 23h59m, GMT time).

Applications must be formalized by email to jcpires@fe.up.pt and to recursoshumanos@fe.up.pt , clearly stating the reference **FEUP--LEPABE-PBV-BI4** 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



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e a Tecnologia

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)

