

Research Grant (BI) (1 vacancy)

Reference: 2022_072_BI_CTA_AMB

A competition is open for the attribution of 1 research grant in the framework of the Project **Sustainable antifouling agents: from grape wastes to the sea with the green chemistry leading the way**, reference **PTDC/CTA-AMB/0853/2021**, within the R&D Institution CIIMAR (Interdisciplinary Centre of Marine and Environmental Research), supported by FCT, according to the following conditions:

1. Scientific area: Pharmaceutical Chemistry

2. Admission requirements: The candidates must accomplish the following requisites:

- 1) hold an integrated master in Pharmaceutical Sciences or a master in Pharmaceutical Chemistry, with a final classification of at least 16 and be able to be enrolled in a PhD programme of a higher education institution or in a non-degree course integrated in the educational project of a higher education institution, developed in association or cooperation with one or several R&D units. Enrolment will be mandatory and proof necessary only at the moment of scholarship contracting.
- 2) speak and write fluently Portuguese and English.

Academic degrees awarded by a foreign higher education institution must comply with the provisions of Decree-Law no. 66/2018 of 16th August, which approves the legal regime of recognition of academic degrees and diplomas of Higher Education, attributed by foreign higher education institutions, being any formalities established therein fulfilled only by the date of the contracting act.

Preferred condition are training and/or experience in organic synthesis of xanthenes and enrollment in a PhD programme in Pharmaceutical Sciences of a higher education institution under the scope of this project.

3. Work plan: The selected candidate will be involved in the extraction of high-value compounds from grape wastes (Task 1) and in optimization of the chemical syntheses of nature-inspired antifoulants accordingly to the Green Chemistry principles (Task 2).

The candidate will:

- extract high-value compounds from grape wastes with green methodologies (Task 1);
- synthesize nature-inspired xanthenes with greener methods and with a purity >95% (Task 2);

The structures of all products will be established by spectroscopic methods (IR, NMR) and HRMS. The purity of each compound will be determined by DAD-HPLC and HRMS.

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4. Legislation and official rules: Law n.º. 40/2004, 18th August (Research Fellowship and Studentship Regulation) amended and republished by Decreto-Lei n.º 202/2012, 27th August; Regulations for Studentships and Fellowships of the Fundação para a Ciência e a Tecnologia, I.P. —and CIIMAR Grants Regulation approved by FCT.

5. Work place: The work will be carried out at the Laboratory of Organic and Pharmaceutical Chemistry, Faculty of Pharmacy of University of Porto, Porto (Natural Products and Medicinal Chemistry group of CIIMAR - Interdisciplinary Centre of Marine and Environmental Research) under the scientific supervision of the Principal Investigator of the Project, Prof. Marta Ramos Pinto Correia da Silva Carvalho Guerra and at Chemistry Department of University of Aveiro (CICECO - Centre for Research in Ceramics and Composite Materials), under the supervision of the consultant of the Project, Dr. Mara Guadalupe Freire Martins.

6. Duration of the contract: Duration of 24 months, starting in October 2022, under the regime of exclusive dedication.

7. Monthly salary: The monthly maintenance allowance is € 1144,64, in agreement with the monthly maintenance stipend table of the grants directly attributed by FCT, I.P. within the country (<https://www.fct.pt/apoios/bolsas/valores.phtml.en>). Payment will be made monthly by bank transfer. In addition to this allowance, the grantee will be covered by a personal accident insurance.

8. Selection methods: The ranking of candidates will be performed by an initial evaluation based on global Curriculum Vitae evaluation.

The candidates' CV score (CVS) will be the sum of the evaluation for the Academic Qualification (AQ) and the Professional Experience (PE), in accordance with the formula:

$$CVS = AQ + PE$$

The Academic Qualification (AQ) and the Professional Experience (PE) will evaluate the merit of the candidate, and are evaluated with the following subcriteria:

AQ. Overall assessment of the curriculum - will have a weighting of 50% and will evaluate the following sub-factors:

- academic degree and the final classification (40%);
- communications in scientific meetings (10%)

PE. Expertise / skills in the field of research indicated - will have a weighting of 50% and will evaluate the following subfactors:

- training and/or experience in organic synthesis (15%)
- training and/or experience in organic synthesis of xanthenes (30%)
- english writing experience (reports, dissertation) (5%).

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The jury reserves the right to not assign the research grant if none of the candidates meets all requirements and matches the desired profile.

Short-listed candidates with similar final scores may be invited to an interview. The interview will be classified in a scale of 0 to 20 values, and will be used to clarify aspects related to the candidate's motivation, having a maximum weight of 10% of the total evaluation. The interview is optional in the case of a single candidate in the previous conditions.

9. Composition of the jury selection:

President of the jury: Marta Ramos Pinto Correia da Silva Carvalho Guerra

Vogal: Professora Doutora Maria Emília Pereira de Sousa

Vogal: Doutora Diana I.S.P Resende

10. Form of Advertising/notification of results: The final results of the evaluation will be published through a list sorting the candidates according to their attributed mark, on the CIIMAR website and by e-mail.

After the announcement of the results, candidates are considered automatically notified to, if they wish to do so, comment on the results on a preliminary hearing period within 10 working days after that date, as provided for in the *Código do Procedimento Administrativo*.

The jury reserves the right to not assign the grant depending on the quality of the applications.

In case of resignation or withdrawal of the selected candidate, the next candidate with the highest evaluation score will be notified immediately.

Based on the final sorted list of the candidates it will be made a reserve list that will be used for the future recruitment of grantees for this project.

11. Deadline for application and presentation of applications: The competition is open from **19/09/2022 until 30/09/2022**. The applications must be formalized, compulsorily, by sending the following documents:

- detailed Curriculum vitae with contact e-mail address and phone number;
- copy of the eligibility certificates, specifying mandatorily the final classification;
- motivation letter with the indication of the reference of the competition (as indicated in this announcement), specifying the motivation for this project and if the candidate is able to be enrolled in a PhD programme, namely in Pharmaceutical Sciences.
- for degrees obtained abroad, conversion of the final classification (GPA) to the Portuguese classification scale (0-20);
- portuguese language proficiency certificate (not applicable for candidates from Portugal and those from the Portuguese-speaking countries);

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- any other documents that the candidates may recognize as relevant to demonstrate the adequacy to the function.

The applications should be sent by e-mail to: rh@ciimar.up.pt, with the reference 2022_072_BI_CTA_AMB. The applications that **do not include all** the elements previously indicated will **not be considered**.

12. Non-discrimination and equal access policy: CIIMAR actively promotes a non-discrimination and equal access policy, wherefore no candidate can be privileged, benefited, impaired or deprived of any rights whatsoever, or be exempt of any duties based on their ancestry, age, sex, sexual preference, marital status, family and economic conditions, instruction, origin or social conditions, genetic heritage, reduced work capacity, disability, chronic illness, nationality, ethnic origin or race, origin territory, language, religion, political or ideological convictions and union membership.

Pursuant to Decree-Law no. 29/2001 of 3 February, disabled candidates shall be preferred in a situation of equal classification, and said preference supersedes any legal preferences. Candidates must declare, on their honor, their respective disability degree, type of disability and communication/expression means to be used during selection period on their application form, under the regulations above.

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