

(BL194/2024)

Research Studentships (for students of a course that does not award an academic degree)

Applications are open for 1 Research Studentship, within the framework of project framework of "BLUE BIOECONOMY INNOVATION PACT" (Project N.º. C644915664-00000026) PRR financed by NextGenerationEU, under the following conditions:

Scientific Area: Chemical Engineering Sciences

Admission Requirements:

a) to hold a bachelor or master degree and be enrolled at a course that does not award an academic degree and it is integrated in the educational project of a higher education institution, performed in association or cooperation with one or several R&D units;

b) not to exceed with this contract, including the possible renovations, an accumulated period of one year in this type of studentship, continuously or with interruptions.

Workplan:

1. Microencapsulation studies of algae extracts and herbs extracts;
2. Characterization of the emulsions and microcapsules developed;
3. Feasibility studies of the microcapsules in canned food products;

Legislation and Regulations: Statute of Scientific Research Fellow, approved by Law nr. 40/2004, of August 18, as worded by Decree-Law nr. 123/2019, of August 28; <https://dre.pt/application/file/a/127230968> .

Workplace: The work will be developed at CERENA of Instituto Superior Técnico, Universidade de Lisboa, under the scientific supervision of Prof. Ana Clara Marques.

Duration: The research fellowship will have the duration of 10 months. It's expected to begin in December, 2024. Can be eventually renewed up to the maximum of 12 months, including the duration of the initial contract.

Monthly maintenance allowance: the amount of the monthly maintenance allowance is € 990,98 (for bachelor degree's holders) or € 1259,64 (for master degree's holders), being the payment method an option of the Fellow by Wire Transfer.

Selection methods: The selection methods will be the following: curricular evaluation, with possibility for individual interview, if such is necessary for the final ranking of the candidates. The curricular evaluation criteria will be as follows:

1. Experience in microencapsulation, study of emulsions and characterization of materials through spectroscopy techniques, thermogravimetry, rheology, among others, with the respective weight of 40;
2. Academic career. Bachelor's and master's degrees classification, and a specific weight attributed to indicators proving the qualifications mentioned above (e.g., quality of the master's thesis, oral or poster presentations at scientific meetings and participation as co-author in scientific publications), with the respective weight of 60.

Composition of the selection Jury:

Professora Ana Clara Lopes Marques (Departamento de Engenharia Química, Instituto Superior Técnico)

Professor Rui Miguel Galhano dos Santos Lopes (Departamento de Engenharia Química, Instituto Superior Técnico)

Professor Rodrigo da Silva Costa (Departamento de Bioengenharia, Instituto Superior Técnico)

Announcement/ notification of the results: The final evaluation results will be communicated to all applicants by email.

Application deadline and formalization: The call is open from October 4 until November 4, 2024.

It is mandatory to formalize applications with the submission of the following documents: i) B1 Form – Fellowship application (<http://drh.tecnico.ulisboa.pt/bolseiros/formularios/>); ii) *Curriculum Vitae*; iii) academic degree certificate, where applicable; iv) proof of enrollment at a course that does not award an academic degree; v) motivation letter; vi) declaration on honour that the applicant does not exceed with this contract an accumulated period of two years in this type of studentship, continuously or with interruptions.

Applications must be submitted to the email: ana.marques@tecnico.ulisboa.pt