

(BL73/2024)

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

Applications are open for one (01) Research Studentship within the framework of the project *InsectERA - A ERA da indústria dos insetos* at Instituto Superior Técnico (IST) (reference InsectERA_Contrato20-IST), financed by the European Union, through the NextGenerationEU, program “Agenda Mobilizadora para a Inovação Empresarial” and national funds through the “Instituto de Apoio às Pequenas e Médias Empresas e à Inovação” (IAPMEI) and the PRR - Recovery and Resilience Plan, under the following conditions:

Scientific Area: Chemical Engineering, Chemistry, Materials Engineering, Environmental Engineering or related areas

Admission Requirements:

- To hold a Master’s degree in Chemical Engineering, Chemistry, Materials Engineering, Environmental Engineering or related areas;
- To be enrolled at a course that does not award an academic degree.
- To present experience in areas relevant to the project, namely in chemical synthesis and physical-chemical and mechanical characterization of materials.

Workplan:

- Develop an efficient process to extract and isolate the chitin contained in the TM exuviae biomass.
- Develop an efficient process to convert chitin into chitosan.
- Develop suitable sustainable applications of TM based chitosan.

The objectives will be achieved within the framework of work package (WP) InIndustry of the *InsectERA - A ERA da indústria dos insetos* project. The adequate conduction of the workplan is pivotal for the progress of the *InsectERA - A ERA da indústria dos insetos* Project.

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; FCT Regulation for Research Studentships and Fellowships, available on <https://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2019.pdf> and <https://dre.pt/application/file/a/127230968>.

Workplace: The work will be developed at Centro de Química Estrutural (CQE) of Instituto Superior Técnico, Universidade de Lisboa, under the scientific supervision of Professor Luísa Margarida Martins and Doctor Ana Paula Ribeiro.

Duration: The research fellowship will have the duration of 6 (six) months. It’s expected to begin on may /june, 2024, and may be eventually renewed up to the maximum of 12 months, including the duration of the initial contract

Monthly maintenance allowance: According to the values for Research Fellowships awarded by FCT in Portugal (https://www.fct.pt/wp-content/uploads/2024/02/Tabela-de-Valores-SMM_atualizacao-2024.pdf), the amount of the monthly maintenance allowance is € 1259,64, being the payment method an option of the Fellow by Wire Transfer/Check.

Selection methods: Curriculum Evaluation, with eventual individual interview if necessary. The criteria used to evaluate the candidates’ curricula (with a weight of 0 - 20 points) will be as follows:

1. Adequacy and merit of the candidate's curriculum considering the area that competition is open (60%).
2. Participation in technological development projects (30%);
3. Number of scientific publications and communications (10%).

If the Jury considers that do not have the conditions for deciding based on Curricular Evaluation, an interview may be held, where the final score will be 60% for curricular evaluation and 40% for interview.

The jury reserves the right to not admit candidates for interview that do not reach the minimum classification of 10 points (in a scale from 0 to 20 points), as well as not to assign the research fellowship if among candidates there is no one who has a minimum final classification of 10 points.

The jury reserves the right to not assign the Research fellowship if none candidates reach the minimum score of 10 points in a scale of 0 to 20 points.

Composition of the selection Jury:

Professor Luísa Margarida Martins (Department of Chemical Engineering, Instituto Superior Técnico)

Doctor Ana Paula Ribeiro (Centro de Química Estrutural, Instituto Superior Técnico)

Doctor Marta Alexandra Alves (Centro de Química Estrutural, 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 April 19 until May 2, 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 an academic degree course v) motivation letter.

Applications must be submitted to the email: amalia.soares@tecnico.ulisboa.pt