

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

Note: FCT/Portugal 2030 (projeto Nº 16922 - LISBOA2030-FEDER-00820600)

Application is open for one Research Studentship, within the framework of project TomatoVal+ Extraction of functional and bioactive compounds from subproducts of tomato processing and valorization of them into potential biomedical applications, edible films and packaging.

Project (1801P.01554.1.01) Tomato+ 2023.17315.ICDT 00820600/CC930801) financed by FCT/Portugal 2030 (projeto Nº 16922 - LISBOA2030-FEDER-00820600) , under the following conditions:

Scientific Area: Biochemical Engineering and related engineering courses

Admission Requirements:

a) to hold a master degree

b) 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;

Workplan: The work plan of each grant is directly related to the tasks of the TomatoVal+ project in which the work will take place, namely:

- Extraction and characterization of monomers and chemical compounds extracted from biological sources, namely agricultural residues or industrial food production processes (e.g. tomato pomace).

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://dre.pt/application/file/a/127230968> .

Workplace: The work will be developed in the facilities located in the Industrial Zone of Mora/Évora of a Warehouse located in Lots 24-25, with about 500 m² and called "Pilot Scale Laboratory" provided by Conesa Portugal, S.A., to Instituto Superior Técnico and under the scientific guidance of Prof. Luis Joaquim Pina Fonseca.

Duration: The research fellowship(s) will have the duration of 12 months. It's expected to begin in Maio 2026, not renewed.

Monthly maintenance allowance: According to the values for Research Fellowships awarded by FCT in Portugal (<https://www.fct.pt/fct-atualizou-o-valor-das-bolsas-para-2026/>), the amount of the monthly maintenance allowance is €1359.64, being the payment method an option of the Fellow by Wire Transfer/Check.

Selection methods: The selection method is related to the application for the work plan and with training in chemical and biochemical analytical methods and experience in:

1. Extraction and characterization of monomers and chemical compounds extracted from biological sources, namely agricultural waste or industrial food production processes (40 points).
2. Experience in solid-liquid extraction of chemical and bioactive compounds via green chemistry and/or enzymatic processes (40 points).
3. Availability to start working from the month of May in the "Pilot Scale Laboratory" in the Industrial Zone of Mora, in the Warehouse located in Lots 24-25 provided by Conesa Portugal, S.A., to Instituto Superior Técnico and Prof. Luis Joaquim Pina da Fonseca (20 points).

The selection will be made based on the curriculum evaluation. Only in the event of a tie between candidates, or if any doubts arise, will an interview be held with the candidate(s).



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Composition of the selection Jury: Professors Luis Joaquim Pina da Fonseca, Marilia Clemente Velez Mateus e Helena Maria Rodrigues Vasconcelos Pinheiro, researchers of Instituto de Bioengenharia e Biociências (iBB), e professor of Departamento de Bioengenharia do Instituto Superior Técnico.

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

Deadlines and procedures of complaint and appeal. A complaint may be lodged from the final decision within 15 working days, or an appeal to the Executive Board of IST-ID within 30 working days, both counted from the respective notification

Application deadline and formalization: The call is open during from May 15 until May 28, 2026.

It is mandatory to formalize applications with the submission of the following documents: i) B1 Form – Fellowship application (<https://ist-id.pt/recursos-humanos/bolseiros/#documentos-relacionados>); 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;

Applications must be submitted to the email: luis.fonseca@tecnico.ulisboa.pt



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