

Post-Doctoral Research Fellowships

Applications are open for 1 (number) Post-Doctoral Research Fellowship(s), within the framework of the project InsectERA - A ERA da indústria dos insetos at Instituto Superior Técnico (IST-ID) (reference InsectERA), 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: Chemistry

Admission Requirements:

- a) *to hold a PhD degree obtained in the 3 years previously to the beginning of the fellowship contract;*
- b) *to have carried out the research work that led to the PhD degree in a different entity from the host institution of the fellowship;*
- c) *Not to exceed, with this fellowship contract, including the possible renovations, an accumulated period of 3 years in this type of fellowship, continuously or with interruptions;*
- d) *Not to have previously held a post-doctoral fellowship from IST-ID.*

Work Plan: Application of Biopolymers in Films and Other Polymeric Materials for Pharmaceutical and Medical Applications

Objective: Develop and evaluate the application of chitosan in polymeric films and composites, aiming to improve their mechanical, thermal, and functional properties, as well as explore potential industrial applications. Its biodegradability, along with its characterization, is also a key objective. The optical behavior of the samples will be relevant for the conclusion of the work.

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; IST-ID Regulation of Scientific Research Fellowships, available on <https://ist-id.pt/recursos-humanos/bolseiros/#documentos-relacionados> .

Workplace: The work will be developed at Centro de Química Estrutural of Instituto Superior Técnico under the scientific supervision of Doutora Ana P.C. Ribeiro.

Duration: The research fellowship(s) will have the duration of 8 months. It's expected to begin in May 2025. The contract is not renewable.

Monthly maintenance allowance: the amount of the monthly maintenance allowance is € 1851, being the payment method of the Fellow by wire transfer.

Selection methods: Curriculum Evaluation, with eventual individual interview. 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%).

In addition to the above-referenced requirements, candidates for the research grant must have a PhD in the scientific area of Chemical Engineering, Chemistry, Materials Engineering, Environmental Engineering or related areas.

Candidates must have a good command of the English language and have research experience in relevant areas to the project.

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 M.D.R.S. Martins, Doutora Marta M. Alves e Doutora Ana P.C. Ribeiro

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, or an appeal to the Executive Board of IST-ID, within 15 working days counted from the respective notification.

Application deadline and formalization: The call is open from April 14 until April 29, 2025.

It is mandatory to formalize applications with the submission of the following documents: i) B1 Form – Fellowship application (<https://ist-id.pt/concursos/bolsas/>); ii) *Curriculum Vitae*; iii) academic degree certificate; iv) motivation letter; v) declaration on honour that the applicant does not exceed with this contract an accumulated period of three years in this type of fellowship, continuously or with interruptions, within the technological and scientific system, and that the research work that led to the PhD degree was carried out in a different entity from the host institution of the fellowship.

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