

**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/R&D institution Tecnologias Sustentáveis para remoção de Micropoluentes de Água/IST-ID (PTDC/EAMBAMB/2023/2021, financed by national funds through FCT/MCTES (PIDDAC), under the following conditions:

**Scientific Area:** Chemistry or Chemical Engineering

**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 two years in this type of studentship, continuously or with interruptions.*

**Workplan:** The main objective of this work is the implementation in microfluidics of a separation process for the water purification using Deep Eutectic solvents. The work will have the following 3 tasks: i) preparation of microfluidic structures; ii) Continuous liquid-liquid extraction of pollutants using NADES using microfluidics; iii) continuous adsorption using impregnated NADES in microfluidics.

**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 Centrode Química Estrutural of Instituto Superior Técnico, under the scientific supervision of Prof. Isabel Marrucho and at The Institute of Bioengineering and Biosciences under the supervision of Prof. Ana Azevedo.

**Duration:** The research fellowship(s) will have the duration of 6 months. It's expected to begin in May 2024, and may be eventually renewed and the sum of the duration of the initial contract and any renewals may not exceed 12 months.

**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](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:** The selection methods will be the following: 50% curricular assessment and 50% adequate laboratory experience in thermodynamics of alternative solvents.

**Composition of the Jury:** Prof. Isabel Marrucho, Prof. Teresa Duarte, Prof. José Nuno Canongia Lopes.

**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 from March 27 until April 10, 2024.

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, where applicable; iv) motivation letter.

Applications must be submitted to the email: [isabel.marrucho@tecnico.ulisboa.pt](mailto:isabel.marrucho@tecnico.ulisboa.pt)