

(BL187/2022-IST-ID)

### Research Studentships PhD students

Applications are open for 1 Research Studentship(s), within the framework of project/R&D institution de I&D PTDC/QUI-ELT/2075/2020 financed by national funds through FCT/MCTES (PIDDAC), under the following conditions:

**Scientific Area:** Project and processes engineering – Materials and Energy

**Admission Requirements:** *To be enrolled at a PhD at the moment of the contract*

**Workplan:** To prepare and characterize polymer based materials for the development of self healing electrodes for electrochemical energy storage in supercapacitors. The work aims at optimizing polymers that are sensible to pH and electrolyte properties to create self repair functionalities capable of healing electrodes submitted to different forms of stress.

**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 CQE of IST-ID of, under the scientific supervision of Fátima Montemor and Carlos Baleizão

**Duration:** The research fellowship(s) will have the duration of 12 months. It's expected to begin in October 2022, and may be eventually renewed up to the maximum of 12 months.

**Monthly maintenance allowance:** According to the values for Research Fellowships awarded by FCT in Portugal (<http://www.fct.pt/apoios/bolsas/valores>), the amount of the monthly maintenance allowance is 1144,64 €, being the payment method an option of the Fellow by Wire Transfer/Check.

**Selection methods:** The selection methods will be the following: curricular evaluation, knowledge on the topic and laboratory experience, with the respective weight of 40%, 30%, 30% respectively.

**Composition of the selection Jury:** Carlos Baleizão, M. de Fátima Montemor, João Salvador

**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 September 16 until September 29, 2022.

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) proof of enrollment at an academic degree course (PhD); v) motivation letter;

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