

(BL98/2021-IST-ID)

### Post-Doctoral Research Fellowships

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

**Scientific Area:** Process Engineering and Project: Materials and Energy

**Admission Requirements:**

- a) *to hold a PhD degree obtained in the 3 years previously to the submission of the fellowship application;*
- 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.*

**Workplan:** development and characterization of conductive materials with self-healing functionalities for electrodes intended for redox supercapacitors for energy storage. The work aims to functionalize electroactive materials with self-healing functionalities and perform physical-chemical and electrochemical characterization. The objective is to increase the lifetime of electrodes and decrease loss of capacity.

**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 of Instituto Superior Técnico under the scientific supervision of Prof. Maria de Fátima Montemor, Prof. Teresa M. Silva and Prof. Carlos Baleizão.

**Duration:** The research fellowship will have the duration of 12 months. It's expected to begin in September 2021 and may be eventually renewed up to the maximum of 30 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 €1646.00, being the payment method an option of the Fellow by Wire Transfer/Check.

**Selection methods:** The selection methods will be the following: Curriculum evaluation, scientific experience in the area and interview with the respective weight of 50%, 25% and 25%.

**Composition of the selection Jury:** Fátima Montemor, Teresa M. Silva, Carlos Baleizão

**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 22 June until 31 August 2021.

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: [mfmontemor@tecnico.ulisboa.pt](mailto:mfmontemor@tecnico.ulisboa.pt)