

(BL132/2023-IST-ID)

Research Studentships PhD students

Applications are open for 1 Research Studentship(s), within the framework of project/R&D institution **2022.05187.PTDC** financed by national funds through FCT/MCTES (PIDDAC), under the following conditions:

Scientific Area: Project and processes engineering – Materials and Energy

Admission Requirements:

- a) *To be enrolled at a PhD (by the contract starting date).*
- b) *To hold a BSc or MSc degree*
- c) *To evidence experience in materials synthesis and characterization*

Workplan: To test and characterize novel electrodes based on carbon derived from Cork and their combinations with transition metal oxides to develop electrodes for supercapacitor applications. The work includes synthesis of the electrode materials, physico chemical characterization and electrochemical testing..

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 Teresa M. Silva

Duration: The research fellowship(s) will have the duration of 12 months. It's expected to begin in June/2023, and may be eventually renewed up to the maximum of 3 years.

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 1199,64 €, being the payment method an option of the Fellow by Wire Transfer/Check.

Selection methods: The selection methods will be the following: curricular evaluation, interview and laboratory experience, with the respective weight of 40%, 20%, 40% respectively.

Composition of the selection Jury: M. de Fátima Montemor, Teresa M. Silva, Marta Alves

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 April 20 until May 5, 2023.

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, when applicable; iv) proof of enrollment at an academic degree course (PhD); vi) motivation letter

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