

(BL138/2022-IST-ID)

Research Studentships Master or Integrated Master students

Applications are open for 1 Research Studentship(s), within the framework of project/R&D institution PTDC/EQU-EQU/4893/2021 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 in a master or Integrated Master program.*

Workplan: To develop and characterize novel electrolytes based on deep eutectic solvents, based on sustainable green formulations that will be combined with transition metal oxides to develop electrodes for supercapacitor applications. Materials to be used to prepare DES, liquid at room temperature, will be of low cost and not toxic. Work will be dedicated to optimization of these solvents.

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 prof. Isabel Marrucho

Duration: The research fellowship(s) will have the duration of 06 months. It's expected to begin in August/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 875,98 €, 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: Isabel Marrucho, M. de Fátima Montemor, Sónia Eugénio

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 July 18 until July 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 (Master, Integrated Master); v) motivation letter;

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