

(BL147/2024-IST-ID)

Research Studentships (PhD students)

Applications are open for 1 Research Studentship(s), within the framework of project PRR NGS - CQE (01313), financed by national PRR, under the following conditions:

Admission Requirements:

- a) *To be enrolled at a PhD.*
- b) *experience in electrochemistry and preparation of composite materials with graphene, cobalt and manganese for energy storage applications*
- c) *experience with ball milling*
- d) *publications in the specific topic*

Workplan: To develop by ball milling, novel composite materials made with graphene and manganese and cobalt. Test and characterization of the materials as electrodes for supercapacitors. Works are expected to be concluded within a PhD dissertation and published in scientific journals

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 – IST-ID, under the scientific supervision of MARIA DE FÁTIMA MONTEMOR

Duration: The research fellowship(s) will have the duration of 7 months. It's expected to begin in JUNE 2024, and may be eventually renewed up to the maximum of 10 months, including the duration of the initial contract.

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), 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: *Curriculum evaluation, individual interview (IN PRESENCE), experience in the area*, with the respective weight of 30%, 30% and 40%, respectively.

Composition of the selection Jury: MARIA DE FÁTIMA MONTEMOR, MARIA TERESA MOURA E SILVA, MARYNA TARYBA

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 19 until July 2, 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; iv) proof of enrollment at an academic degree course (PhD)

Applications must be submitted to the email: MFMONTEMOR@TECNICO.U LISBOA.PT