

(BL116/2023-IST-ID)

### Research Studentships for PhD student

Applications are open for 1 Research Studentship, within the framework of Green multi-action products for the sustainable conservation of historic porous building stones/ Centro de Química Estrutural, Associação do Instituto Superior Técnico para a Investigação e Desenvolvimento (IST-ID) (PTDC/ECI-EGC/2519/2020) financed by national funds through FCT/MCTES (PIDDAC), under the following conditions:

**Scientific Area:** *Civil engineering - Construction*

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

**Workplan:** Prepare, characterize and treat porous construction materials with important presence in the Portuguese built heritage - with commercial and multi-action products developed within the scope of the project; adjust multi-action treatments to improve their applicability and performances; evaluate the efficacy and compatibility of the treatments with the treated materials and select the most promising ones; assess the susceptibility to degradation of the most promising multi-action treatments. The student will cooperate in the validation of the efficacy and compatibility of the multi-action treatment with historical materials.

**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 (CQE), Instituto de Investigação e Inovação em Engenharia Civil para a Sustentabilidade (CERIS)* from *Associação do Instituto Superior Técnico para a Investigação e Desenvolvimento (IST-ID)* and Instituto Politécnico de Setúbal, under the scientific supervision of Doctor Bruno Sena da Fonseca and Prof. Ana Paula Ferreira Pinto.

**Duration:** The research fellowship will have the duration of 6 months. It's expected to begin in May 2023 and may be eventually renewed up to the maximum of 18 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 €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, knowledge on the topic and laboratory experience, with the respective weight of 50%, 25% and 25%.

In case of draw, individual interviews will be carried out; in that case, the respective weights are 40% for curricular evaluation, 20% knowledge on the topic, 20% laboratory experience and 20% for the interview.

**Composition of the selection Jury:** Doctor Bruno Sena da Fonseca, Prof. Ana Paula Ferreira Pinto e Prof. Maria de Fátima Grilo da Costa Montemor.

**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 11 until May 19, 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 degrees certificates, where applicable; iv) proof of enrollment at an academic degree course (PhD); v) motivation letter.

Applications must be submitted to the email: [bruno.fonseca@tecnico.ulisboa.pt](mailto:bruno.fonseca@tecnico.ulisboa.pt) indicating “Candidatura a Bolsa - GreenMAP” in the subject of the e-mail.