

Research Studentships for students of a course that does not award an academic degree

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, under the following conditions:

Scientific Area: Sciences of Chemical Engineering

Admission Requirements:

a) to hold a master degree and be enrolled at a course that does not award an academic degree and it is integrated in the educational project of a higher education institution, performed in association or cooperation with one or several R&D units;

b) not to exceed with this contract, including the possible renovations, an accumulated period of two years in this type of studentship, continuously or with interruptions.

Workplan: The workplan involves two tasks: i) studying the mineralogical and chemical changes that occur due to wet-dry cycles (above 15 cycles) and for natural aging for exposure times up to 1 year in the stone samples and multi-action products (commercial and developed within the project frame) used in the conservation of built heritage and ii) characterizing the mineralogical and chemical properties of historic movable substrates after the application of the multi-action products. A series of analytical chemical techniques will be employed in both tasks.

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)* from *Associação do Instituto Superior Técnico para a Investigação e Desenvolvimento (IST-ID)*, under the scientific supervision of Prof. Marta Alves and Prof. Bruno Sena da Fonseca.

Duration: The research fellowship will have a duration of 5 months and may be eventually renewed up to a maximum of 8 months, including the duration of the initial contract. It's expected to begin in February 2025.

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 € 1 259,64, being the payment method an option of the Fellow by Wire Transfer/Check.

Selection methods: The selection methods will be the following: i) classification of previous academic degrees; ii) Published papers in SCOPUS/WoS-indexed journals, as well as other publications and conference participations, focusing on topics relevant to the work plan; iii) laboratory experience in analytical chemical techniques applied to heritage materials, with the respective weight of 20%; 40%; 40%.

Composition of the selection Jury: Prof. Bruno Sena da Fonseca, Prof. Ana Paula Ferreira Pinto e Prof. 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



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Application deadline and formalization: The call is open from December 16 until December 30, 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) certificates of previous academic degrees; iv) proof of enrollment at a course that does not award an academic degree; v) motivation letter; vi) declaration on honour that the applicant does not exceed with this contract an accumulated period of two years in this type of studentship, continuously or with interruptions.

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



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