

**Research Studentships (Master or Integrated Master students)**

Applications are open for one Research Studentship, within the framework of project PTDC/ECI-EGC/1086/2021, associated to project CALCITE - Fixation mechanisms and durability of biocementation treatment of soils. Application to a real slope to prevent ravine development, financed by national funds through FCT/MCTES (PIDDAC), under the following conditions:

**Scientific Area:** Civil Engineering/Geotechnics

**Admission Requirements:** *Have bachelor degree in Civil Engineering and be enrolled at course to get Master degree in Civil Engineering.*

**Workplan:** The work predicted includes participating a case-study and performing experimental tests to treat a soil slope against ravine formation by biocementation. It presupposes the writing of a scientific article in English to be submitted to a conference.

**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 CERIS in IST (Lisbon), under the scientific supervision of Professor Rafaela Cardoso.

**Duration:** The research fellowship(s) will have the duration of 3 months, eventually renew until 5 months, and is expected to begin in December 2022.

**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 through curriculum evaluation (100%) carried out according to the following components: final classification of the Bachelor (30%), motivation letter (20%), average grades in the units of Geotechnics from bachelor and master degrees, such as Soil Mechanics, Geotechnical Structures I and II, and Characterization and Observation in Geotechnics, or equivalent (20%) and experience on experimental testing in Geotechnics (30%). If an interview is carried out, in the event of a tiebreaker, the weighting will be 70% for the curriculum evaluation and 30% for the interview. If none of the candidates have the appropriate profile, the scholarship will not be awarded.

**Composition of the selection Jury:** Professors Rafaela Cardoso, João Ferreira and Rui Carrilho Gomes.

**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 October 31 until November 14, 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: [rafaela.cardoso@tecnico.ulisboa.pt](mailto:rafaela.cardoso@tecnico.ulisboa.pt)