

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

Applications are open for one Research Studentship, within the framework of project/R&D institution CERIS BASE 2020-2023 / UIDB/04625/2020, associated to projeto transversal BIOSELANTE - Biocementation as concrete joint sealing technique applied to water reservoirs, financed by national funds through FCT/MCTES (PIDDAC), under the following conditions:

**Scientific Area:** Civil Engineering

**Admission Requirements:** *To be enrolled at an integrated master in Civil Engineering.*

**Workplan:** The work predicted include laboratorial tests to: (1) show that biocementation can be used as joint sealing technique in reservoirs (2) develop a method to apply this technique to seal joints with variable width ensuring they become impervious. It presupposes the development of a master's thesis on this topic and the writing of a scientific article in English to be submitted to a journal referenced in the ISI database.

**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 Professors Rafaela Cardoso, Inês Flores-Colen and Dídía Covas.

**Duration:** The research fellowship(s) will have the duration of 6 months, not renewable, and is expected to begin in July 2021.

**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 €835.98, 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: average of the classifications of the 1st and 2nd cycles so far of the Integrated Master degree in Civil Engineering and number of ECTS to be concluded (50%), motivation letter (20%), English language knowledge (20%) and experience in research or laboratory work (10%). 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, Inês Flores-Colen e Dídía Covas

**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 22 June until 5 July 2021.

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)