

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

Applications are open for 1 Research Studentship, within the framework of project SOLAR2CLEAN - Sistemas fotocatalíticos accionados por luz solar para purificação de águas residuais (PTDC/EQU-EQU/1056/2020), financed by national funds through FCT/MCTES (PIDDAC), under the following conditions:

**Scientific Area:** Chemical Engineering Sciences and related areas

**Admission Requirements:** *To be enrolled at an integrated master or a master.*

**Workplan:** Study of photocatalytic systems powered by solar light for waste water purification, including photocatalysis studies for methyl orange and minocycline degradation.

**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 Recursos Naturais e Ambiente (CERENA) of Instituto Superior Técnico, under the scientific supervision of Professor Ana Clara Lopes Marques e Dr<sup>a</sup> Beatriz Barrocas.

**Duration:** The research fellowship will have the duration of 6 months. It's expected to begin in February 2024. Not renewable.

**Monthly maintenance allowance:** According to the values for Research Fellowships awarded by FCT in Portugal ([https://www.fct.pt/wp-content/uploads/2023/02/Tabela-de-Valores-SMM\\_2023.pdf](https://www.fct.pt/wp-content/uploads/2023/02/Tabela-de-Valores-SMM_2023.pdf)), the amount of the monthly maintenance allowance is € 930,98, being the payment method an option of the Fellow by Wire Transfer/Check.

**Selection methods:** The selection methods will be the following: curricular evaluation (50%) and experience relevant to the project (50%): (i) synthesis and characterization of porous particles, including photocatalysis studies, (ii) student at training actions on microencapsulation and preparation of porous particles and nanoparticles. An interview may be held if justified, for tie-breaking purposes.

**Composition of the selection Jury:** Prof. Ana Clara Lopes Marques; Dr. Beatriz Barrocas; Prof. Rui Galhano Lopes

**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 January 24 until February 6, 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, where applicable; iv) proof of enrollment at an academic degree course (Master, Integrated Master);

Applications must be submitted to the email: [ana.marques@tecnico.ulisboa.pt](mailto:ana.marques@tecnico.ulisboa.pt)