CALL FOR APPLICATIONS

ANNOUCEMENTE OF ONE RESEARCH FELLOWSHIP FOR MASTER'S DEGREE HOLDER

Reference PRBI 35/2026

Applications are invited for one Research Fellowship for Master's degree holders (BI) within the project "**ResSuDSCita – Resilient and Sustainable Drainage Systems for Cities**", code **CENTRO2030-FEDER-03862500**, of the **Polytechnic University of Coimbra**, approved under Call **CENTRO2030-2025-35 – SACCCT – European Context Science Projects**, co-funded by the **European Regional Development Fund (ERDF)** through the **Centre Regional Programme 2021–2027 (Centro 2030)**, within **Portugal 2030**, under the conditions set out below.

The fellowship aims to support the implementation and development of the following project activities:

1) Characterisation of the current situation in the Coimbra case study.
2) Monitoring of existing green infrastructure.
3) Integration of circular materials into Sustainable Urban Drainage Systems (SuDS).
4) Development of city models and mapping of areas.
5) Communication and dissemination of results.

Broad scientific area: Engineering and Technology

Specific scientific area: Civil Engineering; Environmental Engineering

Eligibility requirements:

- Hold a Master's degree in Civil Engineering, Environmental Engineering or related fields.

- Applicants holding a higher education qualification obtained abroad must have their degree recognised, where applicable.

- Be enrolled in a doctoral programme or a non-degree course.

- Oral proficiency in Portuguese and English.

- The following are preferential factors, assessed under evaluation criterion B:

a) Experience in laboratory work, particularly conducting experimental tests and physicochemical characterisation of materials;

b) Experience in environmental and hydrological monitoring, and the collection, processing and analysis of experimental data;

c) Experience using data analysis tools and/or Geographic Information Systems (GIS).

Work plan:

The work plan will be carried out at the Coimbra Institute of Engineering and the Coimbra School of Agriculture of the Polytechnic University of Coimbra and will include the following tasks:

1) Collaborate in characterising existing urban drainage systems in the Coimbra case study, including the collection, organisation and analysis of environmental, hydrological and water-quality data, to identify the main environmental impacts associated with conventional drainage systems;
2) Participate in defining environmental and hydrological indicators and implementing monitoring methodologies for green infrastructure and SuDS, including the collection, processing and interpretation of the resulting data;
3) Collaborate in the physical, chemical and environmental characterisation of recycled materials and industrial by-products with potential applications in SuDS, by conducting laboratory tests and assessing their technical and environmental suitability.
4) Participate in planning, implementing and monitoring experimental tests and sustainable drainage pilot systems, including assessing hydraulic performance, water quality and potential environmental impacts associated with the materials used.
5) Collaborate in collecting, organising and analysing geographical and environmental information using Geographic Information Systems (GIS) tools to support the characterisation of urban surface sealing, identification of critical areas and assessment of environmental risks associated with urban drainage.
6) Participate in data processing and analysis, interpretation and discussion of results, and preparation of technical and scientific reports, conference presentations and scientific articles within the project.
7) Participate, when requested, in events and initiatives relevant to the project;
8) Other tasks identified as necessary within the project.

Fellowship duration:

The fellowship will last 12 (twelve) months, on an exclusive-dedication basis, in accordance with the Research Fellowship Regulations of the Polytechnic University of Coimbra, with an expected start date of January 2027.

The fellowship may be renewed in the case of students enrolled in doctoral programmes.

CENTRO 2030 Os Fundos Europeus mais próximos de si.

PORTUGAL 2030

Cofinanciado pela União Europeia

Monthly maintenance allowance:

EUR 1,359.64, in accordance with the table of amounts for Research Fellowships in Portugal awarded by FCT, I.P. (https://www.fct.pt/wp-content/uploads/2026/03/Tabela-de-Valores-SMM-2026.pdf), payable monthly by bank transfer.

In addition, voluntary social insurance contributions corresponding to the first contribution bracket will be covered if the fellow chooses to enrol, and personal accident insurance will also be provided.

Workplace:

The work will be carried out at the Coimbra Institute of Engineering and the Coimbra School of Agriculture, under the scientific supervision of Professors Joaquim Sousa, Luís Araújo Santos and Teresa Fragoso.

Selection criteria:

Applications will be assessed on a scale of 0 to 20 points, according to the following criteria:

A) Academic qualifications: suitability of the field of study to the work plan and final Master's degree grade (25%);
B) Experience relevant to the work plan (35%):

B1) laboratory work and materials characterisation tests (15%);

B2) environmental and hydrological monitoring and data analysis (10%);

B3) use of Geographic Information Systems (10%);

C) Technical and scientific output: reports, presentations and articles (10%);
D) Interview: motivation, knowledge of the project and oral communication in Portuguese and English (30%).
The final score (FS) is calculated as follows: FS = 0.25 A + 0.35 B + 0.10 C + 0.30 D.
Up to 5 (five) applicants with the highest weighted average scores in criteria A, B and C will be invited to interview, provided that they obtain a score of at least 10 points at that stage.
In the event of a tie, the score obtained under criterion B shall prevail.
The selection panel reserves the right not to select any applicant if none has the appropriate profile for the duties.

Selection panel:

The selection panel will comprise Professors Joaquim Sousa (Chair), Luís Araújo Santos and Teresa Fragoso (full members), and Professors Silvino Capitão and António Correia (alternate members). The Chair shall be replaced, in the event of absence or impediment, by the first full member.

Documents to be submitted:

Applications must include the following documents:

- Application form available on the webpage for this selection procedure at https://www.ipc.pt/sobre/rh/a-decorrer-bolseiros/.
- Documents proving that the applicant meets the eligibility requirements, namely:
    1. Certificate of qualifications; applicants holding a higher education qualification obtained abroad must have their degree recognised, where applicable.
    2. For applicants who are not native speakers from countries where Portuguese is an official language: a certificate of Portuguese language proficiency at level B2 or higher, according to the Common European Framework of Reference for Languages. An English language certificate at level B2 or higher may also be submitted optionally. Oral English proficiency will in all cases be assessed during the interview;
    3. Applicant's curriculum vitae;
    4. Motivation letter;
    5. Proof of enrolment and registration in a doctoral programme or non-degree course;
    6. Any other documents the applicant considers relevant to the application.

Application period:

10 working days, from 13/11/2026 to 26/11/2026.

Applicants must access and register on the website https://www.ipc.pt/bupc/concursos/form/concursos_bolseiros to submit their application, selecting the procedure for which they wish to apply.

Applications must be submitted exclusively in digital form. Supporting documents must be in Portable Document Format (PDF), except where submission in other digital formats is specified.

Applications are completed by filling in the sections available at the above website.

When submitting an application containing a classified document that discloses a trade or industrial secret, or a secret relating to literary, artistic or scientific intellectual property, the applicant must expressly indicate this restriction; otherwise, the document may be freely accessed by any other applicant when consulting the selection file.

When submitting an application, applicants must provide only the personal data strictly necessary for this purpose, in accordance with this notice, and must conceal any personal data contained in the submitted documentation; otherwise, such data may be freely accessed by other applicants when consulting the selection file.

Applicable legislation and regulations:

The award of the fellowship is governed by the following legal instruments:

- Law No. 40/2004 of 18 August (Statute of Scientific Research Fellows), amended and republished by Decree-Law No. 202/2012 of 27 August, and updated by Decree-Law No. 233/2012, Law No. 12/2013 and Decree-Law No. 89/2013;
- Regulations on Research Fellowships of the Foundation for Science and Technology currently in force;
- Order No. 5963/2020, published in the Official Gazette, Series II, on 01/06/2020, of the Polytechnic Institute of Coimbra (Research Fellowship Regulations of the Polytechnic Institute of Coimbra), amended by Rectification Declaration No. 742/2020 of 30 October.

The fellowship contract template and the final report templates to be completed by the fellow and the scientific supervisor are those included in the annexes to the above-mentioned Statute of Scientific Research Fellows.

Publication/notification of results:

The evaluation results will be announced within 30 working days of the application submission deadline by email notification to applicants. Following publication of the results, applicants will be notified that they may, if they wish, submit comments as part of the prior hearing procedure within a maximum of 10 working days. After this period, selected applicants must confirm their acceptance in writing and communicate the actual fellowship start date within 10 working days of notification of the final decision. Unless an acceptable justification is provided, failure to submit the declaration within this period shall be deemed a waiver of the fellowship. If the selected applicant declines or withdraws, the next highest-ranked applicant will be notified.

Non-discrimination and equal access policy:

The Polytechnic University of Coimbra actively promotes non-discrimination and equal access. Accordingly, no applicant may be favoured, benefited, disadvantaged, deprived of any right or exempted from any duty on grounds including ancestry, age, sex, sexual orientation, marital status, family circumstances, economic circumstances, education, social origin or status, genetic heritage, reduced working capacity, disability, chronic illness, nationality, ethnic origin or race, territory of origin, language, religion, political or ideological beliefs, or trade union membership.

For further information, please contact Professor Joaquim Sousa by email: jjoseng@isec.pt.

Coimbra, October 2026