EDITAL

RESEARCH GRANT ANNOUNCEMENT (BII)

Reference/PRBI/36/2026

A call is now open for the award of one Research Initiation Grant (BIi) within the scope of the project VirtualTextiLab - Desenvolvimento de um laboratório virtual para a otimização de produtos têxteis funcionais e sustentáveis em open source (Ref: COMPETE2030-FEDER-00900100- 15328), co-financed by Portugal 2030 "Fundo Europeu de Desenvolvimento Regional (FEDER)", within the Programa Temático Inovação e Transição Digital - Compete 2030, under the following conditions.

The grant will focus on implementing and developing the following activities:

1) Extraction of natural dyes from various plant materials and their characterisation;

2) dyeing textiles and assessing colour fastness;

3) Processing of results;

(4) Support for the coordination of project dissemination activities.

General scientific field: Chemical Engineering, Biological Engineering and related areas

Specific scientific field: Chemical and biological engineering and related areas.

Admission Requirements:

- Hold a bachelor´s degree in Bioengineering or Biological Engineering;

- Be enrolled in a Master's degree or a non-degree awarding course in a related area;

- If the candidate holds a higher education degree obtained abroad, they must have the respective degree recognition, if applicable;

- Oral and written fluency in Portuguese and English.

- With experience in:

a) working in chemical and biological analysis laboratories and on separation processes;

b) techniques for the qualification and quantification of bioactive compounds;

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c) statistical analysis of experimental results.

Work Plan:

The work plan will be carried out in the laboratories of the Department of Chemical and Biological Engineering at the Instituto Superior de Engenharia de Coimbra (Polytechnic University of Coimbra), and will include the following tasks:

1) Extraction of natural dyes from various plant materials;

2) Qualitative phytochemical characterisation of the extracts, along with various chemical and biological analyses.

(3) dyeing tests on various textiles and rapid tests to evaluate colour fastness;

(4) Colour measurement of the dyed textiles and statistical analysis of the results;

(5) Other development tasks identified as necessary within the scope of the project.

Grant Duration:

The grant will have a duration of 6 (six) months and may be renewed for an additional period of 3 (three) months, on an exclusive dedication basis, in accordance with the Research Fellowship Regulations of the Polytechnic Institute of Coimbra, the Research Fellowship Regulations of the Foundation for Science and Technology, I. P., where applicable, and all other applicable legislation and regulations, with an expected starting date in (February/March]) 2027.

Monthly Maintenance Allowance:

701.12 euros, in accordance with the table of values for national research grants awarded by FCT, I.P. (https://www.fct.pt/wp-content/uploads/2026/03/Tabela-de-Valores-SMM-2026.pdf), with payment made on a monthly basis via bank transfer.

In addition to this amount, the cost of voluntary social security coverage (corresponding to the first level) will be covered if the candidate opts for enrolment, and personal accident insurance will also be provided.

Work Place:

The work will be carried out at the Coimbra Institute of Engineering, which is part of the Polytechnic University of Coimbra, under the scientific supervision of Professor Maria Nazaré Coelho Marques Pinheiro.

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Selection Methods:

The criteria for evaluating applications are as follows:

- Curriculum evaluation (60%);

- Experience with laboratory work (20%);

- Candidate's motivation and availability to participate in the project (20%).

An interview may be conducted if it becomes necessary to break a tie between candidates and/or to request clarification regarding professional experience.

The jury reserves the right not to select any candidate if none possess the appropriate profile for the performance of the tasks.

Juri Composition:

The jury responsible for the selection process will be composed of the following professors:

Effective members:

Professora Doutora Maria Nazaré Coelho Marques Pinheiro, ISEC / UPC (President)

Doutora Soraia Ferreira Neves, Resercher CEFT / FEUP (vogal)

Doutora Erica Doutel Costa, Resercher CEFT / FEUP (vogal)

Alternate members:

Professora Doutora Maria João da Anunciação Moreira, ISEC / UPC

Professor Doutor António Luís Pereira do Amaral, ISEC / UPC

Documents to be submitted

Applications must include the following documents:

- The application form is available on the webpage dedicated to this call for applications, at: https://www.ipc.pt/ipc/sobre/rh/a-decorrer-pessoal-bolseiro;
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- Official academic degree certificate with final grade;
- Updated Curriculum Vitae;
- Cover letter clearly stating the candidate's motivation for the proposed work plan and their availability to
- start the Grant, addressed to the president of the jury;
- Any other documents/certifications that the candidate considers relevant to include in their application.

Application Deadline

10 working days, from 11/11/2026 to 23/11/2026.

Candidates must register and submit their applications thought the following webpage: https://www.ipc.pt/bupc/concursos/form/concursos_bolseiros applicants should select the specific procedure to which they intend to apply.
Applications must be submitted exclusively in digital format, in portable document format (pdf) files, except where other digital formats are expressly required.

The application process is completed by filling in the sections available on the above-mentioned link.
When formalizing the application, if it contains a classified document that reveals commercial or industrial secrets, or secrets relating to literary, artistic or scientific property, the candidate must expressly indicate such reservation, under penalty of the work in question being freely accessed by any one of the other candidates, in consultation with the process.

When submitting the application, the candidate must provide the data strictly necessary for the purpose, under the terms of this public notice, and must hide personal data that may exist in the documentation submitted, otherwise these data may be freely accessed by any of the other candidates, in the process query.

Na apresentação da candidatura o candidato deve fornecer os dados estritamente necessários para o efeito, nos termos do presente edital, devendo ocultar dados pessoais que possam existir na documentação entregue, sob pena destes dados poderem ser livremente acedidos por qualquer um dos demais candidatos, em sede de consulta de processo.

Applicable Legislation and Regulations:

The award of the research grant is governed by the Research Fellowship Holder Statute, approved by Law No. 40/2004 of 18 August, in its current wording; the Research Fellowship Holder Regulations of the Polytechnic Institute of Coimbra, approved by Order No. 5963/2020 of 1 June, in its current wording; the Research Fellowship

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Regulations of the Foundation for Science and Technology, I. P., where applicable; the specific rules of the funding body and the relevant funding programme; and all other applicable legislation and regulations.

Publication / Notification of Results

The evaluation results will be announced within 90 working days of the application submission deadline via email to the candidates. Following the announcement of the results, candidates will have the opportunity to provide input during a preliminary hearing within 10 working days of the announcement. Upon the expiration of this period, the selected candidates must declare their acceptance in writing; failure to submit this declaration within the aforementioned timeframe, without valid justification, will be considered a withdrawal. In the event that a selected candidate declines or withdraws, the next highest-ranked candidate will be notified.

For further information, please contact: Professor Maria Nazaré Coelho Pinheiro, Coimbra Institute of Engineering of the Polytechnic University of Coimbra, e-mail: mnazare@isec.pt

Coimbra, novembro de 2026

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