

NOTICE OF COMPETITION FOR THREE POSTDOCTORAL RESEARCH GRANTS IN THE AREA OF SCIENCE AND TECHNOLOGY – DOCTORATE LESS THAN 3 YEARS AGO – SINES NEXUS PROJECT

Bearing in mind Regulation No. 437/2020 on Research Grants of the Polytechnic Institute of Setúbal, published in the 2nd series of the Official Gazette No. 83, of April 28, it is made public that, by order of 11-11-2025 from the President of the IPS, a competition is open for the award of **three Postdoctoral Research Grant (PDRG) aimed at carrying out R&D activities** for doctorates **with less than 3 years' experience**, within the scope of the Sines Nexus project, financed through Recovery and Resilience Program (PRR) **with the period for receiving applications from 19-11-2025 to 03-12-2025**, in accordance with the following conditions:

- 1. Duration of the Scholarship** - The scholarship has a maximum duration of 6 months or less, with a minimum of 3 months, if it starts after 1 January 2026, ending with the completion of the Sines Nexus project on 30 June 2026.
- 2. Recipients** - The scholarship is intended for candidates with the following profile:
 - PhD graduates within the last three years in one of the following areas of Science and Technology: Chemistry, Environment, Science or Data Analysis, Statistics, Computer Science, Mathematics, Biology or related fields;
 - Sense of responsibility and ability to communicate and integrate into multidisciplinary work teams.
- 3. Financial component** - According to the Table, contained in Annex I to the FCT Scholarship Regulation, approved by Regulation No. 950/2019, published in the Diário da República, 2nd series of December 16 (updated version), the value of the Scholarship corresponds to € 1851,00 being paid monthly, by bank transfer.
- 4. Workplace** - The work will be carried out on an exclusive basis at the Department of Industrial Engineering and Natural Resources of the Setúbal School of Technology under the scientific supervision of Professors Ana Mata (2 fellows) and Ricardo Salgado (1 fellow).
- 5. Activity plan** - The candidate will perform functions in one of the Work Packages 8 (WP) in which IPS is participating:
 - WP8 – Eco-friendly and energy solutions for ports and logistics

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6. Assessment and ranking criteria:

6.1. Curriculum and Motivational Letter Assessment (CV+ML) – (scale of 0-15 values)

a) Advanced Training Assessment (weighting of 0,10) - maximum 15 values

PhD obtained less than 3 years ago in one of the following areas of Science and Technology: Chemistry, Environment, Data Science or Analysis, Statistics, Computer Science, Mathematics, Biology.	15 val.
PhD obtained less than 3 years ago in a related area	10 val.

b) Knowledge of data analysis (weighting of 0,10) - maximum 15 values

With advanced knowledge and experience in data analysis	15 val.
With knowledge and experience in data analysis	10 val.
With knowledge in data analysis	5 val.
No knowledge in data analysis	0 val.

**c) Analysis of knowledge in the field of physical and chemical laboratory analysis
(weighting 0,10) - maximum 15 values**

With advanced knowledge and experience in physical-chemical laboratory work including chromatography	15 val.
With advanced knowledge and experience in physical-chemical laboratory work	10 val.
With knowledge of physical-chemical analysis	5 val.
No knowledge of physical-chemical analysis	0 val.

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**d) Analysis of knowledge in data analysis programming (weighting 0,10) -
maximum 15 values**

With advanced knowledge and experience in programming work involving data collection and statistical processing in different interfaces	15 val.
With advanced knowledge in programming work involving data collection and statistical processing in different interfaces	10 val.
With knowledge in programming	5 val.
Without knowledge of physical-chemical analysis	0 val.

e) General analysis of the Curriculum Vitae (weighting 0,40) - maximum 15 values

Very good	15 val.
Good	10 val.
Satisfactory	5 val.
Unsatisfactory	0 val.

**f) Overall assessment of the Letter of Motivation (weighting 0,20) – maximum 15
points**

Very good (presents motivational factors related to the activities to be performed as a scholarship holder, duly framed within the role)	15 val.
Good	10 val.
Satisfactory	5 val.
Unsatisfactory	0 val.

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6.2. Selection Interview (scale of 0-5 values)

In the interview, 4 evaluation parameters are defined and their classification results from the following formula: $E=MI+TTK+CS+VEF$

- Motivation and Interest (MI)
- Theoretical and Technical Knowledge (TTK)
- Critical Sense (CS)
- Verbal Expression and Fluency (VEF)

Each parameter is valued from 0 points to 1.25 points according to the candidate's demonstration of competence or behavior.

When specified in the competition notice, the interview is a mandatory and eliminatory selection method.

6.3. The classification of each candidate will be calculated by the sum of the values obtained in the **CURRICULAR EVALUATION, MOTIVATION LETTER** and in the **SELECTION INTERVIEW**.

6.4. The classification of each candidate will be calculated by the sum of the values obtained in the selection methods specified in the previous point and the ordering of the candidates will be expressed on a scale of 0 to 20 values, rounded to the nearest tenth.

6.5. For the candidate to be admitted, they must achieve a minimum total classification of 9.5 values and must have obtained at least half of the maximum possible score in Curriculum Assessment method.

6.6. In the event of a tie, the one who achieved the highest rating in the Interview component will be used as the tiebreaker.

6.7. Based on the final ranking list, a recruitment reserve will be created, which will be used to potentially hire successful candidates in the event of withdrawal from those placed in positions eligible for hiring.

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7. Application documents - The application must be accompanied by the following documentation:

- Letter of motivation addressed to the President of the IPS;
- Candidacy form (signed);
- Detailed CV;
- Certificates of qualifications for academic degrees held;
- Proof of residence permit in Portugal (for applicants without Portuguese citizenship).

8. How to submit your application - The application must be made by filling out the standard form, available on the IPS website, at www.ips.pt and sent to bolsas.investigacao.dgp@ips.pt or through the address, Campus do IPS, Estefanilha, 2910 761 Setúbal, until the application deadline.

9. The jury is made up of:

President

Doutora Ana Maria Álvares Tavares da Mata, Professora Adjunta da Escola Superior de Tecnologia de Setúbal/IPS.

Effective vowels

Doutor Ricardo Nunes Manuel Salgado, Professor Adjunto da Escola Superior de Tecnologia de Setúbal/IPS;

Doutor Nuno Miguel Formiga Borges, Investigador Auxiliar do Instituto Politécnico de Setúbal.

Substitute members

Doutor Luís Manuel Rodrigues Coelho, Professor Coordenador da Escola Superior de Tecnologia de Setúbal/IPS;

Doutor Pedro Miguel Emídio Félix, Professor Adjunto da Escola Superior de Tecnologia de Setúbal/IPS.

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10. Applicable legislation and regulations - The scholarship is awarded under Law No. 40/2004 of August 18, in its updated version (Statute of the Scientific Research Fellow) and Regulation of Scholarships and Research of the Foundation for Science and Technology, available for consultation at <https://www.fct.pt/apoios/bolsas/regulamento.phtml.pt>

Instituto Politécnico de Setúbal.