

Lisbon Polytechnic Institute

Public Notice

Under the terms and conditions of Articles 3, 5, 10-B, 15, 15-A, 17 and 29-B, of the Career Statutes for Teaching Staff in Higher Polytechnic Education (ECPDESP), sanctioned by Decree-Law No. 185/81, of 1 July, in its republication as it appeared in Decree-Law No. 207/2009, of 31 August, and by Law No. 7/2010, of 13 May, together with Dispatch No. 1979/2010, published in Diário da República, Series II, No. 19, of 28 January, amended by Amendment Declaration No. 244/2010, published in Diário da República, Series II, No. 26, of 8 February, and Order no.4127/2025, published in Diário da República, Series II, No. 64, of 1 April, which sanctioned the Regulations for Applications for the Recruitment of Teaching Staff for the Lisbon Polytechnic Institute (IPL), it is hereby made public, by order of the President of the IPL, of 31 March 2025, under the powers provided for in Article 92(1)(d) of Law No. 62/2007 of 10 September, and Article 30(1)(d) of the Normative Dispatch No. 5/2025, of 10 April, published in Diário da República Series II, No. 71 of 10 April that, for a period of 30 working days from the publication of this notice in Diário da República, applications are now invited for the purpose of filling one teaching vacancy in 2025 for an Adjunct Professor at the Lisbon Polytechnic Institute/Lisbon Higher Institute of Engineering, in the Department of Chemical Engineering, for the subject area of Biomedical Engineering.

1 — Type of selection process — Document Based

2 — Category — Adjunct professor

3 —Subject Area — Biomedical Engineering in the Department of Chemical Engineering

4 — Time period - The selection process ends once the vacancy contained in the public notice is filled, as provided for in Article 38 of Order no. 1979/2010, of 28 January.

5 — Functional Content — As described in Article 3(4) of ECPDESP.

6 — Applicable legal relation mode — Public service employment contract for an indefinite period with a trial period of five years, in accordance with Article 10-B of ECPDESP.

7 — Admission requirements - Applications for the above-mentioned post should meet the conditions laid down in Article 17 of ECPDESP and hold a PhD or Specialisation in Biomedical Engineering, Bioengineering or Biological Engineering.

7.1 — Candidates must be able to speak and write in Portuguese.

7.2 — Candidates of foreign nationality, except those from Portuguese-speaking countries, must demonstrate knowledge of written and spoken Portuguese at a reference level description of B1 or higher. This requirement is officially recognized through a certificate or diploma of communicative competence in Portuguese of the Common European Framework of Reference for Languages, of the Council of Europe.

7.3 — This must meet the requirements referred to in 7.2 before the deadline for submitting applications under this selection process.

8 — Applications — Formal applications should be submitted to the President of the Lisbon Polytechnic Institute, sent to the following email address: cd.pa.deq.EB.20@isel.pt

9 — Application requirements — Submission of the following information is mandatory: full name; parents' names; date and place of birth; number and date of identification document; home address and telephone number; marital status; academic qualifications and final grade; professional category and position currently held; identification of the position the candidate is applying for and of the Diário da República in which this notice was published as well as any other information deemed relevant in order to assess the suitability of the interested parties.

10 — Documents to be submitted together with the application:

- i) Identity card or citizen card (with no exclusion for failing to present an identification document, upon presentation of an alternative document, proving the requirements necessary to perform public duties);
- ii) Criminal record certificate;
- iii) Medical certificate confirming the applicant's physical condition and psychological profile to perform public service, issued by a practising doctor;
- iv) Compulsory vaccination record, duly updated;
- v) Documents proving that the applicant meets the legal provisions stipulated in point 7 of this public notice;
- vi) Detailed *curriculum vitae*, dated and signed by the candidate, taking into account the evaluation criteria and parameters set out in point 12 of this notice, in digital format and in PDF format;
Scientific-Pedagogical Project in PDF format: A document (with a maximum of 10,000 characters, including spaces) that should include a proposal of the activities that the candidate intends to develop during the first five years of their activity as an Adjunct Professor, explaining how they can contribute to the progress and development of the group of curricular units in Cell, Tissue and Organ Engineering or Medical Devices, linking the scientific, pedagogical and cooperation aspects with society, as part of the Department of Chemical Engineering at ISEL;
- vii) One copy of all supporting documentation mentioned in the curriculum vitae, in PDF digital format; Only those items for which the candidate can provide objective proof will be considered eligible for examination;
- viii) Complete list of all documentation submitted.

10.1 — Whenever appropriate, the jury may request further documentation related to the curriculum vitae submitted.

11 — Exemption from the submission of documents — Exemption from the submission of the documents mentioned in ii), iii) and iv) of the previous paragraph may be granted to applicants who declare in their application, under separate headings and on their word of honour, their exact situation with respect to the content of each of these items.

11.1 — Candidates who are currently employed at the IPL are exempt from submitting such documents as they are already included in their records. This should be clearly stated in their application.

12 — Curriculum vitae items — Information to be provided in the curriculum vitae:

- i) Academic qualifications (degrees, grades, dates and institutions where they were obtained);
- ii) Other certified training, including the respective grades, dates, duration and awarding institutions;
- iii) Professional experience, specifically in the disciplinary area for which applications are open and the group of curricular units of Cell, Tissue and Organ Engineering or Medical Devices;
- iv) Technical and scientific experience, specifically in the disciplinary area for which the competition is open and the group of curricular units in Cell, Tissue and Organ Engineering or Medical Devices:

(1) Publications and other scientific and technical works (a copy of the works must be provided in digital format in PDF format, in particular the doctoral thesis) – up to 5 works considered representative of the scope of the application must be selected;

(2) Participation in research and innovation projects (the information provided should allow for an assessment of the applicant's degree of involvement and responsibility, specify amounts of financing, team and duration of the projects, the results achieved and their impact on society);

(3) Supervision of researchers (post-doctorate, doctoral students and other supervisions) and participation in academic juries (doctoral, master's and bachelor's degree examinations, academic competitions or others of a similar nature);

(4) Papers given at congresses, seminars and other events of a similar nature (the information provided should enable an assessment of the applicant's type of participation and responsibility);

(5) Participation and organisation of congresses, seminars, and other events of a similar nature (the information provided must allow the candidate's type of participation and responsibility to be assessed), as well as participation in editorial activities and technical/scientific organisations;

v) Pedagogical experience in the area in question, focussing on the group of curricular units around Cell, Tissue and Organ Engineering and Medical Devices, namely: teaching curricular units; producing pedagogical material (a copy of the work must be provided in digital format in PDF format); participating in and promoting pedagogical projects (the information provided must allow the assessment of the skills involved, the candidate's responsibility and the quality of the work produced);

vi) Other experiences considered relevant to the application, namely those of an institutional scope and the economic and social value of knowledge.

13 — Jury – By dispatch of the President of the Lisbon Polytechnic Institute, dated 31 March 2025, corresponding to Order no. 4838/2025 published in the Diário de República, Series II, No.79 of 23 April, the Jury shall be composed as follows:

President of the Jury: Dr Maria Paula Alves Robalo, Coordinating Professor with Aggregation, President of the Department of Chemical Engineering at the Higher Institute of Engineering of Lisbon Polytechnic Institute, by delegation of the powers of the President of the Lisbon Polytechnic Institute.

Permanent Members:

Dr Cecília Ribeiro da Cruz Calado, Coordinating Professor with Aggregation at the Lisbon Higher Institute of Engineering of the Lisbon Polytechnic Institute;

Dr Cláudia Alexandra Martins Lobato da Silva, Associate Professor with Aggregation at the Instituto Superior Técnico of the University of Lisbon;

Dr João Ramalho-Santos, Full Professor at the Faculty of Sciences and Technology of the University of Coimbra;

Dr José Eduardo Marques Bragança, Associate Professor with Aggregation at the Faculty of Medicine and Biomedical Sciences of the University of Algarve

Alternate Members:

Dr Rui Miguel Brito, the Senior Coordinating Professor at the Lisbon School of Health Technology, Lisbon Polytechnic Institute

Dr Maria Manuela Estima Gomes, Full Professor at the Abel Salazar Institute of Biomedical Sciences, University of Porto.

In compliance with Article 13(3) of the Regulations for Hiring Teaching Staff at the Lisbon Polytechnic Institute, the jury appointed Dr Cecília Ribeiro da Cruz Calado to replace the President of the jury, in their absence or impediment.

14 — Criteria for the assessment, selection and classification of candidates – In compliance with the terms of Article 15-A of the ECPDESP and Order no. 1979/2010, of 12 January, published in Diário da República, Series II, No. 19 of 28 January, amended by Amendment Declaration No 244/2010, published in the Diário da República, Series II, No. 26 of 8 February and by Order no. 4127/2025, published in the Diário da República, Series II, no. 64, of 1 April, the Jury at a preliminary meeting of 3 June, 2025 approved the following criteria, indicators and considerations, in view of the evaluation and shortlisting of candidates, and their curriculum vitae must be organised in accordance with them.

The evaluation of the relative merit of candidates with a view to their ranking shall be based on the weighted sum of the scores attributed to the evaluation parameters detailed below, on a scale of 0 to 100 (0 being the minimum and 100 the maximum). Each member of the Jury shall value, for each candidate, each of the following components:

14.1 - Technical-scientific and professional activity (TSP) – 40 points

The following will be considered in this evaluation criterion:

Books, scientific articles published in national and international journals, refereed book chapters, proceedings of international conferences, representative of the candidate's scientific output, in the subject area in question, particularly within the group of courses on Cell, Tissue and Organ Engineering and Medical Devices; Coordination and participation in scientific research and development projects financed by national and international entities, including industry and services, particularly in the subject area in question and the group of curricular units around Cell, Tissue and Organ Engineering and Medical Devices,, duly justifying the contribution of the candidate; Supervision and participation in juries for Master's or Doctorates, with emphasis on the argumentation of Master's degrees and doctorates; Intervention in the scientific and professional community, including participation

in project evaluation panels, organisation and participation in scientific committees of technical/scientific events, creation and participation in the editorial board of national and international scientific journals, participation in research networks and holding management positions in technical, scientific and professional societies, particularly in the subject area in question; The scientific merit of candidates whose technical and scientific activity demonstrates autonomy and scientific leadership should be valued;

14.2 - Pedagogical activity (PA) – 35 points

The following is considered in this evaluation criterion:

Lecturing of curricular units (range, subjects and study cycles); Production and quality of teaching material; Educational and publicity materials; Participation and promotion of pedagogical projects (creation of new study cycles conferring an academic degree accredited by A3ES, reformulation of existing projects, evaluation of courses and promotion of experimental pedagogical experiences), relevant to the subject area in question, particularly in the group of curricular units around Cell, Tissue and Organ Engineering and Medical Devices.

14.3 - Other activities (OA) – 25 points

The following are considered to be included in this evaluation criterion:

A scientific-pedagogical project that should include a proposal of the activities that the candidate intends to develop during the first five years of their activity as an Adjunct Professor, explaining how they can contribute to the progress and development of the group of curricular units in Cell, Tissue and Organ Engineering or Medical Devices, linking the scientific, pedagogical and cooperation aspects with society, as part of the Department of Chemical Engineering at ISEL;

Participation in the governing bodies and management activities of institutions; Membership in governing bodies and participation in institutional working units, groups, or committees relevant to the area in question; Tasks related to the economic and social valorisation of knowledge, namely, the provision of services and outreach activities in the community, technology transfer activities, the creation of technology-based companies, and the performance of functions of public interest.

The scores and percentages associated with the evaluation criteria and parameters are as follows:

Assessment criteria	Maximum score	Assessment parameters	%
Technical-scientific and professional activity (TSP)	40	Scientific output (TSP1)	40
		R&D projects (TSP2)	25
		Supervision and academic juries (TSP3)	20

		Intervention in the scientific and professional community (TSP4)	15
Pedagogical activity (PA)	35	Teaching curricular units (P1) Publications of a pedagogical nature (P2) Production and quality of teaching material (P3) Participation and organisation of pedagogical projects (P4)	45 25 10 20
Other activities (OA)	25	Scientific/Pedagogical Project (OA1) Participation in bodies, units, working groups or committees and institutional management activities (OA2) Tasks for the economic and social valorisation of knowledge (OA3)	75 10 15

The score for the different assessment parameters will be based on a comparative analysis of the corresponding curricular elements presented by the candidates, having as a limit the percentages previously indicated. The classification to be attributed to each of the criteria (TSP, PA and OA) comes from the weighted application of the respective evaluation parameters.

The final classification (FC) of each candidate is obtained by averaging the classifications given by the members (FCmem) of the Jury on a scale of 0 to 100 points as follows:

$$FC_{\text{mem}} = 0.40 \text{ TCP} + 0.35 \text{ PA} + 0.25 \text{ OA}$$

$$FC = \text{Average } (FC_{\text{mem}})$$

13.5 — All results are rounded to the nearest tenth.

15 — Admission, assessment and ranking of candidates - once the application period expires, the jury meets to consider the admission and proceeds with the assessment and ranking of candidates in accordance with the criteria stated in point 14 of this Public Notice.

15.1 - In the event of a tie between candidates, the stipulations of Article 15(3)(b) of the regulations for hiring staff for the teaching career of the Lisbon Polytechnic Institute, approved in an annex to Order no. 1979/2010, of 28 January

15.2 - Absolute merit is gauged on the basis of the applicant's curriculum vitae, relevant in the subject area and group of curricular units referred to in this Public Notice, under the terms laid down in point 12 of this Notice. Candidates who obtain a final classification equal to or greater than 50 points are considered approved on absolute merit.

16 — The selection procedure may be terminated for a justifiable reason by the President of IPL, respecting the general principles of administrative activities as well as the legal and regulatory limits on recruitment.

17 — Prior hearing — In the event of a candidate being excluded for non-compliance with the legal requirements, and at the end of the assessment, a prior hearing will be given under the terms of Article 121 et seq. of the Code of Administrative Procedure (CPA), published by Law no. 4/2015, of 7 January.

18 — Public hearings — Under the terms laid down in Article 23(4)(b) of ECPDESP, the jury may conduct public hearings on an equal footing for all candidates.

19 — Consultation of the process — The selection process may be consulted by those candidates wishing to do so through the Secretary's Office of the Mechanical Engineering Department of the Lisbon Higher Institute of Engineering during normal office hours, i.e. 19.00 am - 10.00 pm and 2.00 pm – 4.00 pm.

20 — Recruitment conditions — The shortlisted candidate will be contracted under the terms and conditions which fulfil the provisions laid down in Article 33 of Law no. 45A/2024, of 31 December (State Budget Law for 2025).

21 — Pursuant to Article 9 (h) of the Constitution, as an employer the IPL actively promotes a policy of equal opportunities for men and women as regards access to employment and professional career advancement, scrupulously guarding against any and all forms of discrimination.

Lisbon Polytechnic Institute, 23 September, 2025. The President of the IPL, Professor António José da Cruz Belo