

Summary: Opening of the international selection competition for recruitment to the career and category of assistant researcher in the scientific area of Environmental Engineering, Bioengineering or Biotechnology, in the Research Unit of ALiCE — Associate Laboratory in Chemical Engineering —LSRE-LCM.

1 - By my order, dated June 13, 2022, following a proposal by the Scientific-Technical Council of the School of Technology and Management, it is opened by a period of 30 working days, from the date of publication of this notice in the Diário da República, an international public tender for an assistant researcher. The procedure is for a contract of employment in public functions for an indefinite period, for the career and category of assistant researcher, in exclusive dedication, in the scientific area of Environmental Engineering, Bioengineering or Biotechnology, in view to the development of research activities in the Research Unit of ALiCE — Associate Laboratory in Chemical Engineering —LSRE-LCM. of the Polytechnic Institute of Leiria (from now on referred to as the Polytechnic of Leiria), as determined by the articles 9, 11 and 15 of Decree-Law no. 124/99 of April 20, which approved the Career Statute Scientific Research, hereinafter referred to as ECIC.

2 - Joint Order No. 373/2000, of 31 March, from the Minister of State Reform and Public Administration and the Minister for Equality, determines that it is mandatory for entry and access competitions to include the following statement: "In compliance with paragraph h) of Article 9 of the Constitution, the Public Administration, as an employer, actively promotes a policy of equal opportunities for men and women in access to employment and professional advancement, taking scrupulous care to avoid any form of discrimination.

3 - Employment Quota: In accordance with Decree-Law 29/2001, of February 3, the disabled person has preference in equal classification, which takes precedence over any other legal preference. Candidates must declare on the application form, in addition to the means of communication/expression to be used in the selection process, under oath, their degree of disability, and the type of disability, and the means of communication/expression to be used in the selection process, in accordance with the abovementioned diploma.

4.1 - The scientific area of this competition is Environmental Engineering, Bioengineering or Biotechnology.

4.2 - The present call is open for the contracting, through a public employment contract, by the Polytechnic of Leiria of an Auxiliary Researcher, a category of the research career

4.3 - The present call is open for the contracting of an Auxiliary Researcher, a category of the research career foreseen in paragraph a) of article 4 of the ECIC;

5 - General and special requirements for admission to the competition:

5.1 - General requirements - those defined in Article 17 of the General Law on Civil Service (LTFP), approved by Law No. 35/2014, of 20 June.

5.2 - Specific requirements - those defined in article 10 of the ECIC and taking into account the scientific area considered by the Technical-Scientific Council, only may be admitted to it:

5.2.1 - Individuals who hold a doctoral degree in the scientific area of Environmental Engineering, Bioengineering or Biotechnology or, also, those who, although holding a PhD in a

different area, have a relevant scientific résumé in the scientific area of the competition and whose CV is aligned with ALiCE's mission.

5.2.2 - Auxiliary researchers from another institution, within in the scientific area of the competition, and those who, although from a different area, have a relevant scientific curriculum in that area.

5.2.3 - The admission of candidates is conditional on their approval on absolute merit which will depend on:

a) The publication of at least 10 scientific articles, in a Scopus indexed journal or Web of Science in the last 5 years, or have obtained a total of, at least, 100 citations in a Scopus indexed journal or Web of Science in the last 5 years.

b) Have competences included in the Thematic Environment Line of ALiCE (<https://www.alice.fe.up.pt>), and in particular in the subarea of advanced water treatments, pollution control, bioremediation and sustainable production;

c) Submit a progress and development plan (10 pages A4, letter Arial, size 11, space 1.5 and margins 2.5 cm), in the scientific area in which the recruitment process is opened, whose scientific component is clearly included in a theme compatible with the competences of paragraph (a) and with the strategic guidelines of ALiCE and the Research Unit LSRE -LCM of the Polytechnic of Leiria.

If the doctorate has been conferred by a foreign higher education institution, it must comply with the provisions of Decree Law No. 66/2018, of August 16, and any formalities established therein must be fulfilled by the date of admission.

Failure to comply with these requirements will result in exclusion from the application. False statements made by candidates will be punished in accordance with the law.

## 6 - Remuneration. Working conditions

6.1 - The remuneration is that of the position in the single salary scale equivalent to the salary that was due to index 195 of the 1st step of the category of Auxiliary Researcher, as mentioned in Annex I of the ECIC, unless the person declared the winner of this competition being already employed in public functions in this category by another institution, earns a higher remuneration.

7 - Functional content: The Auxiliary Researcher is responsible for carrying out, on a regular basis, research and development activities and all other scientific and technical activities within the framework of ALiCE 's mission and inscribed in article 5, no. 1, of ECIC:

a) Participating in the conception, development and execution of research and development projects and in related scientific and technical activities;

b) Supervising the work developed within the scope of the projects under their responsibility;

c) Collaborating in the development of training actions in the scope of research and development methodology;

d) Supervising the research work developed by grant holders, research interns and research assistants and participating in their training;

e) Guide and participate in the institution's training programs.

8 - Place of work. Type of competition. Number of positions to be filled. Validity period of the competition

8.1 - The workplace is located at the Research Unit of ALiCE — Associate Laboratory in Chemical Engineering — LSRE-LCM premises, on Campus 2, Leiria, or other places allocated to the sites allocated to the Polytechnic Institute of Leiria, or others, according to the requirements and needs according to ALiCE 's mission.

8.2 - The present contest is, under the terms of paragraph a) of article 9 and paragraph 2 of article 10 of ECIC, a documentary competition that will consist in the assessment of the candidates' curriculum vitae and scientific work of the candidates, and the Jury may also, under the terms of paragraphs 2 and 3 of that same article 10, decide to hold an interview in order to obtain clarifications or to explain elements contained in the candidates' resumes.

8.3 - The number of positions to be filled is one.

8.4 - The competition is valid until the person is hired in public functions by the Polytechnic Institute of Leiria, the contender declared the winner.

9 - Jury of the competition.

9.1 - Composition: The Jury of this competition will be presided over by the President of the Polytechnic of Leiria, Professor Rui Filipe Pinto Pedrosa, and will have the following members:

Effective Members:

Professora Doutora Maria Arminda Costa Alves, Professora Catedrática da FEUP.

Professor Doutor Joaquim Luís Faria, Professor Associado da FEUP.

Professora Doutora Fátima Maria Carvalhinhos Barreiros, Professora Coordenadora do Politécnico de Leiria.

Professora Doutora Helena Pala Dias de Sousa, Professora Coordenadora do Politécnico de Leiria.

9.2 - The jury, in its operation, will respect the rules of operation set out in the ECIC.

9.3 - The jury, at its 1st meeting, held on August 2, 2022, approved the criteria for approval in absolute merit of the candidates and for the seriation of those approved in absolute merit, and the process that will be followed for the justified roll call vote, which are referred to below.

10 - Selection method and evaluation criteria:

10.1 - The candidate selection methods, in accordance with Article 10 of ECIC, will be:

Appreciation of the curriculum vitae; Evaluation of the candidates' scientific work;

10.2 - Under the terms of Article 16, paragraph 3, of ECIC, will be considered and weighted the following factors will be considered and weighted:

A) The quality of the candidates' scientific and technical work in the last 5 years (QC) - 70 % being distributed as follows:

(i) Scientific production of the candidate in the last 5 years, in area of the competition - 40%:

- Books and/or book chapters with ISBN, with peer review;
- Articles in journals indexed Scopus or Web of Science;
- Other technical-scientific publications;
- Editor or editorial board member of Scopus or Web of Science journals;
- Editor or editorial board member of Journals indexed to other scientific bases' data,

- *Peer reviewer* in journals indexed to Scopus or Web of Science;
- *Peer reviewer* in Journals indexed to other scientific databases;

ii) Participation in research, innovation and entrepreneurship activities carried out in the last 5 years - 40%:

- Principal Investigator of research projects funded by external entity
- Team member of externally funded research projects;
- Providing services within the scope of research, financed by an external organization;
- Participation in Project evaluation panels;
- Participation in scientific networks/associations and collaborative innovation networks/associations in the scientific area of the contest.
- Prizes, scholarships and other distinctions;
- Participation in business activities (e.g., startups or spin offs)
- Intellectual Property

iii) Scientific work and development plan (maximum 10 pages; Arial 11; spacing 1,5, margin 2,5) aligned to ALiCE's mission, for the next 5 years - 20%:

The candidate's ability to have in the future a highly relevant scientific production will be evaluated, based on ALiCE's mission.

B) Contributions in scientific orientation activities, management and teaching (OC) - 15%:

- Finished orientation of master's and doctoral students;
- Participation in a master's and doctoral jury as examiner;
- Participation in selection boards for the hiring of research fellows;
- Participation in scientific management entities and boards;
- Teaching in bachelor, master's and doctoral programs

C) Provision of technical and scientific community service (PSC) - 15%:

- Extension activities and dissemination of knowledge duly proven;
- Participation in organizing committees of national and international scientific events;
- Participation in scientific committees of national and international scientific events;
- Participation in events of a scientific nature (moderator, chair, guest speaker, etc);

Candidates must present a detailed *curriculum vitae* structured in accordance with the according to the items in point 10.2., including a summary table of key indicators.

The assessment mentioned in items A), B) e C) may be supplemented by an interview with the candidates, whenever the selection board so decides. The interview is not a selection method and is not graded. It aims at obtaining clarification or explanation of elements contained in the candidates' resumes.

10.3 - The final classification system of the candidates is expressed on a scale of 0 to 100 points, considering the value to hundredths through the following formula  $CF = (QC \times 0,70 + (OC \times 0,15) + (PSC \times 0,15)$

10.4 - The jury will deliberate by means of a reasoned roll-call vote in accordance with the selection criteria adopted and disclosed, and abstentions are not allowed. The President of the Jury only votes in case of a tie, unless he/she is a researcher or professor in the scientific area,

in which case, if the jury operates with an even number of members, he/she will have a casting vote.

10.5 - Minutes are taken of the jury meetings, containing a summary of what occurred, as well as the votes cast by each member and respective reasoning, and are made available to candidates upon request.

10.6 - After concluding the application of the selection criteria, the jury will draw up an ordered list of the list of approved candidates with the respective classification.

10.7 - Notification of the lists of admitted and excluded candidates and the final classification:

The list of admitted and excluded candidates and the final ranking list will be notified to all candidates by e-mail.

11 - Formalization of applications:

11.1 - The application for admission to this competition, accompanied by the respective the President of the Polytechnic of Leiria, by the 30th working day following the day of publication in the *Diário de Leiria*.

The application should be addressed to the President of the Polytechnic of Leiria, by the 30th working day following the day of publication in the *Diário da República*, which should include:

—The identification of this notice;

—Full name, number and expiry date of the ID card/Citizen Card, or

civil identification number, tax identification number (if applicable), date of birth,

marital status, occupation, residence and contact address, including e-mail address and telephone contact.

11.2 - The application is accompanied by the documents proving the conditions

in section 5 for admission to this competition, namely

a) Copy of doctoral certificate or diploma;

b) Copy of the doctoral dissertation;

c) Detailed curriculum vitae, structured in accordance with the items in point 10, including a summary table of key indicators;

d) Digital copy of 5 publications and/or evidence of work considered relevant by the candidate;

e) Work and scientific development plan for the next 5 years (maximum 10 pages; Arial 11; spacing 1,5, margin 2,5);

f) Documents attesting to professional experience;

g) Other documents that the candidates may find relevant.

11.3 - Applications shall be accompanied by the application form and supporting documents in digital support, in PDF format, in Portuguese or English, to the e-mail address [ipleiria@ipleiria.pt](mailto:ipleiria@ipleiria.pt), or in person at Rua General Norton de Matos, apartado 4133, 2411-901 Leiria, during normal business hours (09:00 to 12:30 and 14:00 to 17:30); or,

By registered mail with acknowledgement of receipt, until the deadline, to Rua General Norton de Matos, apartado 4133, 2411-901 Leiria.

11.4 - Candidates who formalize their application incorrectly or who do not prove the requirements demanded in this competition will be excluded from admission to the competition. The selection board has the right to require any candidate, in case of doubt, to produce supporting documents for their statements.

11.5 - Any false declarations made will be punished in accordance with the law.

11.6 - Notification of candidates - Whether applications are submitted electronically, in person, or by registered mail with acknowledgement of receipt, the candidate must, under penalty of exclusion, indicate an e-mail address to which all communications and notifications that should be made to him/her in the context of this competition and in accordance with the ECIC and this announcement will be sent, with acknowledgement of reading.

11.7 - Publication of the candidates' final ranking list: the candidates' final ranking list, after homologation, is published in the 2nd series of *Diário da República*, posted at the central services of the Polytechnic of Leiria and available on its website, at [www.ipleiria.pt](http://www.ipleiria.pt).

12 - Publication of the Notice: In accordance with the provisions of article 24(1) of the ECIC, this notice will be published in two daily newspapers with national circulation, on the Public Employment Exchange at [www.bep.gov.pt](http://www.bep.gov.pt), on the FCT website <https://www.euraxess.pt/>, and on the website of the Polytechnic of Leiria <https://www.ipleiria.pt/recursos-humanos/concursos/>.

August 2, 2022. - The Vice-President, Nuno Miguel Morais Rodrigues.