

**NOTICE OF OPENING OF AN INTERNATIONAL SELECTION PROCEDURE FOR THE
RECRUITMENT OF 1 RESEARCH ASSISTANT**

1. By order of 05-04-2022, the Dean of FEUP, Professor João Bernardo de Sena Esteves Falcão e Cunha, deliberated to open an international selection procedure for the recruitment of 1 position of full-time Research Assistant's within the scope of Research Unit/Project CAVALI – CADEIA DE VALOR DO LITIO, with reference POCI-01-0247-FEDER-047728, co-financed by the European Regional Development Fund (ERDF), through the Operational Programme for Competitiveness and Internationalization (COMPETE 2020), under the PORTUGAL 2020 Partnership Agreement, for research scientific activities in the area of Lithium Hydrometallurgy, in the form of a Uncertain Term Employment Contract, under the Labor Code, never exceeding the maximum limit of four years.

2. The jury has the following composition:

President: António Manuel Antunes Fiúza

Member: Aurora Magalhães Futuro da Silva

Member: José Manuel Soutelo Soeiro de Carvalho

Substitute Member: Joaquim Eduardo Sousa Góis

Substitute Member: Alexandre Júlio Machado Leite

3. Applicable legislation: Labor Code, approved by Law No. 7/2009 of February 12, in the current wording and Regulation of Research, Science and Technology Personnel of the University of Porto, no. 487/2020, of May 22, in the current draft.

4. The workplace is located in the Department of Mining Engineering of the Faculty of Engineering of the University of Porto (FEUP).

5. The monthly remuneration to be allocated corresponds to the 1st remuneration position, level 3, provided for in Annex I and Annex II of the Regulations of Research, Science and Technology Personnel of the University of Porto, no. 487/2020, of May 22, being 1,737,04 Euros, on a full-time basis.

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6. General requirements for admission: The position is open to candidates of national, foreign and stateless candidates who hold a Master's degree in the area of Mining Engineering, Environmental Engineering, Chemical Engineering, Materials Engineering, or related scientific areas, which constitutes the minimum requirement of admission.

If the Master's degree has been awarded by a foreign higher education institution, it must comply with the provisions of the Decree-Law no. 66/2018, of august 16th, and any formalities established there must be fulfilled until the time of signing the contract.

Special requirements for admission: for the purpose of determining the appropriate profile for the activity to be developed, the following criteria are defined: candidates must have skills and previous experience in:

- Research in hydrometallurgical processes;
- Chemical analysis by atomic absorption, x-ray fluorescence of dispersive energy, visible and ultra-violet spectrophotometry and particle size analysis by laser diffraction.

7. Functions to be performed: the Research Assistant performs, develops and participates in research and development projects, under the guidance of a researcher or a university professor. The Research Assistant will integrate the project team, executing and developing the activities in the area(s) of hydrometallurgical processing of lithium concentrates, aiming the development of Activity 4 (Metallurgy) of the project, contributing to the following tasks of the project, provided in the application:

- a. Acid and alkaline leaching methods, with and without previous treatments, for spodumene and lepidolite ores; Selection of a compatible leaching process. Optimization of operating conditions.
- b. Processing of leachates in order to purify and concentrate the solutions.
- c. Participation in activities that have a direct causal link with the development of the hydrometallurgical process: ore processing (Activity 3), simulation, pre-sizing, capex and opex (Activity 5) and life cycle Assessment (Activity 8).
- d. LiOH crystallization methods of from the purified and concentrated pregnant solutions.
- e. Definition of an integrated process diagram.

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8. Selection methods: Pursuant to [Article 26 of the Regulation of Research, Science and Technology Personnel of the University of Porto, no. 487/2020, of May 22](#), the selection takes place through the evaluation of the scientific and curricular qualifications of the candidates.

9. The evaluation of the scientific and curricular path, taking into account the appropriate profile to the activity to be developed, focuses on the relevance, quality and update of the following criteria:

a) Scientific, technological, cultural or artistic production of the last five years considered more relevant by the candidate for the recruitment area, and of applied research activities, or based on practice, considered to have greater impact by the candidate for the recruitment area;;

b) Activities of extension and dissemination of knowledge, in particular in the context of the promotion of culture and scientific practices, considered of greater relevance by the candidate. It also includes the management activities of science, technology and innovation programs, or experience in observing and monitoring the scientific and technological system.

10. The Evaluation of Applications (AC) is classified on a scale of 0 to 100 points, and focuses on two aspects described below: Scientific and Curricular Career (PCC) and Activities of Extension and Dissemination of Knowledge (EA), with weightings of 90% and 10%: $AC = 0.9 * PCC + 0.1 * EA$:

1. Scientific and Curricular Career (PCC) Evaluation on the relevance, quality and actuality of the scientific and curricular career. As mentioned, this component has a 90% weighting in the Evaluation of Applications. It focuses on the parameters described below and their classification is obtained by the following formula: $PCC = 0.6 PC + 0.4 PCQ$.

1.1 Scientific Production (PC)

Evaluation of the production and scientific activity (CP) developed in the last five years.

Quantitative evaluation (PCV): Publications in ISI journals in the area of preference,

PCV = up to 100 points; publications in related areas, PCV = up to 80 points;

publications in other areas, PCV = up to 70 points

Qualitative assessment (PCQ): the candidate must provide copies of up to 5 articles he considers most relevant, PCQ = up to 100 points.

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2. Activities of Extension and Dissemination of Knowledge (EA)

As mentioned, this component has a weighting of 10% in the Evaluation of the Scientific and Curricular Path. The activities of extension and dissemination of knowledge developed in the last five years are evaluated. This parameter includes: (i) participation in R&D projects, services, and technology transfer, and (ii) participation in science management and knowledge dissemination activities, including the organization of conferences, symposia and scientific cooperation activities. Activities in the area of preference, AI = up to 100 points; activities in related areas, AI = up to 80 points; activities in other areas, AI = up to 60 points.

11. The final ranking of candidates will be the weighted sum of the classifications obtained in the Evaluation of Applications (AC). The position can only be assigned to candidates whose final ranking is 70 points or more.

12. Form of advertising/notification of results: the results of the evaluation will be disclosed by e-mail, to the email address indicated in the application process.

13. The jury deliberates through a reasoned nominal vote according to the selection criteria adopted and disclosed, and abstentions are not allowed.

14. The jury meetings shall be drawn up in reports, which contain a summary of what has occurred therein, as well as the votes cast by each of the members and their reasons, and are provided to the candidates whenever requested.

15. Deadline and formalization of applications: The contest is open in the period from 09-05-2022 to 20-05-2022 (until 23h59m, local time). Applications must be formalized, in <http://www.fe.up.pt/concursos>, online reference no. 812.

The application must include: full name, number and date of identity card, Citizen Card, or civil identification number, tax identification number, date and place of birth, residence and contact address, including email address and telephone contact.

16. Documents to be provided:

- a) Copy of certificate or diploma and recognition when necessary;

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- b) Detailed Curriculum Vitae; _____
- c) Copy of the 5 most relevant publications;
- d) Letters of Recommendation (optional);
- e) Documents proving professional experience;

The non-submission of the requested documents implies the exclusion of the selection process.

18. Candidates who incorrectly formalise their application or who do not prove the general requirements required in this call are excluded from admission. The jury has the power to require any candidate, in case of doubt, to submit documents proving their statements.

19. False statements by candidates shall be punished in accordance with the law.

20. Preliminary Hearing and deadline for the Final Decision: in accordance with article 121 of the Code of Administrative Procedure, after being notified, the candidates have 10 working days to pronounce. Within a maximum period of 90 days from the deadline for submitting applications, the final decisions of the jury are given.

21. Non-discrimination and equal access policy: FEUP actively promotes a policy of non-discrimination and equal access, so that no candidate can be privileged, beneficiary, disadvantaged or private of any right or exemption from any duty owing, in particular, to ancestry, age, sex, sexual orientation, marital status, family status, economic situation, education, social origin or condition, genetic heritage, reduced working capacity, disability, chronic illness, nationality, ethnic origin or race, territory of origin, language, religion, political or ideological beliefs and trade union membership.

22. The jury approved this notice at the meeting held at 07-04-2022

23. Under the terms of D.L. No. 29/2001, of February 3rd, the disabled candidate has preference in equal classification, which prevails over any other legal preference. Candidates must declare their respective degree of incapacity, the type of disability and the means of communication / expression to be used in the selection process, under the terms of the aforementioned diploma.

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