



## EURAXESS

# ANNOUNCEMENT OF OPENING OF AN INTERNATIONAL SELECTION CONTEST PROCEDURE FOR CONTRACTING A ASSISTANT RESEARCHER UNDER ARTICLE 23 OF THE DECREE-LAW N.º 57/2016, OF 29TH AUGUST

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UNIVERSIDADE  
DE ÉVORA

17 Oct 2023

## Job Information

Organisation/Company	UNIVERSIDADE DE ÉVORA
Research Field	Other
Researcher Profile	Established Researcher (R3)
Country	Portugal
Application Deadline	29 Nov 2023 - 23:59 (Europe/Lisbon)
Type of Contract	Temporary

<b>Job Status</b>	Full-time
<b>Offer Starting Date</b>	17 Oct 2023
<b>Is the job funded through the EU Research Framework Programme?</b>	Not funded by an EU programme
<b>Is the Job related to staff position within a Research Infrastructure?</b>	No

## Offer Description

1. By order dated 26/09/2023 of the Rector of the University of Évora, it was deliberated to open an international selection contest for the position of junior researcher for the exercise of scientific research activities in the scientific area of Engineering and Technology Sciences, under a fixed term public service work contract regime with the duration of three years, possibly renewable for periods of one year up to a maximum duration of six years, pursuant to Decree-Law No. 57/2016, of 29 August and the Regulation for the Evaluation of the Performance of Doctoral Researchers at the University of Évora, published by Order No. 7123/2019 (2nd series), of August 9<sup>th</sup>, aiming at the development of activities as a Researcher in the field of Molten Salt based Carnot batteries and their use in power generation and industrial applications in the scope of projects PRR Agenda Mobilizadora ATE (Ref<sup>a</sup> C644914747-00000023), Horizon EUROPE MSA-Trough (GA Nr. 101122276) and other projects and activities undergoing, in this field, in the Renewable Energies Chair of the University of Évora.

The functional framework of the researcher to be hired includes the regular execution of research and development activities and all other scientific and technical activities within the framework of the projects, as well as:

- a) participation in the design, development and execution of research and development projects and in related scientific and technical activities, in the course of the development of the activities of the REC (Renewable Energies Chair) research unit in which he/she will be framed: STSA – Solar Thermal Systems and Applications;
- b) collaboration in the work developed within the scope of the projects in which he/she is involved;
- c) collaboration in the development of training actions in the field of research and development methodology;
- d) monitoring the research work carried out by fellows, research trainees and research assistants associated with the projects and/or the research unit and participating in their training;
- e) support in the articulation of joint activities in the REC, design, procurement, commissioning and testing of experimental infrastructures in the topics of Carnot batteries and their power generation and industrial applications;
- e) participation in training programmes of the institution, namely in the context of support in teaching activities provided to 2nd and 3rd cycle courses related to the research area of the REC.

The selected candidate may have to ensure 4 hours of weekly classes in curricular units that may be distributed to them.

1. **Applicable legislation: Decree-Law no. 57/2016 of 29th August, which approves the doctor hiring regime destined to stimulate scientific and technological employment in all areas of knowledge (RJEC). General Public Service Labour Law (LTFP), approved in annex to Law no. 35/2014 of 20 June, under its current wording.**

2. Pursuant to article 16 of Decree-Law no. 57/2016 of 29th August, this contest procedure shall be exempt from authorization by the Government members in charge of the areas of Finances and Public Administration, namely that mentioned in nº 3 of article 7 of the LTFP; from obtaining a prior favourable opinion from the Government members in charge of the areas of Finances and Public Administration, mentioned in nr. 5 of article 30 of the LTFP, and the recruitment process for workers in a requalification position, mentioned in article 265 of the LTFP.
3. Pursuant to article 13 of the RJEC, the contest selection panel has the following composition:

President: Rector of University of Évora.

Members:

- Radia Ait El Cadi – Researcher at the Renewable Energies Chair of University of Évora;
- Thomas P. Fluri – Researcher at the Fraunhofer Institute for Solar Energy Systems (ISE) and Head of the Research Group on High Temperature Solar Thermal and Industrial Processes;
- Jana Stengler – Researcher at the Department of Thermal Process Technology, German Aerospace Center (DLR).

4.1. Pursuant to nr. 2 of article 4 of the Regulation of Announcements for the hiring of Doctorate Researchers, the Rector might delegate the role of President of the selection panel.

1. The place of work is located in the University of Évora – in the facilities assigned to the Renewable Energies Chair, in Évora or in the Campus of Herdade da Mitra, as well as in the associated research infrastructure: INIESC – Infraestrutura Nacional de Investigação em Energia Solar de Concentração – Pólo de Évora, in the Campus of Herdade da Mitra.
2. The monthly remuneration to be paid is 2228, 11€ corresponding to level 33 of the Single Salary Table, updated pursuant to Decree-Law No. 26-B/2023, of April 18.

1. Any national, foreign and stateless candidates who hold a doctorate degree in a related field to the scientific area and, in particular, in the field of research described, and a scientific and professional curriculum whose profile is suited with the conditions below and for the activity to be performed can submit their applications:
  - Scientific experience in research activities in the field of solar energy;
  - Knowledge and experience in the composition, operation modes, modeling, and optimized sizing of CSP plants: solar field, power block and thermal energy storage system;
  - Knowledge in the medium ( $150^{\circ}\text{C} < T < 450^{\circ}\text{C}$ ) and high temperature ( $T > 450^{\circ}\text{C}$ ), sensitive and/or latent thermal storage systems;
  - Knowledge and experience in the areas of Carnot batteries: compression systems, thermal conversion systems, storage systems, expansion systems, electrical conversion systems;
  - Knowledge in the operating requirements for hydraulic circuit components with molten salts: pumps, valves, heat exchangers, piping, control, monitoring;
  - Good command of English, written and spoken, with emphasis on communication and production of science and technology;
  - Preferable previous experience in the participation in national or international R&D projects in the field of electrochemical electricity storage.

If the PhD has been awarded by a foreign higher education institution, the candidates are admitted to the procedure, according to paragraph e) of paragraph 2 of article 4 of Decree-Law nr. 60/2018, of 3<sup>th</sup> August and the registration/recognition of the degree in Portugal to be effected after the end of the tender, under the terms provided for in Decree-Law nr. 66/2018, of 16<sup>th</sup> August, and is only necessary in the act of contracting.

1. General contest admission requirements are those specified in article 17 of the LTFP and special requirements are those specified in the previous section.

2. Pursuant to article 5 of the RJEC, selection is to be made based on the evaluation of the scientific and curricular career of the candidates.

3. The evaluation of the scientific and curricular career focuses on relevance, quality and up-to-dateness:

- a) The most relevant scientific production considered by the candidate in the last five years.
- b) The applied research activities carried out in the last five years.
- c) The extension and knowledge dissemination activities developed in the last five years, namely in the context of the scientific practices, considered of more relevance by the candidate and linked to the area of the application.
- d) The management activities of science, technology and innovation programmes, or the experience in the observation and monitoring of the scientific and technological system or of higher education, in Portugal or abroad.
- e) Public Hearing for the evaluation of competencies aimed at obtaining information on professional experience directly related to the competencies considered essential for the exercise of the function.

11. The five years period referred in the previous point might be increased by the Jury, at the candidate's request, whenever its justified by the suspension of activities as a result of socially protected reasons, namely due to parental leave, prolonged disease or other legally defined working disability reasons.

**12. According with the description presented in 10, the evaluation criteria are:**

- a) Scientific performance in the last five years;**
- b) Applied research activities or experience developed in the last five years;**
- c) Extension and knowledge dissemination activities developed in the last five years;**
- d) Other relevant activities;**
- e) Public Hearing.**

**In the application of the criteria referred, the following parameters and weight factors are evaluated:**

Criterion a) with a 50% weight factor, comprising:

a1) publications in scientific journals, considering the quality of publications, being assessed the intrinsic quality of the respective scientific content;

a2) Books or book chapters with ISBN.

Criterion b) with a 20% weight factor, comprising:

b1) Research experience, considering participation and leadership in research projects;

b2) Post-graduate experience.

Criterion c) with a 10% weight factor, comprising:

c1) Experience in knowledge and technology transfer activities;

c2) Participation in national and international conferences;

c3) Experience in advising students and participating in juries of academic examinations.

d) Other relevant activities, with a 10% weight factor;

e) Public Hearing, with a 10% weight factor;.

In all the evaluation criteria the relevant indicators and activity are those suiting the field of Molten Salt based Carnot batteries and their use in power generation and industrial applications referred in point 1.

1. The system of final classification is expressed on a scale of 0 to 100.
2. The panel shall deliberate by means of roll call vote justified under the adopted and disclosed selection criteria, with no abstentions allowed.
3. Minutes of panel meetings shall be elaborated and will include a summary of all occurrences, as well as of all votes cast by the members and their respective reasoning, and shall be provided to candidates whenever requested.
4. After concluding the application of the selection criteria, the panel will prepare an ordered list of approved candidates and their respective classification.
5. The panel's final decision will be validated by the head of the institution, who is also in charge of deciding about the contracting.
6. Formalization of candidatures:

18.1 Candidatures are formalized by way of an official request form, available at the e-mail address of the Administrative Services of the University of Évora, <http://www.sadm.uevora.pt>, sent to the President of the Jury, which includes the identification of this announcement (Ref Inv PRR Agenda Mobilizadora-ATE/ Proj. Horizon EUROPE MSA-Trough), full name, parents' names, ID card or Citizen Card number and date or civil identification number, taxpayer ID number, date and place of birth, marital status, occupation, residence and contact address, including email address and telephone.

18.2 The application for admission to the contest is accompanied by the following documents:

- a) Documents proving the fulfilment of the conditions set out in points 7 and 8 for admission to this contest, namely, certificate of the degrees and titles required and certificate of length of service;
- b) Curriculum Vitae of the candidate, indicating the outputs and works carried out and published, as well as the scientific activities developed. The curriculum vitae must be prepared taking into account the evaluation parameters referred to in points 10 and 11;
- c) Copy of papers selected by the candidate as most representative of their curriculum vitae up to a maximum of 5 with an explanation text.
- d) Other documents considered relevant by the candidate.

18.3 Candidates should submit their application request and supporting documentation, preferably in digital form, in PDF format, to the email [drhsc@uevora.pt](mailto:drhsc@uevora.pt), in person at the Universidade de Évora – Divisão de Recursos Humanos (DRH), Serviços Administrativos, Largo da Sr.<sup>a</sup> da Natividade, Apartado 94, 7002-554 Évora, Portugal, during working hours, or by mail to the same address. When submitted by mail, applications must be sent by registered mail with acknowledgement of receipt sent until the last day of application deadline, which is hereby set as 30 working days after the publication of this Announcement.

1. All candidates who formalize their applications in an improper way or fail to prove the requirements imposed by this contest are excluded from admission. In case of doubt, the panel is entitled to request any candidate to present further documentation supporting their statements.
2. False statements provided by the candidates will be punished by law.
3. A list of the candidates admitted and excluded as well as the final classification list is publicized on the webpage <http://www.sadm.uevora.pt>, and the candidates are notified by email with receipt of delivery.
4. Preliminary Hearing and Final Decision Deadline: Pursuant to article 121 of the Administrative Procedure Code, after notification, all candidates have 10 working days to respond. The panel's final decisions are pronounced within a period of 90 days, counted from the deadline for presentation of applications.
5. This contest is exclusively destined to fill this specific vacancy and can be terminated at any time until approval of the final candidate list, expiring with the respective occupation of the vacancy.
6. Non-discrimination and equal access policy: The University of Évora actively promotes a non-discrimination and equal access policy, wherefore no candidate can be privileged, benefited, impaired or deprived of any rights whatsoever, or be exempt of any duties based on their ancestry, age, sex, sexual preference, marital status, family and economic conditions, instruction, origin or social conditions,

genetic heritage, reduced work capacity, disability, chronic illness, nationality, ethnic origin or race, origin territory, language, religion, political or ideological convictions and union membership.

7. Pursuant to Decree-Law no. 29/2001 of 3 February, disabled candidates shall be preferred in a situation of equal classification, and this preference supersedes any other legal preference. Candidates must declare, on their honour, their respective disability degree, type of disability and communication/expression means.
8. For the purposes of paragraph 5 of article 6 of Decree-Law no. 57/2016, of 29 August, the University of Évora declares that it does not assume any commitment to consider it to be in its strategic interest the opening of any competition procedure for the scientific research career or for the higher education teaching career, following the present competition procedure.

27/09/2023, Ana Cristina Centeno, administrator of the University of Évora

## Requirements

Research Field	Other
Education Level	PhD or equivalent

### Internal Application form(s) needed

**Minuta requerimento conc DL 57\_2016 (7)\_4.pdf**

**English** (28.87 KB - PDF)

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## Additional Information

### Work Location(s)

Number of offers available	1
Company/Institute	Universidade de Évora
Country	Portugal
State/Province	Évora
City	Évora
Postal Code	7002-554
Street	Largo da Sra. da Natividade, Apartado 94

### Where to apply

**E-mail**

drhsc@uevora.pt

## Contact

**State/Province**

Alentejo

**City**

Évora

**Website**<http://www.uevora.pt/>**Street**

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