Public Notice - Assistant Researcher

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Deadline: 16/01/2024

Pursuant to Order No. 181/2023, of January 4th, by delegation of powers, the Director of the Faculty of Science and Technology of the NOVA University of Lisbon, Prof. Doctor José Júlio Alves Alferes, makes it known that it is open, for a period of 15 days, counting from the immediate day of publication of this Notice in the Official Gazette, an international documentary competition, with internal reference LAQV-IA-2023-EPB-QS, for the recruitment of 1 Assistant Researcher, in employment contract regime for an uncertain term, within the scope of the project “Associated Laboratory for Green Chemistry - Clean Technologies and Processes, project with reference LA/P/0008/2020”, financed by the Foundation for Science and Technology, I.P, under the terms of Decree-Law no. 57/2016, of August 29, amended by Law no. 57/2017, of July 19, in the scientific area of (Bio)chemical Process Engineering, subarea of Sustainable Chemistry.

In compliance with paragraph h) of article 9 of the Constitution of the Portuguese Republic, Universidade NOVA de Lisboa, as an employer, actively promotes a policy of equal opportunities between men and women in access to employment and professional progression, scrupulously providing in order to avoid any and all forms of discrimination.

I - Workplace:

The Assistant Researcher will carry out his work at the facilities of the Faculty of Science and Technology of Universidade Nova de Lisboa, located on the Caparica Campus and will carry out all travel, in Portugal or abroad, inherent to his functions or necessary to the exercise of its activity.

II – Activities and Functions:

The Auxiliary Researcher to be hired will be responsible for research innovation and technology transfer aligned with LAQV Associate Laboratory mission focusing on the development and implementation of green and sustainable chemical technologies. In this context, the activities to be developed aim the establishment of strategic partnerships with stakeholders, and the transfer of knowledge between academia and industry, with emphasis on the exploitation of alternative solvents, CO₂ utilization, and biomass valorization. Tasks, for a two-year period, will involve laboratory development, process optimization, and scale-up of new processes. The auxiliary Researcher shall lead the negotiation and execution of research contracts and agreements with company partners, contributing significantly to the advancement of sustainable technologies.

The Auxiliary Researcher shall be recruited under private law and full dedication, which implies the renunciation of the exercise of any public or private remunerated function or activity, including the exercise of a liberal profession, and the rules established in article 52 of the Statute of the Scientific Research Career shall apply.

III - Remuneration positioning:

The definition of the position is based on the remuneration levels of the categories set out in Annex I of the Statute of the Scientific Research Career, approved by Decree-Law no. 124/99, of 20 April, in its current
wording, corresponding to step 1, level 195, in an exclusive dedication regime, which corresponds to the value of 3,327,76€.

IV – Modality and duration:
1. The opening of this competitive procedure is intended for the selection of a doctorate position to carry out scientific research activities under an employment contract with an uncertain term, with the basis for contracting being the execution of a specific, precisely defined service and non-lasting, with the contract being obligatorily financed regardless of its origin.

2. The uncertain term contract lasts for the duration of the project task, (2 years) or for the duration of the financing, however, it cannot exceed 31/12/2025.

V – Candidate admission requirements
1. Pursuant to article 12 Decree-Law no. 57/2016, of August 29, the candidate must:
   • Hold a PhD degree in the scientific area of the competition or in related areas.
   • Have a relevant scientific curriculum in the area of the competition, with a minimum scientific productivity of 35 articles indexed to WoS and at least one Portuguese or International patent granted.
   • A minimum of 10 post-doctoral years of proven experience in the areas mentioned in the advertisement.

VI – Application instructions
1. The application must be completed by completing the respective application form, which is available at https://www.fct.unl.pt/faculdade/concursos/investigadores.

2. The application process must be accompanied by documentation in Portuguese or English.

3. The application must be submitted by email, containing the following documents:
   a) Curriculum vitae of the candidate, which must include:
      i) The identifications “Researcher ID”, “Scopus Author ID” and “Google Scholar ID”.
      ii) Research and development activities and all other activities considered relevant to this tender procedure, in accordance with the terms of this notice;
   b) Certificate proving the PhD degree in the disciplinary area or similar area to which the competition relates;
   c) Published works, mentioned in the curriculum vitae, namely the most representative, with regard to their contribution to the development and evolution of the disciplinary area in which the competition is open;
   d) Declaration, under oath, that if the jury chooses to request the documentation indicated in the previous paragraphs or any other scientific documentation mentioned in the candidate's curriculum vitae, it will be delivered within 10 working days;
   e) Other documents that candidates consider relevant for the analysis of their candidacy.

4. If a member of the jury participates who does not speak Portuguese, the pronunciation documents must be presented in English during the prior hearing of candidates and complaints that must be assessed by the jury.
VII – Presentation of the application
1. The documents supporting the application must be submitted by the 15th working day, counting from the day following the publication of this Notice in the Official Gazette.
2. Candidates will submit their application documents, in PDF format, by email to the following address: div.rh.recruta.ndoc@fct.unl.pt.

VIII - Interview
1. The Jury will deliberate at the first meeting on the need to carry out an interview with all candidates or part of the candidates.
2. The interview has a maximum weight of 10% of the total assessment.
3. The interview aims to obtain clarifications or explain elements contained in the candidates’ Curriculum vitae.

IX – Evaluation parameters
1. This competition is intended to evaluate candidates’ capacity and performance in the different parameters in accordance with paragraph 1 of article 5 of DL no. 57/2016.
2. The curricular evaluation of the various candidates in each of the aspects described below must take into account the scientific area in which the competition is open.
3. The parameters to be taken into consideration when evaluating the candidates’ curriculum, in each aspect, are those listed below for the last 10 years:
   a) Quality of scientific work (QSW);
   b) Scientific and technological production (STP);
   c) Applied or practice-based research activities (APBRA);
   d) Extension and knowledge dissemination activities (EKDA);
   e) Science, technology and innovation program management activities (STIPMA);

X – Reasons for exclusion
The following are grounds for exclusion from the candidate’s admission to the competition:
   a) Incorrect formalization of the application;
   b) Failure to deliver the documents required in subparagraphs a) to d) of paragraph 3 of point V, or their delivery in an illegible or invalid form.

XI – Classification of candidates
1. The jury will deliberate on the admissibility of the candidates, by justified nominal vote, expressed by the formulas Refused or Approved.
2. Each member of the jury presents a justified proposal for rejection or approval for each of the candidates.
3. A candidate who manages to obtain a favorable vote from more than half of the jury members is considered approved.
XII – Ordering and voting methodology

1. Once the successful candidates have been definitively identified on absolute merit, the jury proceeds to classify them on relative merit.

2. Each member of the jury will carry out their curricular evaluation of the candidates by presenting a written opinion, which must later be included in the minutes, in which they propose the ordering of the candidates duly based on the evaluation criteria indicated in this notice, scoring each candidate in relation to each criterion on a numerical scale from 0 to 100 points.

3. The indicated evaluation criteria must be considered as follows:

Quality of scientific and technical work (QSTW): 30%

The relevance of the results obtained by the candidate will be considered, with great emphasis on the work indicated by the candidate as his most significant contributions to the advancement of knowledge in the area for which the competition is open, namely, the use of green solvents and reaction media alternatives, including ionic liquids and supercritical fluids, and/or sustainable processes in chemical engineering.

Particular attention must be given, whenever relevant in the context of the disciplinary area of the competition, to the results achieved in technology transfer and contributions to other societal challenges.

Scientific, technological production (STP): 25%

The scientific production carried out in the disciplinary area of the competition (books, book chapters, articles in scientific journals, articles and communications at conferences, patents and other forms of scientific production that are considered relevant by the jury), in terms of its quality and quantity, valued for its impact and recognition within the scientific community. The scientific merit of candidates whose scientific production reveals autonomy and scientific leadership should be valued.

Applied or practice-based research activities (APBRA): 25%

Participation in scientific projects relevant to the thematic area of the notice; the previous experience demonstrated by the candidate and their potential to coordinate and integrate constructively and profitably funded projects of a national and international nature, in the area in which the competition is open, will be considered; Applied Research with Industry namely proven experience in applied research conducted in close collaboration with industry stakeholders, demonstrating a practical understanding of industrial challenges and opportunities related to sustainable technologies; Fundraising and project coordination, namely, proven experience in fundraising and coordinating research projects, including obtaining grants, sponsorships or other financing mechanisms to support sustainable technological research; Collaboration with Industry, namely proven experience in collaborating with industry partners for research projects, emphasizing technology transfer and practical applications in the industrial sector; Intellectual Property and Entrepreneurship, namely proven experience in protecting intellectual property, such as patents, copyrights or trade secrets related to sustainable technologies. A record of involvement in the creation of startups, spin-offs or other entrepreneurial initiatives that aim to bring sustainable solutions to the market.
Extension and knowledge dissemination activities (EKDA): 15%

Extension and dissemination activities of scientific knowledge, namely the organization of courses, seminars and conferences; Experience in advanced training, namely in supervising postgraduate students in the scientific area of the notice.

Scientific, technology and innovation program management activities (STIPMA): 5%

Participation and performance in tasks assigned by management bodies of the institutions to which he was linked. Performance of tasks for the economic and social valorization of knowledge, namely through management and provision of services to the community.

4. The ordering of the Approved candidates is done by voting of the members of the jury, respecting the ordering presented in the opinion referred to in the previous number, in the following terms:
   a) The first vote is intended to determine the candidate to be placed in first place;
   b) In the voting referred to in the previous paragraph, if a candidate obtains more than half of the votes to be placed in first place, the candidate will be ranked in this position;
   c) If the situation referred to in the previous paragraph does not occur, a new vote is held, only among the candidates who obtained votes for 1st place, after removing the candidate least voted for that place in the previous vote;
   d) If there is more than one candidate to be withdrawn, due to an equal number of votes, with a minimum of one vote each, a vote is held only on these candidates to determine the candidate to be withdrawn from the next vote; in this voting, each member will vote, among the candidates with equal votes, for the candidate who occupies the lowest position in the ordering contained in his/her opinion;
   e) If there is a tie, the tiebreaker is done through the tiebreaker vote or casting vote of the president of the jury.
   f) Voting is repeated until it is determined, by the procedure described above, which candidate to rank first. If there are only two candidates left and each one of them gets half of the votes, the tiebreaker is done through the casting vote of the president of the jury;
   g) Once the candidate for first place is chosen, he is removed from the voting and the whole process is repeated for second place and so on until an ordered list of all candidates is obtained.

XIII – Notifications and hearing of interested parties

1. There is a prior hearing, in accordance with the Code of Administrative Procedure, for candidates who have been rejected, and for candidates ranked instead of the ranking list of candidates not capable of being filled in the job in the competition. All candidates are notified of the approval of the jury’s final deliberation.
2. Notifications are made by email.
3. The competition process can be consulted by candidates, at the Human Resources Division of NOVA FCT, under the terms indicated in the notification mentioned above.
XIV – Jury composition:

President:

Doctor João Carlos dos Santos Silva e Pereira de Lima, Associate Professor with Habilitation of Faculdade de Ciências e Tecnologia da Universidade NOVA de Lisboa, LAQV/Caparica Director;

Effective members:

Doctor Herminio José Cipriano de Sousa, Associate Professor of Departament of Chemical Engineering of Universidade de Coimbra

Doctor Pedro Miguel Calado Simões, Associate Professor of Faculdade de Ciências e Tecnologia da Universidade NOVA de Lisboa;

Doctor Vesna Najdanovic, Associate Professor of College of Engineering and Physical Sciences of University of Aston.

Substitutes members:

Doctor Cristina Maria Fernandes Delerue Alvim de Matos, Main Coordinating Professor of Instituto Superior de Engenharia do Porto.

XV- Data Protection

In accordance with the RGPD – General Data Protection Regulation, the data collected will be processed exclusively for the processing of the application.

E para constar se publica o presente Aviso.

November 29, 2023 — O Diretor, Prof. Doutor José Alferes