

Reference: EdtIB.16-DEP/2022

## NOTICE FOR THE AWARD OF GRANTS IN THE SCOPE OF R&D PROJECTS AND INSTITUTIONS

A tender is hereby opened for the award of **one Research Grant (RG)** in the scope of R&D unit Research Centre on Didactics and Technology in the Education of Trainers (CIDTFF) of the Department of Education and Psychology of the University of Aveiro (UIDB/00194/2020), under the following conditions:

**1. Scientific Area:** Educational Sciences

**2. Funding Source:** Foundation for Science and Technology, I.P./MCTES, through national funds (PIDDAC).

**3. Admission Requirements:** Nationals or citizens of other Member States of the European Union, citizens of third States, stateless persons and citizens benefiting from the status of political refugee who cumulatively meet the following conditions may apply:

- Hold a degree or master degree.
- Be enrolled or meet the necessary conditions to enroll in one of the following Doctoral Programs related to the Research Centre on Didactics and Technology in the Education of Trainers (CIDTFF):
  - Doctoral Program in Education at the University of Aveiro;
  - Doctoral Program in Multimedia in Education at the University of Aveiro;
  - Doctoral Program in Science and Technology Didactics at the University of Trás-os-Montes and Alto Douro;
  - Doctoral Program in History of Sciences and Scientific Education at the University of Aveiro and the University of Coimbra.
- Not hold a Ph.D degree.

The proof of enrolment must be made available until the contract is awarded, and the candidate may attach a [declaration of honor](#) to confirm that they meet the requirements for enrolment in the doctoral program.

If the qualification has been conferred by a foreign higher education institution it must be **recognized by a Portuguese higher education institution**, under the terms of the provisions of article 25 of Decree-Law no. 66/2018, of August 16th, which approves the legal regime of recognition of academic degrees and diplomas of Higher Education, attributed by foreign higher education institutions, and of paragraph e) of no. 2 of article 4 of Decree-Law no. 60/2018, of August 3rd, and any formalities established therein must be fulfilled by the date of the hiring act.

**4. Eligibility:** Applicants are eligible if they comply with paragraph a) of no.1 of article 2, of the Research Fellow Statute as amended by Decree-Law no. 123/2019, of August 28th, as well as nos. 1 and 2 of article 6 of the Research Grant Regulations of the Foundation for Science and Technology.

**5. Work plan:** The work plan must contribute to the mission of the CIDTFF and to the development of the strategic plan of this R&D unit, and must be supervised by one of its PhD members. The research line in which the project is integrated must be explicitly identified, as well as explained how the project and its objectives will contribute to its development. The plan must contain, obligatorily, the elements indicated in point 12 of this notice. The evaluation criteria indicated in point 10 of this notice will be applied.

**6. Applicable legislation and regulations:** Statute of Scientific Research Grant Holder, as amended by Decree-Law no. 123/2019, of August 28th; Regulation no. 950/2019, of November 29th, published in Diário da República, no. 241, Series II, of December 16th (FCT, I.P. Research Grants Regulation); Decree-Law no. 66/2018, of August 16th (Legal



regime for recognition of academic degrees and diplomas of higher education awarded by foreign higher education institutions).

**7. Workplace:** The work will be carried out at the CIDTFF - Center for Research in Didactics and Technology in the Education of Trainers at the University of Aveiro, in case the work plan is associated with the Doctoral Program in Education, the Doctoral Program in Multimedia in Education or the Doctoral Program in History of Sciences and Scientific Education, or at the University of Trás-os-Montes and Alto Douro (UTAD), in the case of the work plan is associated with the Doctoral Program in Science and Technology Didactics, under the scientific supervision of a CIDTFF researcher with a Ph.D.

**8. Duration of the grant(s):** The grant duration will be 12 months, starting in starting predictably in January 2023, and may be renewed up to the maximum limit of approved funding. Under no circumstances shall it exceed the limits defined in nos. 3 and 4 of article 6, of Regulation no. 950/2019, of November 29th, published in Diário da República, no. 241, Series II, of December 16th (Research Grants Regulation of FCT, I.P.).

**9. Amount of monthly maintenance allowance:** The amount of the grant corresponds to €1.144,64, according to the table of monthly maintenance allowance amounts set out in Annex I of Regulation no. 950/2019, subject to any updates that may be applicable, under the terms of no. 2 of article 18 of Regulation no. 950/2019, of November 29th, published in Diário da República, no. 241, Series II, of December 16th (Research Grants Regulation of FCT, I.P.). The fellow may also be reimbursed for the amount corresponding to the Voluntary Social Security, in case of adherence to this plan. The RG does not cover the payment of tuition fees or other components associated with attending the doctoral course.

**10. Selection methods:** The selection methods to be used will be the following: merit of the candidate (criteria A), the merit of the work plan (criteria B) and the merit of the supervision team (criteria C), with the respective weight of 50%, 40% and 10%.

Applications considered admissible will be scored on a scale from 0,000 (minimum) to 5,000 (maximum) in each of the following evaluation criteria:

- **Criteria A – Merit of the candidate, with a weight of 50%:**

- Sub-criterion A1 – Academic path, with a weight of 60%:

The score for this sub-criterion is calculated based on the final classifications contained in the academic degree certificates presented by the candidate in the application form: i) Degree + Masters/Integrated Masters; ii) Degree only; or iii) only Master's, according to Table 1.

**Table 1 – Reference table for defining the score of sub-criterion A1 - Academic path**

<b>Degree + Master's Degree</b> (pre- or post-Bologna) or <b>Integrated Master's Degree</b> (300-360 credits)		<b>Degree (180 credits)</b> (pre- or post-Bologna)		<b>Master's Degree (90-120 credits)</b> (pre- or post-Bologna)	
<b>Classification</b>	<b>A1 Score</b>	<b>Classification</b>	<b>A1 Score</b>	<b>Classification</b>	<b>A1 Score</b>
≥ 18	5,0	≥ 17	3,5	≥ 17	3,0
17	4,5	16	3,0	16	2,5
16	4,0	15	2,5	15	2,0
15	3,5	14	2,0	14	1,5
14	3,0	< 14	1,5	< 14	1,0
≥14	2,5				

The classification to be considered, in the calculation of sub-criterion A1 is the one shown in the respective degree certificates submitted in the application process. In cases of qualification certificates whose final classification is presented with decimal places, it will be rounded to the unit following the following rule: when the decimal place is

equal to or greater than 5, it will be rounded up; when the decimal place is less than 5, the value will be maintained. In the case of calculating the simple arithmetic average between the degree grade and the master grade, the grades contained in the certificates (even if these show decimals) will be considered, and the rounding will be carried out after obtaining the result of such average. If the certificate of qualifications simultaneously presents the rounded classification and with decimal places, the rounded classification will be used.

For the application of Table 1, the following will be considered:

a) The final average of “degree + master's degree”, in a pre- or post-Bologna course, results from the simple arithmetic average of the final grade obtained in the 1st cycle [180 credits (ECTS)]/degree and the final grade obtained in 2<sup>nd</sup> cycle [90-120 credits (ECTS)]/Master's, by applying the following formula:

$$\text{Final average (degree + master's)} = (\text{final grade 1st cycle (degree)} + \text{final grade 2nd cycle (master's)}) / 2$$

b) In the case of integrated master's degrees awarded by institutions that do not issue certificates with a breakdown of the final classifications of 1<sup>st</sup> and 2<sup>nd</sup> cycles, the final classification entered in the degree certificate after completion of the study cycle is considered [300 to 360 credits (ECTS)].

c) In the case of an integrated master's certificate [300-360 credits (ECTS)] and a pre-Bologna or 2<sup>nd</sup> cycle master's certificate, the final classification of the integrated master's will be considered **mandatorily**.

d) In the case of submission of only bachelor's or master's certificate(s), the classifications contained in the respective columns of Table 1 apply.

e) When candidates present **more than one comparable bachelor's and/or master's degree** (equal number of ECTS credits), it is up to the panel to decide which academic degree(s) is most appropriate (m) to the work plan and which should, therefore, be counted for the calculation of the academic path classification (sub-criterion A1). For example, if a candidate presents a Bachelor's certificate and more than one Master's certificate, the panel should consider the Master's that best fits the work plan. However, if a candidate presents Integrated Master's and 2nd Cycle Master's certificates (without a Bachelor's or 1st Cycle of Studies certificate), the panel will have to consider the integrated Master's in the calculation of the classification of the course. academic, as indicated above. The evaluation panel must consider the other course(s) presented by the candidate in the evaluation of sub-criterion A2, valuing his/her personal curriculum. In either case, the methodology decided on and applied by the panel must be explained in the respective evaluation reports and minutes.

f) For the purpose of calculating sub-criterion A1, certificates that specify only a qualitative classification (for example, pre-Bologna masters) will be converted in the terms expressed in Table 2, for the purposes of calculating the final average (degree + master's degree) and consequent determination of the classification of the academic path (by applying Table 1).

In all cases that are **not included in the situations provided for in Table 1**, a score of 0 will be assigned to sub-criterion A1. Some examples are identified:

a) When both national certificates, bachelor's and master's, **do not contain mention of the final classification obtained** (neither qualitative nor quantitative);

b) When both bachelor's and master's certificates obtained abroad **are not recognized or the respective final classifications are not converted to the Portuguese classification scale**.



**Table 2 - Qualitative ratings conversion table**

Qualitative Rating	Converted Rating
Excellent Very Good with Distinction Distinction and Praise <i>Magna Cum Laude / Summa Cum Laude</i>	18
Very Good Approved with Distinction Good with Distinction <i>Cum Laude</i>	16
Good Approved / Unanimously approved	14
Sufficient	12

- Sub-criterion A2 - Personal CV, with a weight of 50%.

The candidate's résumé will be analyzed and considered in an integrated manner, based on a global view of the merits of his/her scientific and professional path. This analysis will include academic results that were not considered for the calculation of the “academic path” sub-criterion. The various dimensions of the curriculum that can demonstrate a relevant scientific and professional path for the development of the work plan will also be considered. A bonus of up to 0.5 points can be awarded for applications that demonstrate extension activities in line with the CIDTFF's mission, including scientific dissemination and initiatives in schools and other institutions, support for classes, international mobility, among others.

- **Criterion B - Merit of the work plan, with a weight of 40%.**

- Sub-criterion B1 – Relevance of the object of study, with a weight of 30%.

The definition of the problematic, objectives and research questions will be valued, as well as the potential contribution of the research project to the knowledge and advancement of science and technology.

- Sub-criterion B2 – Scientific quality, with a weight of 40%.

The state of the art and the proposed research methodology will be valued, taking into account its clarity, consistency and coherence.

- Sub-criterion B3 – Feasibility of the work plan, with a weight of 20%.

The adequacy of the methodologies to the tasks and objectives foreseen in the work plan will be valued, as well as the presented schedule and any contingency plan.

- Sub-criterion B4 – Relevance of the work plan to the CIDTFF strategic project, with a weight of 10%.

The framework of the project in the CIDTFF mission will be valued, as well as its potential contribution to the development and strengthening of the research center's strategic project, through the explicit identification of the of research line (or lines) for which the plan of work competes/contributes.

- **Criterion C – Merit of the supervision team, with a weight of 10%.**

The scientific merit of the supervisor(s), the adequacy of the candidate's supervision and the supervision experience in the scientific area in question will be valued.

For decision purposes on granting the RG, candidates will be ranked according to the weighted average of the classification obtained in each of the three criteria, translated by the following formula:

$$\text{Final Classification} = (0,5 \times A) + (0,4 \times B) + (0,1 \times C)$$

For tie-breaking purposes, the ranking of candidates will be based on the classifications given to each of the evaluation criteria in the following order of precedence: criterion A, criterion B, criterion C.

**Candidates whose application is evaluated with a classification of less than 3,000 points in criterion B and/or with a final global classification of less than 3,000 points are not eligible for granting the research grant.**

In any of the evaluation criteria, ratings will be assigned to three decimal places. The values resulting from the application of any formulas specified in this notice will be rounded to the third decimal place, using the following rule: when the fourth decimal place is equal to or greater than 5 (five), it will be rounded up; when the fourth decimal place is less than 5 (five), the value of the third decimal place will be maintained.

#### **11. Composition of the Selection Jury:**

- Dr. Maria Helena Almeida Beirão de Araújo e Sá, Full Professor of the UA (President of the Jury).
- D. António Augusto de Freitas Gonçalves Moreira, Associate Professor of the UA (Effective member).
- Dr. Isabel Maria Coelho de Oliveira Malaquias, Associate Professor of the UA (Effective member).
- Dr. Joaquim Bernardino de Oliveira Lopes, Associate Professor with Habilitation of the UTAD (Substitute member).
- Dr. Maria Manuela Bento Gonçalves, Assistant Professor of the UA (Substitute member).

**12. Deadline for applications and how to submit applications:** The call is open from 17 to 31 October 2022, and only applications submitted within the deadline will be admitted.

Applications must be submitted by email to [cidtff@ua.pt](mailto:cidtff@ua.pt), with the subject "Application to a PhD research grant – notice EdtIB.16-DEP/2022", containing the following documents, in PDF format:

- Application form available at <https://www.ua.pt/pt/sgrh/bolseiros>;
- Elements of identity card/citizen card/passport;
- Candidate's Curriculum Vitae, with the email address for receiving notifications within the scope of the grant award process and with the ORCID. All indicators (scientific articles, communications, book chapters, books, patents, etc.) referred to in the CV and respective proof must be accessible via the internet; for this, candidates must indicate an active site where the jury can access them;
- Work plan to be developed, indicating the locations where it will be carried out, the expected contribution to the CIDTFF's strategic plan and with the following mandatory elements: title; abstract; key words; state of art; research problems, questions and objectives; work plan; detailed schedule and execution indicators; framework and relevance to the CIDTFF project; ethical issues; Contingency plan; references (maximum eight pages, including references);
- Curriculum Vitae summarized by the supervisor and eventual co-advisor(s), including: list of publications relevant to the project, previous experience in advising and monitoring scholarship holders, projects in which they have participated relevant to the work plan (maximum of three pages);
- Statement of agreement and opinion of the supervisor and eventual co-advisor(s) appointed to monitor the candidate's activity;
- Certificates of qualification of the academic degrees held, specifying the final classification and, if possible, the classifications obtained in all subjects taken;
- Record of recognition of academic degrees awarded by foreign higher education institutions and record of the conversion of the respective final classification to the Portuguese classification scale, or, alternatively, a [declaration of honor](#) that you he/she will obtain recognition of the foreign degree equivalent to that of graduate or master until the stage of contracting the scholarship, in case he/she is selected for the position (where applicable);
- Proof of enrollment in one of the Doctoral Programs indicated in point 3 of the notice or, alternatively, a [declaration of honor](#) that you meet the requirements for enrollment, if you he/she is selected for the position.



The file name must make explicit reference to its content, and there must be one file for each type of document. The file name must contain the characters from A to Z and from 0 to 9. Special characters as | / : . ; ? = " # \$ % & ( ) [ ] { } + must not be used, nor Portuguese characters such as á à é ê ò ó ã ã õ õ ê ê ç ç.

The application and all documents associated with it must be written in Portuguese or English.

**13. Form of publication/notification of results:** The final results of the evaluation will be published through an ordered list by final mark, posted on the University's website, within 90 working days after the final date of submission of the application, and the successful candidate will be notified by email. For the purposes of prior hearing of interested parties, the deadline of 10 working days is set, as provided for in the Code of Administrative Procedure. At the end of the period for hearing the interested parties, and in the absence of any response from them, the list of candidates will become final. Candidates may lodge a complaint against the final decision within 15 working days, or appeal to the maximum executive body of the funding entity within 30 working days after notification of the final decision, in accordance with the provisions of article 12 of the Research Grants Regulation of the Foundation for Science and Technology.

**14. Tender duration:** The final ranking list of candidates will be valid until September 2023, for the purpose of constituting a reserve list for selection.

The models of the grant contract and of the final report to be prepared by the grant holder and the supervisor are available at [Research fellows - sgrh - Universidade de Aveiro \(ua.pt\)](https://ua.pt/research-fellows-sgrh).

University of Aveiro, 12 October 2022

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Prof.<sup>a</sup> Doutora Maria Helena Almeida Beirão de Araújo e Sá