Call for a Research Scholarship

Call is open for the award of 1 (one) Research Grant under the **PTDC/CTM-REF/1008/2020 – FLEXSOLAR – "Flexible Solar Cells of Perovskite Thin Films and Epitaxial Silicon with High Efficiency"**, for the development of R&D activities to be carried out by graduates enrolled in academic degree courses, with the financial support of the Foundation for Science and Technology, I.P./ MCTES through national funds (PIDDAC)under the following conditions:

Scientific Area: Coatings and Films

Recipient admission requirements /Profile:

a) be graduates enrolled in academic degree course;

b) not to exceed, with the conclusion of the scholarship contract in question, including possible renewals, an accumulated period of two years, when the scholarship has been awarded to a student enrolled in a master's degree program;

c) have training in the areas of Materials Engineering, Micro and Nanotechnologies Engineering, Physics Engineering, or other related areas that have given the candidate experience in deposition of Thin Films and Plasma Deposition Technologies.

Candidates who have obtained the degree abroad must have the degree recognized in Portugal, pursuant to Decree-Law No. 66/2018 of August 16.

Work plan: The candidate will develop research work performing the following tasks with the following objectives:

- Deposition of crystalline silicon thin films by epitaxial growth using the plasma-assisted chemical vapor deposition (PECVD) technique.
- Characterization of all materials and devices produced.
- The objective is the development of HIT-type solar cells, using the epitaxially grown silicon layer.

Applicable legislation and regulations: Statute of the Scientific Research Grantee, approved by Law No. 40/2004 of August 18, amended and republished by Decree-Law No. 202/2012, of August 27 and amended by Decree-Law No. 233/2012 of 29 October, Law No. 12/2013 of January 29 and Decree-Law No. 123/2019 of August 28 and The Regulation of Research Grants of the Foundation for Science and Technology, IP - 2019, available in https://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2019.pdf and https://dre.pt/application/file/a/127230968.

It is subsidiarily applicable the Regulation of UNINOVA Research Grants, approved by deliberation of the Board of Directors of the FCT-Fundação para a Ciência e a Tecnologia, in the meeting of March 2 of 2022.

Workplace : The work will be carried out at uninova's facilities, in other facilities located on the FCT/NOVA Campus and/or in other facilities that may be necessary for its execution, under the scientific guidance of Dr. Hugo Manuel Brito Águas. UNINOVA will be the contracting entity.

Duration of the grant: The grant shall last for 6 months and is scheduled to start in November 2022.

Monthly maintenance allowance amount: The amount of the scholarship corresponds to € 875,98, according to the table of values of the scholarships awarded directly by FCT, I.P. in the country (http://www.fct.pt/apoios/bolsas/valores).

The grantee also benefits from personal accident insurance during the period of granting the scholarship and may be reimbursed for voluntary social insurance equivalent to the 1st tier.

The scholarship will be paid monthly on the last business day of each month by bank transfer.

Application deadline and form of submission of applications: The competition is open for the period from 11 to 24 October 2022.

Applications must be formalised by submitting the following documentation:

... Curriculum Vitae;
... Motivation Letter;
... Certificate of Qualifications or declaration of commitment of honor on the ownership of the respective academic degree according to draft available on the UNINOVA website (www.uninova.pt), in the Job Opportunities tab.
   Upon contracting, the Certificate of Qualifications must be delivered;
... Informed consent statement duly dated and signed, according to the draft available on the UNINOVA website (www.uninova.pt), in the Job Opportunities tab;
... Copy of ID;
... Other documents attesting to what was reported on the CV.

In the event of contractualization, the selected candidate must present the Proof of registration in a course conferring an academic degree.

Applications must be submitted to UNINOVA or submitted by email to cenimat.secretariado@fct.unl.pt, and to recrutamento@uninova.pt with the subject ***BI-Lic-FLEXSOLAR-20/2022***.

Selection methods: The selection methods to use will be as follows:

- Curriculum Vitae [50%];

- Level of knowledge in the area of deposition of thin films, with emphasis on the area of the work plan [50%].

- If the jury deems it necessary, an interview will take place only with the selected candidates, with each of the previous items valid [40%] and the interview [20%]

Composition of the Selection Jury:

1. Doctor Hugo Águas   Associate Professor
   New University of Lisbon, Portugal
2. Doctor Manuel Mendes   Assistant Professor
   New University of Lisbon, Portugal
3. Doctor Rodrigo Martins   Full Professor
   New University of Lisbon, Portugal

Form of advertising/notification of results: Both admitted and excluded candidates list and final classification list, it will be published on the UNINOVA website (https://www.uninova.pt/) and all candidates will be notified by email.

Preliminary Hearing and Deadline for Decision: After communicating the provisional list of the results of the evaluation, the candidates have a period of 10 working days to express their opinion during a prior hearing of interested parties, pursuant to articles 121 et seq. of the Code of Administrative Procedure.

The final decision will be rendered after the analysis of the statements presented during a prior hearing of interested parties. A complaint may be filed against the final decision within 15 working days, or, alternatively, an appeal may be filed within 30 working days, both counting from the respective notification.

Models of scholarship contract, final report of the grantee and final report of the advisor: These minutes are available on the uninova website (www.uninova.pt), in the job opportunities tab.