

CALL FOR POST-DOCTORAL GRANT FOR R&D PROJECTS AND INSTITUTIONS

The University of Coimbra offers one Post-Doctoral grant to work on the Project Inpactus - Innovative Products and Technologies from Eucalyptus Project, with the reference number POCI-01-0247-FEDER-021874, supported by the European Regional Development Fund (FEDER), through the Competitiveness and Internationalization Operational Program, of Portugal 2020, with the following characteristics:

Scientific Area: Chemical Engineering, Chemistry, Materials Science or related fields.

Applicant profile: PhD degree in Chemical Engineering, Chemistry, Materials Science or related areas.

Work Plan: The purpose of this scholarship is the development of research work within the framework of advanced postdoctoral training.

The grant aims the participation in the technical and economic viability analysis of functionalized paper-based solutions; to participate in the development of polymer-based coatings to paper; and to develop add value paper products with aroma and antioxidant properties. In the latter two points, three different approaches will be considered: a) development of conducting coatings; b) the use of polysaccharides and organosilanes; and c) macrocycles derived compounds.

The functionalization will be carried out by chemical or physical route and the obtained materials will be characterized by using spectroscopic techniques (e.g., 1D and 2D-NMR, X-rays, FTIR), microscopic (e.g., SEM), thermal (e.g., DSC and TG), etc.

It is expected that at the end of project innovative products, with economical value, based on paper have been developed.

The work will be developed at the Department of Chemistry of the University of Coimbra with trips to co-sponsors and project partners.

Regime: The attribution of the fellowship does not generate or entitle a relation of a legal-labour nature, it is undertaken in an exclusive dedication regime and the fellow is granted with the Fellow Statute of the University of Coimbra, according to the Fellow Statute and the Regulation of Research Grants of the Portuguese Foundation for Science and Technology (FCT), both on their current version.

Location: Department of Chemical Engineering, Faculty of Sciences and Technology, University of Coimbra and New University of Lisbon (partially).

Duration: 12 months.

Renewal: Eventually renewable.

Scientific Orientation: Professor Doutor Artur José Monteiro Valente and Professora Doutora Dina Maria Bairrada Murtinho.

Financial conditions: The amount of the fellowship is 1.495,00 €, corresponding to the monthly maintenance allowance stipulated in the FCT table. This amount will be pay at the end of each month by bank transfer.(In addition, voluntary social insurance corresponding to the first step, if the candidate chooses to grant it, as well as personal accident insurance). The value of the grant will not increase over the entire duration of its duration.

Selection methods: Curricular evaluation (50%) and Interview (50%) to be carried out to the 3 best placed in the Curricular Evaluation.

Selection and attribution criteria: The Curricular Assessment will be carried out with the following subcriteria:

(A) Experience in the research areas of the project (50%);

(B) Curriculum Analysis (50%):

- i) Number of scientific publications, up to a maximum of 15 publications (30%);
- ii) Relevance of the publications and effective contribution of the candidate (35%);
- iii) Knowledge of techniques and methodologies required for the project (35%);

The following subcriteria will be used in the interview to classify the candidates:

(C) Responsibility and commitment (50%);

(D) Knowledge in the scientific areas of the project scope (50%).

Juri: Professor Doutor Artur José Monteiro Valente, Professor Doutor Paulo Jorge Tavares Ferreira and Doutora Paula Cristina de Oliveira Rodrigues Pinto.

Application form: Applications must be formalized by sending the following documents by email:

- Motivation Letter;
- Curriculum vitae;
- Names and electronic addresses of two contacts to obtain references;
- Copy of the doctoral letter, as well as other documents considered relevant.

Candidates with academic degrees obtained abroad will be obliged to present the records of recognition of those degrees and conversion of the respective final grades to the Portuguese classification scale (whenever the foreign degree has been given a final classification), issued by the Direction-General of Higher Education or by Portuguese higher education institution (regime regulated by Decree-Law no. 341/2007, of October 12) or, alternatively, to present the document of recognition/ equivalence of the foreign qualifications to the corresponding qualifications issued by a Portuguese public higher education institution (a process regulated by Decree-Law no. 283/83 of June 21).



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Submission of application: Candidates must submit the application by email to avalente@ci.uc.pt and paulo@eq.uc.pt, indicating in the subject the reference BPD-02-21874-UC.

Deadline for application formalization: 14/05/2018 to 31/05/2018.

Date of Advertising: 11/05/2018.

Application deadline: 31/05/2018.

Additional information: The evaluation results will be announced within 90 days after the end of the applications submission deadline, by notifying the applicants via email. After the announcement of the results, candidates are considered automatically notified to, if they wish to do so, comment on the results on a preliminary hearing period within 10 days after that date. After this, the selected candidates will have to declare in writing their acceptance. Unless a justification worthy of consideration is presented, if the declaration is not submitted within the referred period, it is considered that the candidate waives the scholarship. In case of resignation or withdrawal of the selected candidate, the next candidate with the highest evaluation score will be notified immediately.