

CALL FOR RESEARCH GRANTS APPLICATION (BI)

RAIZ - Forest and Paper Research Institute opens a call to 8 research grants, within the scope of the Co-promotion R&D Project entitled "**inpactus** - Innovative Products and Technologies from eucalypts", with the reference n° **21874** " co-financed by the European Regional Development Fund (ERDF) through the Competitiveness and Internationalization Operational Program (POCI) under the following conditions:

Type of Scholarships: Research Scholarships for Masters.

Number of scholarships: 4 (four)

Field of study: Sciences, Engineering and Biotechnology

Academic profile: Chemical Engineering, Environmental Engineering, Bioprocesses, Chemistry and related areas

Mandatory admission requirements:

Master's degree completed in the academic areas mentioned above or in related fields;

Master Degree with final average score of 14 (/20) at least.

Other admission requirements and duration of the scholarships:

AREA	PULP & PAPER
Number of scholarships	3
Training / Experience Required	At least one of the following skills / knowledge - Pulp and paper production process - Evaluation of printing and writing paper or tissue properties - Process analysis tools - Modeling / Simulation Previous experience in technical-economic analysis or product engineering will be valued
Duration	12 months renewable up to a maximum of 40 months
Scheduled Start Date	

AREA	BIOREFINERY
Number of scholarships	1
Training / Experience Required	At least one of the following skills / knowledge - Chemistry of lignocellulosic materials and processing for new materials - Extraction technologies,, fractionation and analysis of natural products

	- Thermochemical biomass conversion processes Previous experience in technical-economic analysis or engineering of the product will be valued
Duration	12 months renewable up to a maximum of 40 months
Scheduled Start Date	

Other skills required:

- Ability to simultaneously perform as an individual and in teamwork
- Ability to make critical analyses of results and industrial data
- Driving license and experience for more than 1 year
- It is absolutely necessary that the candidates be available to work during normal hours of 8 hours a day and to make frequent work trips in the country

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).

Work plan:

- Carrying out laboratory tasks within the scope of the Project:
 - Pulp bleaching, evaluation of bleaching configurations, development and characterization of papers - Pulp / Paper area
 - Chemical characterization, analysis by advanced instrumental methods, biomass deconstruction trials - Biorefinery area
- Process simulation studies and collection / evaluation of lab and industrial data
- Follow-up and participation in project tasks led by the partners
- Participation in the studies of technical-economic analysis (products and technologies) resulting from the Project activities
- Elaboration of technical-scientific reports

Workplace: work will be developed at RAIZ in Eixo (Aveiro) or in the Park of Science and Innovation (Aveiro) with trips to project partners, under the scientific guidance of Doctor Paula Pinto.

Legislation Framework: A fellowship contract will be celebrated according to the regulations defined by FCT “Regulations for Advanced Training and Qualification of Human Resources”, in accordance with Law 40/2004 (Research Fellowship Holder Statute), of 18 August, as amended and republished by Decree-Law No. 202/2012 of 27 August, and as amended by Decree-Law No. 233/2012 of 29 October and by Law No. 12/2013, of January 29, and Decree-Law No. 89/2013 of 9 July. And also by the FCT, I.P. Fellowships Regulation of 2013 approved by

Regulation No. 234/2012, of June 25, as amended by Regulation No 326/2013 of 27 August 2013, in force (<http://www.fct.pt/apoios/bolsas/regulamento.phtml.en>

or

<http://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsas/docs/RegulamentoBolsasFCT2015.pdf>) and the Scientific Research Grants Regulation of RAIZ.

Scholarship grants: The scholarships correspond to €980 / month according to the table of values of grants awarded directly by FCT, I.P. in the Country (<http://www.fct.pt/apoios/bolsas/valores>). Payment will be made by bank transfer. The fellowship holder will have the option to join to the voluntary social insurance scheme under the same terms as the FCT scholarships.

Selection methods:

Curriculum evaluation (70%); Interview (30%).

The weighting of the selection criteria for curricular evaluation is as follows:

- Graduation final average score (20%)
- Relevance of the academic area (25%)
- Previous experience related to the topic (25%);

Composition of the Selection Jury:

President: Carlos de Pascoal Neto

Effective members: Paula Pinto and Pedro Branco

Form of publication / notification of results: Communication of the evaluation results will be made up to 30 working days after the deadline for submission of applications, via electronic mail.

RAIZ reserves the right to hire the candidate(s) immediately below in the final score of the selection list in the case of selected scholarship holder does not accept the scholarship or in the case of withdrawing the scholarship during the project.

Deadline for submission of Applications and Submission Form: The application is open between 07/08/2018 and 07/09/2018. Applications must be formalized, obligatorily, by submitting a form at <http://en.thenavigatorcompany.com/People/Working-in-the-company> by selecting the link "On-line Applications" and choosing the reference "inactus Research Grant - Masters", enclosing Curriculum vitae, **certificate of qualifications (mandatory)** and other supporting documents relevant to the final assessment.