

Modelo 3_BIUTAD

Title: Research grant for masters, one vacancy

REFERENCE: BI/FP7/KBBE/2013/PC0062_Agri

It is available one research grant for masters, within the project EuroLegume (FP7-KBBE-2013-7 Grant Agreement nº 613781) from the Universidade de Trás-os-Montes e Alto Douro, Portugal, funded by the 7th Research Framework Programme (FP7) of the European Commission, under the following conditions:

Scientific area:

Agricultural Sciences

Admission prerequisites:

Master in Agronomy, Environmental Engineering, Biology or related fields;

Workplan:

Establishment of field experiments with legume and non-legume crops following different rotation schemes and different cropping practices.

Measurement of soil inorganic-N forms (NH₄-N and NO₃-N), as well as total-N and organic matter content.

Measurement of NH₃, N₂O, NO, CO₂ and CH₄ emissions under field conditions:

Determination of yield and N-removal by crops.

Your key tasks as a project fellow are:

- Manage and carry through your research activities
- Write scientific articles and possibly a PhD thesis
- Participate in international congresses and project network meetings
- Disseminate your research.

Legislation and regulations:

Law N.º 40/2004, of August 18 (Status of Scientific Research Fellow); Regulation Research Grant from the Foundation for Science and Technology, IP - 2013 (<http://www.fct.pt/apoios/bolsas/regulamento.phtml>) and Research Grant Regulation from the University of Trás-os-Montes and Alto Douro - Order RT.36/2011, July 6, Mr. Rector, published in the Official Gazette by Order No. 9157/2011 (Series II) of 19 July.

Workplace:

Work will be conducted at the Universidade de Trás-os-Montes e Alto Douro under the supervision of Professor Henrique Trindade. Universidade de Trás-os-Montes e Alto Douro is located at Vila Real, Portugal.

Grant Duration:



Funded by
the 7th Research Framework Programme of the European Union

Grant duration is 12 months, starting at April/May 2014, may be renewed up to a maximum of 48 months, in accordance with current legislation.

Monthly maintenance grant:

The grant corresponds to 980 euros/month according to the FCT payment table in Portugal (<http://alfa.fct.mctes.pt/apoios/bolsas/valores>). Payment is done on a monthly basis through bank deposit, cheque or other equivalent way.

Candidates selection criteria:

The selection methods to use will be the following:

- 1- Master mark (scale 0 to 20 values);
- 2- Relevance of the area of studies to the work that must be done. Preferred masters are those in Agronomy. (scale 0 to 20 values);
- 3- Experience working in the areas of biogenic gases measurement and/or crop production and/or soil analysis and characterization. (scale 0 to 20 values);
- 4- Interview of the candidates in the case they are tied.

Candidates will be sorted in a scale from 0 to 20 values, with rounding to the first decimal place and using the following weights for the selection criteria: Master mark (50%); Relevance of the area of studies for the work to be done (25%); Experience in computation, image processing and machine learning (25%).

Jury Composition: Professor Henrique Trindade (President), Professor Carlos Castro (effective vowel), Professor Miguel Rodrigues (effective vowel).

Results publication/ Candidates notification:

The final results will be made available publicly in a sorted list according to candidate's marks. The list will be placed in a visible and public place at CITAB office (building P2 - UTAD). The best candidate will be informed by e-mail and official letter.

Application deadline and method:

Applications will be received from March, 24 to April, 4, 2014.

The documents for the application are the Application Form Mod4_BIUTAD, the curriculum vitae, a certificate containing the marks of the disciplines completed during the BSc. and Master and any other documents that the candidate may find relevant.

The form *Mod4_BIUTAD-Application Form for Fellowship* should be requested using the e-mail vr_cti@utad.pt from Vice-Rector for Science, Technology and Innovation.

The applications should be sent by email to Professor Henrique Trindade htrindad@utad.pt.

