



Marie Curie-IAPP Experienced Researcher fellow for the AD-WINE project

EXPERIENCED RESEARCHER VACANCY WITHIN AD-WINE PROJECT

Applications are invited for an Experienced Researcher/Postdoctoral fellow to be part of a collaborative project called AD-WINE.

Please note that in order to be eligible for this position, applicants must meet Marie Curie eligibility criteria, be an experienced researcher (PhD or between **4 and 10 years experience in research**) and **must NOT have lived in Spain for more than 12 months in the past 3 years**.

AD-WINE is a Marie Curie IAPP collaborative project, funded under FP7.

The Coordinator for the AD-WINE project is Dr. Estíbaliz Huete, from the Spanish company AEMA. The consortium is composed of 5 partners, AEMA and 4 Research organisations, University of Newcastle (United Kingdom), Leibniz Universität Hannover (Germany), Consorzio di Ricerche Applicate alla Biotecnologia (Italy) and Institut Français de la Vigne et du Vin (France).

Contact

ehuete@aemaservicios.com

Description

The post will be based in AEMA's premises, in La Rioja (Spain), with possible travelling in Europe.

The aim of the project is to develop a new anaerobic treatment, using high performance digesters adapted to the treatment of the wineries' effluent. The use of a high performance anaerobic system would reduce operation energetic costs, would significantly reduce the production of sludge, and would lower the operation costs of the plant.

The consortium brings together five European organizations from the commercial and non-commercial sector, with complementary knowledge. It will enable the collaboration of 14 researches of all levels, who will have the opportunity to move from country and sector for short and long term durations. The consortium will provide multidisciplinary training in the anaerobic digestion, designing and modeling, and also in the wineries wastes production and management.

To complement the research team taking part in the AD-WINE project, AEMA is looking for a researcher with experience in the field of anaerobic digestion, in order to carry out the tasks foreseen in the project.

Objectives of the project:

- Evaluation of the application and viability of high performance anaerobic digestion for the treatment of medium size wineries' effluents.

- To study different designs for the construction of an anaerobic digester, select the best one and design a prototype to test with winery effluent.
- To perform experimental job with the prototype and modify the necessary elements to perform properly.
- Development a mathematical model to design and reproduce the performance of the digester.
- To set mathematical and engineering rules to scale the prototype.

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Research Fields

Environmental sciences

Career Stage

Experienced researcher or 4-10 yrs (Post-Doc)

Research Profile

Recognised Researcher (R2)

Benefits

The advertised position will give the successful candidate the opportunity to work in a well established company and use the facilities of a state-of-the art environment, further develop his/her skills and experience and significantly enhance his/her career.

The duration of the contract is **12 months**, starting in the first quarter of 2012. **Possible extension of the contract** is possible, depending on the needs of the project.

Compensation includes: (a) Competitive monthly salary, **58,000 € per year plus mobility allowance of 700-1000 € per month**; and (b) **travel grants** to attend conferences and workshops, in addition to travel related with project requirements. For more details on salary and other benefits for the ER fellow, please refer to Marie Curie website at:

http://ec.europa.eu/research/mariecurieactions/careers_en.htm

http://cordis.europa.eu/fp7/mariecurieactions/iapp_en.html

Nr. Job Positions : 1

Closing date for applications: 20 December 2011

Requirements

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|--------------------------|------------------------|
| Required Education Level | |
| Degree | PhD or equivalent |
| Degree Field | Environmental sciences |
| Required Languages | |
| Language | ENGLISH |
| Language Level | Good |

Other Languages will be take into account
Language SPANISH, ITALIAN AND FRENCH

Preferred skills

Anaerobic digestion

Designing and modelling tools