

Decision of the Department of Environmental Sciences, Informatics and Statistics

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Call for n. 1 Short Research Fellowship - Ca' Foscari University of Venice– Department of Environmental Sciences, Informatics and Statistics

(L. 240 del December 30th 2010, art. 18, DL 19/2012;
Regulations about Short Research fellowships D.R. n. 399 del 04/05/2018)

The Department **Department of Environmental Sciences, Informatics and Statistics** of Ca' Foscari University of Venice, having regard to the resolution of the Decision for Department n. 1310/2019, date 06/11/2019, establishing the research programmes for awarding of the short fellowships in: "**Waste activated sludge treatment evaluation, applying dry anaerobic digestion technology**".

The expected starting date is on February 2020.

The research fellow must carry out the following research activity:

Deadline: 04/02/2020, 12:00 am

Abstract:The research is aimed to identify the ideal conditions for the anaerobic treatment of secondary sludge produced by the Rozzano (MI) plant. The tests will have a total duration of about 10 months and are carried out on pilot reactors that simulate a dry full scale reactor by Schmack Biogas. The pilot system includes a first stage reactor (Plug Flow Reactor) with Semi-Dry operation conditions and a second stage with Continuous Stirred Tank Reactor; the two reactors are initially managed in series and without recirculation. The pilot system has a total useful reaction volume of 420 liters and is equipped with an automatic 24 / 24h power supply system, a continuous gas analysis system, automated process management and data logging via PLC. The analytical monitoring requires the following analysis to be carried out on inlet substrate and on digestate produced: Total Solid, Volatile Solid, pH, alkalinity, Volatile Fatty Acids, Chemical Oxygen Demand, Total Kjeldahl Nitrogen, NH₄ +, Phosphorus, other nutrients, metals, pathogens. The experimental and analytical part is carried out within the experimental area of the Ca' Foscari University of Venice located within the Municipal wastewater treatment plant of Treviso.

The research fellowship amounts to Euro 6.819,67, for 5 (five) months and 5 days, gross to the recipient.

Rules of eligibility - Beneficiaries.

People with masters degree in Environmental Engineering, Environmental Sciences (or equivalent) and an adequate scientific and professional CV are eligible.

Applicants must hold all the requisites within the call deadline. The qualifications will be evaluated by a Commission that examines the eligibility and qualifications of the candidates and makes a merit rank of them.

Short Research Fellowships to non-EU citizens.

If a non-EU citizen already living in Italy applies for a Research Fellowship, he must hold a residence permit valid up to the Deadline of the call. Otherwise, the Department undertakes to undergo the procedures for obtaining a residence permit for research activities.

How to apply

Candidates should submit:

1. The application form (http://www.unive.it/nqcontent.cfm?a_id=177416), duly dated and signed.
2. A CV in European format (<https://www.unive.it/pag/10368/>) duly dated and signed.
3. A photocopy of a valid identity document (e.g. Identity Card or Passport).
4. All documents, qualifications and publications relevant for the selection procedure.

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How to submit your application

Hard copy of the application should be printed, signed and delivered to Patrizia Resente - Department of Environmental Sciences, Informatics and Statistics, via Torino 155, 30170 Mestre (VE) by hand delivery (Mon-Fri, 9:00-13:00) or by registered mail with return receipt.

Selection procedure

The selection is made by assessment of the scientific-professional qualifications of the candidates, the *curriculum vitae et studiorum*.

The short list will be published on <https://www.unive.it/data/17576/>.

Information and contacts

Candidates may find further details about the application process and the research project in the official call published on <https://www.unive.it/data/17576/>.

For further information, please contact Dr. Cristina Cavinato, phone + 39 041 234 8909, email: cavinato@unive.it

Evaluation Procedure and Commission.

A **Commission** summoned by the Director of the Department, who indicates the President of the Commission and the member taking the minutes, will evaluate the applications.

Evaluation procedure. The Commission defines the general evaluation criteria. The interview and any other test must ascertain the suitability of the applicant to the research activity. The Commission compiles a ranking and specifies the winning applicant, having regard to the score appointed to experience and qualifications, interview and any other test, as specified by the call.

Awarding of the short research fellowship Having received the selection documents, and at the outcome of the checks, the Director approves, by his own decree, the classification and the selection procedure reports and makes them public according to the procedures specified in the Regulation awarding the short research fellowship art. 6 and in the website <https://www.unive.it/data/17576/>. Exclusion is justified in detail in the selection reports which can be accessed in accordance with law 241/90.

The Director of the department at which the research programme will be conducted awards the research fellowship to the winner of the selection procedure, subject to ascertainment of the prescribed requirements. The latter shall accept the award within 7 days from receipt of the communication by signing the relative contract at the competent office of the Department which will establish the terms of and procedures for the collaboration and allocation of the grant.

Grant. The fellowship is intended to provide the successful candidate with the opportunity to pursue his/her own research while benefiting from the range of expertise at Ca' Foscari University of Venice. The tutor coordinates the activities of the Research Fellow and any other research activity within the same program and provides the Fellow with all the information for carrying out the research.

The Department provides the Research Fellow with the needed back-up support such as access to facilities, equipment and administrative services.

The Research Fellowship is not, in any case, considered as an employment contract and the Fellow is not part of the University staff.

The rights for any patentable invention coming from Research Activities belong to the University or entities with which the University has signed (or will sign) specific agreements.