



**OPENING for
One Post-Doctoral Position
within the project**

ARCHERS: Advancing Young Researchers' Human Capital in Cutting Edge Technologies in the Preservation of Cultural Heritage and the Tackling of Societal Challenges

Exclusively funded by the Stavros Niarchos Foundation



Ref. 625

Patras, 15.03.17

The Institute of Chemical Engineering Sciences (ICE/HT) of the Foundation for Research and Technology Hellas (FORTH), in the framework of the project ARCHERS, aimed at reducing or even reversing the brain drain, which is funded by an exclusive donation of the Stavros Niarchos Foundation, is seeking to recruit one post-doctoral researcher.

Title of research assignment: Fermentative hydrogen production and methane generation from different kinds of biomass and wastes

Description:

The research work concerns the following: (a) Lab-scale experiments for hydrogen production via fermentation from different wastes/wastewaters/biomasses (b) Lab-scale experiments for anaerobic digestion of the effluents of the hydrogen producing reactor (c) Lab-scale experiments for anaerobic digestion of different wastes/wastewaters/biomasses (d) Application of pretreatment technologies for enhanced hydrogen and methane production (e) Physico-Chemical and biochemical characterization of wastes/ wastewaters/biomasses (f) Simulation and modeling of fermentative hydrogen production and anaerobic digestion

Eligibility Criteria

- PhD in Chemistry or Chemical Engineering
- Good knowledge of Greek and English language

Criteria for Selection

- PhD in Chemistry or Chemical Engineering with emphasis on fermentative biofuels production (30%)
- Experience in pretreatment technologies for enhanced biofuels production (30%)
- Experience in anaerobic bioprocesses such as anaerobic digestion and fermentative hydrogen production (20%)
- Knowledge in software tools for simulation of microbial processes (Aquasim, GAMS) (10%)
- Previous Post-Doctoral experience in relevant thematic areas(10%)

Location: ICE/HT-FORTH, Patras, GREECE

Expected start date: 1st of June, 2017

Duration of appointment: 12 months (with possibility of extension according to the needs of the project).

Application Submission

Interested candidates who meet the aforementioned requirements are kindly asked to submit their applications, no later than **April 25th, 2017, 23:59 local time (Greece)** to the address kleanthi@iceht.forth.gr.

In order to be considered, the application must include:

- Filled-out Application Form (attached)
- Detailed curriculum vitae (CV) of the candidate
- Copies of academic titles/transcripts
- At least one reference letter (optionally, the reference letter could be enclosed in an envelope that must reach Ms. Kleanthi Zacharopoulou at the address: FORTH/ICE-HT, Stadiou street, Platani, Patras 26504 by the closing date for applications; the closed envelope will be handed to the evaluation committee)

Any application received after the deadline will not be considered for the selection

Contact

For information and questions regarding the application and selection procedure, candidates are asked to contact Ms. Kleanthi Zacharopoulou (kleanthi@iceht.forth.gr, Tel. +30 2610 965 278).

Selection Announcement

The result of the selection will be announced on the website of ICE/HT-FORTH.

Candidates have the right to appeal the selection decision, by addressing their written objection to the ICE/HT secretariat within five (5) days after the result announcement on the web. They also have the right to access (a) the files of the candidates as well as (b) the table of candidates' scores (ranking of candidates results). All the above information related to the selection procedure will be available at the secretariat of ICE/HT-FORTH in line with the Hellenic Data Protection Authority.

TO :
FOUNDATION OF RESEARCH AND TECHNOLOGY (FORTH)
INSTITUTE OF CHEMICAL ENGINEERING SCIENCES (ICE/HT)
STADIOU STR., PLATANI, P.O. BOX 1414
GR-26504, PATRAS
HELLAS

APPLICATION FORM FOR POSTDOCTORAL POSITION

| | |
|--|--|
| NAME | |
| SURNAME | |
| DATE OF BIRTH | |
| NATIONALITY | |
| TELEPHONE | |
| EMAIL | |
| SUBMITTED WITH THIS APPLICATION | 1. 2. 3. 4. |

Hereby I submit my application as a candidate for a Post Doctoral position:

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| [Job Description] |
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in the framework of the project ARCHERS, carried out by the Foundation for Research and Technology Hellas (FORTH), and funded by the Stavros Niarchos Foundation.

I certify that:

- A) I accept the terms and conditions of the job announcement
- B) I possess all the necessary certificates and documents and I can present them in their original form without any delay if I am asked to do so

DATE & SIGNATURE