



HELLENIC REPUBLIC
MINISTRY OF EDUCATION, RESEARCH & RELIGIOUS AFFAIRS
GENERAL SECRETARIAT FOR RESEARCH & TECHNOLOGY



FORTH

FOUNDATION FOR RESEARCH & TECHNOLOGY - HELLAS
INSTITUTE OF CHEMICAL ENGINEERING SCIENCES

**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. 267

Patras 3 /2/2017

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: Innovative Technologies for the Remediation of Soil/Groundwater/Wastewater from Recalcitrant Pollutants

Description:

The research work concerns the following: (a) Lab-scale study and numerical modeling of non-thermal plasma discharge (NTP) for the removal of recalcitrant pollutants (e.g PAHs, pesticides, pharmaceuticals, etc) from polluted soil and groundwater; (b) Lab-scale study of advanced oxidation methods (e.g. photocatalysis, non-thermal plasma) for the degradation of organic pollutants in water matrices; (c) Valorization of biomass for the development of adsorbents capable to remove multi-species pollutants (e.g. heavy metals, organics) from wastewater; (d) Chemical characterization of polluted soil/groundwater/wastewater with chromatographic (GC-MS, GC-FID) and spectroscopic techniques (UV-Vis, ATR-FTIR).

Eligibility Criteria

- PhD in Physical Sciences or Engineering
- Good knowledge of Greek and English language

Criteria for Selection

- PhD in Physical Sciences or Engineering with emphasis on Environmental Studies (30%)
- Experience in plasma oxidation studies for soil and groundwater remediation (25%)
- Experience in photocatalytic studies for the degradation of pollutants in wastewater (10%)
- Experience in adsorption studies for the removal of pollutants from wastewater (10%)
- Ability to perform independent research (10%)
- Previous Post-Doctoral experience (10%)
- Experience in chromatographic and spectroscopic techniques (5%)

Location: ICE/HT-FORTH, Patras, GREECE

Start Date: 1st of April, 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 **February 28, 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

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:

..... [Job Description]

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