

**OPENING for****“Stavros Niarchos Foundation – FORTH Fellowships” for Ph.D. candidates 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. 2272
Patras, 19/9/2017**

The Institute of Chemical Engineering Sciences (ICE-HT) of the Foundation for Research and Technology - Hellas (FORTH), in the framework of the project ARCHERS, which is funded by an exclusive donation of the Stavros Niarchos Foundation, is seeking to recruit one Ph.D. candidate. The project aims at reducing or even reversing the brain drain by providing high quality research opportunities to young scientists of Greek origin.

The Stavros Niarchos Foundation – FORTH fellows are expected to perform high quality research within one of the research areas, in which FORTH/ICE-HT excels both on the national and the international level (www.iceht.forth.gr). More specifically, the domains of interest in the present project are the preservation of cultural heritage and the science and innovation in the areas of environment, clean energy and health.

Title of research assignment: Resource recovery from wastewater streams**Job Description**

The research work concerns the following: recovery of nitrogen and phosphorous as well as biomass from landfill leachate and/or agro-industrial (dairy, olive mill waste) wastewater will be the target recovered products. Nitrogen, phosphorous and biomass could be used as fertilizers or composts and alleviate nutrients deficiency in Europe. Adsorption, biological filters, electrochemical oxidation, and constructed wetlands will be tested for the recovery of useful products and the integrated management of landfill leachate and/or agro-industrial wastewater.

Eligibility Criteria

- B.Sc. degree in Chemistry or Chemical Engineering
- M.Sc. degree in Green Chemistry and New Technologies or closely related subject
- Good knowledge of Greek and English language

Criteria for Selection

- Grade Point Average (G.P.A.) of the M.Sc. studies (20 %)

- Good experience in analytical techniques and in using HPLC (20%)
- Experience in experimental techniques for wastewater treatment and resource recovery (25%)
- Experience in landfill leachate treatment (25%)
- Participation in conferences and publications in refereed journals (10%)

Evaluation Criteria

- Grade Point Average (G.P.A.) of the undergraduate studies
- Grade Point Average (G.P.A.) of the M.Sc. studies
- Publications in high impact peer-review journals
- Participation in national and international conferences
- According to international practice, the academic age will be taken into consideration as a selection criterion. The fellows should have started/or be about to start their Ph.D. studies but should not have completed their 3rd year. Preference will also be given to Ph.D. candidates, who are under 30 years old.

Location: FORTH/ICE-HT, Patras, Greece

Start Date: 1/1/2018

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 the **30th of October 2017, 23:59 local time (Greece)** to the address kleanthi@iceht.forth.gr.

In order to be considered, the application must include:

- Filled-in Application Form (<http://www.iceht.forth.gr/jobs.html>)
- Detailed curriculum vitae (CV) of the candidate
- Statement of purpose with a proposed project in a specific sub-area of research and a relation to the appropriate scientific advisor (maximum 2 pages)
- Copies of academic titles/transcripts
- Language certificates
- At least one reference letter (optionally, the reference letter could be enclosed in an envelope that must reach Ms. Kleanthi Zacharopoulou at the address: ICE-HT-FORTH, 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 FORTH/ICE-HT (www.iceht.forth.gr).

Candidates have the right to appeal the selection decision, by addressing their written objection to the ICE/HT secretariat within five (5) days from the results announcement on the web. They also have the right to access their evaluation. The information related to the selection procedure will be available at the secretariat of ICE/HT-FORTH in line with the Hellenic Data Protection Authority.