



HELLENIC REPUBLIC
MINISTRY OF DEVELOPMENT & INVESTMENTS
GENERAL SECRETARIAT FOR RESEARCH & INNOVATION



FORTH

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

Patras, 26.05.2023

Ref. No.: 110217

Invitation for Expression of Interest:

Postdoctoral Research Assignment "Numerical simulation of the PFAS fate in the subsurface and in situ PFAS remediation"

The Institute of Chemical Engineering Sciences, Foundation of Research and Technology - Hellas, (FORTH/ICE-HT) is seeking applicants for one postdoctoral research assignment in the context of the research project "Strategies for health protection, pollution Control and Elimination of Next generation Refractive Organic chemicals from the Soil, vadose zone and water, acronym "SCENARIOS" "Grant Agreement number: 101037509 — SCENARIOS — H2020-LC-GD-2020 / H2020-LC-GD-2020-3", which is implemented under the H2020 Research and Innovation Action.

Job Description

To conduct research under a work or a fixed-term employment contract in the framework of the aforementioned project "SCENARIOS". The main objective of the specific part of SCENARIOS is to: (i) develop transport models and numerical codes at mesoscopic and macroscopic scale to predict the fate of Per- and poly Fluoro Alkyl Substances (PFAS) in unsaturated and saturated zones of sites; (ii) use the numerical models for optimizing the in-situ remediation strategy of PFAS contaminated sites

Location: FORTH/ICE-HT, Patras, Greece

Duration: up to 6 months, with the potential of renewal or extension according to the needs of the project

Salary: up to approximately 2.500 € per month, depending on qualifications (total cost of the employer, including social security and taxes), depending on qualifications

Envisaged starting date: 1/8/2023

Requirements and Qualifications

- Master degree in Physics / Chemistry / Chemical Engineering / Environmental Engineering
- The candidate is required to hold PhD in Physics / Chemistry / Chemical Engineering / Environmental Engineering
- Proven participation in research projects funded by the EC or the State
- Relevant publications in international journals and peer-reviewed conference proceedings
- Proven experience in the use of software packages on computational fluid dynamics
- Good knowledge of the Greek and English (at least B1 level) language

The evaluation of the candidacies will be based on the following criteria and qualifications:

Qualifications	Weight	Evaluation criteria
Experience on the development of in-house software and use of commercial packages (e.g. ANSYS, Comsol, MATLAB) for the numerical modeling and simulation of multi-fluid transport and reactive processes in porous media, as	25	Duration of proven experience in relevant projects (5 points per 6 months of employment in relevant projects with a maximum of 25 points)

SCENARIOS



proven from the participation in relevant research projects		
Experience on the numerical modeling of pollutant remediation in soil and wastewater	25	Duration of proven experience, 5 points per 6 months of employment in relevant projects with a maximum of 25 points
Publications in international journals and peer-reviewed conference proceedings in the aforementioned subjects	25	Number of publications in journals and peer-reviewed conference proceedings in the aforementioned subjects (5 points per publication with a maximum of 25)
Relevance of PhD Thesis to the aforementioned subjects	15	Weakly relevant=5, moderately relevant=10, completely relevant=15
Knowledge of the English language	10	No certificate: 0 points B2: 5 points C1: 8 points C2: 10 points

Application Submission

Interested candidates who meet the aforementioned requirements should submit their applications, no later than 8/6/2023, 16:00h, by email to Kleanthi Zacharopoulou: kleanthi@iceht.forth.gr.

In order to be considered, the application must include:

- Application letter
- CV
- Scanned copies of academic titles & English language certificate
- Copy of PhD thesis
- Copies of the publications in peer-review international journals and in conference proceedings
- Employer's certificate of the work experience and any other official document to certify the aforementioned required qualifications

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

Selection Procedure

Applications that are received on time will be evaluated by a scientific committee using the criteria mentioned above. If necessary, certain candidates will be invited to a personal interview with the committee.

Interview Criteria:

(a) Background in the objective of the assignment (5 points). (b) Organizational and communication skills (5 points). (c) Team-spirit and self-motivation (5 points). (d) Commitment to achieving the goals (5 points)
The outcome of the selection will be announced on the website of FORTH/ICE-HT as well as on the website of "DIAVGEIA".

Selection Announcement

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

Candidates have the right to appeal the selection decision, by addressing their written objection to the FORTH/ICE-HT Research Secretariat, e-mail: kleanthi@iceht.forth.gr, within five (5) days after the results announcement on the web.



Contact

For information and questions regarding the application and selection procedure, candidates are asked to contact the FORTH/ICE-HT Research Secretariat, e-mail: kleanthi@iceht.forth.gr, tel.: +30 2610 965278.

For information and questions about the advertised position and the research activity of the group or the Institute, candidates are asked to contact Dr. Christos Tsakiroglou, tel: +30 2610 965212, e-mail: ctsakir@iceht.forth.gr.

General Protection Data Regulation

FORTH is compliant with all legal procedures for the processing of personal data as defined by the Regulation EU/2016/679 on the protection of natural persons with regard to the processing of personal data.

FORTH processes the personal data and relevant supporting documents that you have submitted to us. Processing of that data is carried out exclusively for the needs and purposes of this specific call. Such data shall not be transmitted to or communicated to any third party unless required by law. FORTH retains the above data up to the announcement of the final results of the call, unless further process and reservation is required by law or for purposes of exercise, enforcement, prosecution of certain one's legitimate legal rights' as defined in the Regulation EU/2016/679 and/or in national law.

We inform you that under the Regulation EU/2016/679 you have the rights to be informed about your personal data, access to, rectification and erasure, restrictions of process and objection to as provided by applicable regulation and national laws.

We acknowledge also to you, that you have the right to file a complaint to the national Data Protection Authority. For any further information regarding exercise of your personal data protection rights, you may contact the Data Protection Officer at FORTH at dpo@admin.forth.gr. You have the right to withdraw your application and consent for the processing of your personal data at any time. We inform you that, in this case, FORTH shall destroy such documents and/or supporting documents submitted and shall delete the related personal data.

For FORTH/ICE-HT,

Theofilos Ioannides
Director

