



Patras, 14.01.2022

Ref. No.: 70017

Invitation for Expression of Interest:

PhD Candidate: "Effects of PFAS on the effective transport coefficients of porous media"

The Institute of Chemical Engineering Sciences, Foundation of Research and Technology - Hellas, (FORTH/ICE- HT) is seeking applicants for one PhD position 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-20203", which is implemented under the H2020 Research and Innovation Action.

Job Description

To conduct research as a graduate research fellow, under a work or an employment contract, in the framework of the aforementioned project "SCENARIOS". The main objective of the specific part of SCENARIOS is to determine the isotherms of surface and interfacial tension of Per- and PolyFluoroAlkyl Substances (PFAS) solutions, and their effects on the effective transport coefficients of porous media, and development of relevant models".

Location: FORTH/ICE-HT, Patras, Greece

Duration: up to 12 months, with the potential of renewal or extension according to the needs of the project

Salary: up to 1.240 € per month depending on qualifications (total cost of the employer, including social security and taxes)

Envisaged starting date: 01/03/2022

Requirements and Qualifications

The applicant should hold undergraduate Diploma in Chemical Engineering and have been registered as a PhD Candidate in Engineering or Natural Sciences. In addition, the candidate should have sufficient background on two-phase flow processes in porous media, and proved experience on chemical analyses of organics in liquid samples with gas chromatography techniques. Candidates must have knowledge of the Greek and English language.

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

Qualifications	Weight	Evaluation criteria
Background on the two phase flow processes in porous media	25	<p>Relevance to the Dip. Ing. Thesis: strong relevance: 20 points, medium relevance: 10 points, weak relevance: 5 points (maximum 20 points)</p> <p>Relevant publications in refereed journals and peer-review</p>

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		proceedings of conferences: 2.5 points/publication (maximum 5 points)
Degree grade	20	Degree grade X 2 points
PhD thesis relevant to the subject area of the position	20	Relevance to the PhD thesis: strong relevance: 20 points, medium relevance: 10 points, weak relevance: 5 points
Experience on the analysis of organics in liquid samples with gas chromatography techniques	20	Demonstrated through participation in relevant projects: 6 months: 10 points 12 months 15 points 18 months and more: 20 points
Knowledge of the English language	15	B1: 7.5 points B2: 10 points C1: 12 points C2: 15 points

Application Submission

Interested candidates who meet the aforementioned requirements should submit their applications, no later than 31 January 2022, 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
- Any document to support the aforementioned required qualifications and evaluation criteria
- Certificate of registration as a PhD candidate

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

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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 (Research Director, FORTH/ICE-HT), 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,

Vasilis Burganos
Director

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