HELLENIC REPUBLIC
MINISTRY FOR EDUCATION AND RELIGIOUS AFFAIRS
GENERAL SECRETARIAT FOR RESEARCH AND TECHNOLOGY

FOUNDATION FOR RESEARCH AND TECHNOLOGY-HELLAS
INSTITUTE OF CHEMICAL ENGINEERING SCIENCES (FORTH/ICE-HT)

Patras, April 30, 2014
Ref. No.: 1454

INVITATION FOR EXPRESSION OF INTEREST

POST-DOCTORALFELLOWSHIP "Theoretical and experimental investigation of the precipitation of sparingly soluble salts in supersaturated solutions and on different substrates."

The Institute of Chemical Engineering Sciences, Foundation of Research and Technology - Hellas, (FORTH/ICE-HT) is seeking applicants for one postdoctoral position in the context of the research project 'EXCELLENCE II 4420: Theoretical and experimental study of the controlled precipitation of inorganic salts in granular and consolidated porous media".
The project is implemented in the frame of the Operational Program "Education and Lifelong Learning 2007-2013" - Action «EXCELLENCE II» - No 4420, and is co-financed by the European Union (European Social Fund) and Greek national funds.

Job Description
The research work is entitled "Theoretical and experimental investigation of the precipitation of sparingly soluble salts in supersaturated solutions and on different substrates." The job concerns the following: (a) the development of a batch reactor system for the investigation of sparingly salt precipitation under homogeneous and heterogeneous conditions (b) the determination of the mechanisms for the crystal growth of sparingly soluble salts under different supersaturation conditions (c) the investigation of salt precipitation and crystal growth in solutions with miscible and immiscible oleic phases together with the aqueous phase (d) to perform thorough literature survey on sparingly soluble salts precipitation and crystal growth both in aqueous media and in mixed solvents.

Duration
14 months

Salary
34,440.00€

Requirements and Qualifications
The candidates must hold a University degree in Chemistry or Chemical Engineering. Candidates must have proven experience in organizing and executing experiments for the precipitation and growth of crystals of sparingly soluble salts in the presence of heterogeneities. Also, candidates must have proven experience in solution chemistry, thermodynamics analysis of solutions with the aid of software packages and techniques on the precipitation of salts in aqueous solutions or in solids characterization by spectroscopic and other techniques.

Scoring of Credentials - Criteria

The eligible candidates will be evaluated with weight factors which are analyzed in detail below:

	Criterion	Weight factor (%)
1	Scientific Excellence of the candidate	30
2	Research Experience on the subject of the proposed position	30
3	Active participation in EU and national research project	20
4	Ability for the dissemination of the results and future prospects	20

Deadline for submission of expression of interest

The position is open to suitably qualified candidates of any nationality. Indicative closing date for applications is the 15th of May, 2014.

Application procedure

Please send your detailed CV and related materials, in PDF format, to kleanthi@iceht.forth.gr.

Evaluation - right to access documents / lodge appeal

Five-member Committee will evaluate the nominations.
The evaluation results will be posted on the website of FORTH / ICE-HT.

Following the posting of the results, interested parties have the right to:

- Lodge an appeal within five days of the day following the posting of the evaluation results.
- Access, within five days of the day following the posting of the evaluation results, after submitting a written request to the Contracting Authority, to the individual files and the individual evaluation/grading sheets of the remaining candidates provided the provisions are met in document no. C/EX/ 4163-1/06.07.2012 from the Hellenic Personal Data
- Protection Authority, i.e. when he has a legitimate interest to defend his rights before the courts.

Contact

For more information about FORTH/ICE-HT please visit the URL http://www.iceht.forth.gr.
For further information about the post-doctoral fellowship please contact Professor Petros Koutsoukos, tel: +30 2610 997265, e-mail: pgk@chemeng.upatras.gr, pgk@iceht.forth.gr.

For FORTH/ICE-HT,

Vasilis Burganos
Director