



Patras, 1.8.2023

Ref. No.: 116303

### Invitation for Expression of Interest:

#### **Postdoctoral Research Assignment** “Physicochemical properties and transformation/degradation analysis of multicomponent (MCNMs) and high aspect ratio (HARNM) nanomaterials”

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 “Development and scaled Implementation of sAfe by design tools and Guidelines for multicOmponent aNd hArn nanomaterials», DIAGONAL, GA No 953152”, which is implemented under the H2020-NMBP-TO-IND-2018-2020 / H2020-NMBP-TO-IND-2020-two stage.

#### **Job Description**

To conduct research under a work assignment or a fixed-term employment contract in the framework of the aforementioned project DIAGONAL. To conduct experimental work on physicochemical characterization of selected and redesigned Multicomponent Nanomaterials (MCNMs) and High Aspect Ratio Nanoparticles (HARNs) using spectroscopic, electron microscopy and other analytical techniques (such as IR-ATR, Raman, SEM, XRD). The job will also involve participation in the daily implementation of DIAGONAL project deliverables and preparation of reports to Project Coordinator and EC.

**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 2.950,00 Euros per month, (total cost of the employer, including social security and taxes), depending on qualifications

**Envisaged starting date:** 1/10/2023

#### **Requirements and Qualifications**

The applicant should hold an undergraduate B.S. or Diploma in Natural Sciences and a PhD in the area of Physical Chemistry. Experience in materials characterization with spectroscopic techniques is strongly favored. Candidates must have good knowledge of the Greek and English (at least B2 level) language.

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

Qualifications	Weight	Evaluation criteria
Proven experience in physicochemical characterization of materials (mainly Spectroscopic techniques as Raman and IR, XRD)	30	Criterion is the documented hands-on experience during MSc/PhD/Postdoc, 5 points / year, maximum score 30 points
Publications in peer-reviewed international journals	25	Number of publications, 2 points / publication, with a maximum of 25 points



Previous research experience and participation in research projects funded by the EC or the State	20	Criterion is the duration of contract work, 4 points / year, maximum score 20 points
Relevance of the PhD thesis to the research topic	15	Strong relevance: 15 points, medium relevance, 10 points, weak relevance: 5 points
Knowledge of the English language	10	English language degree (C1=5 points, C2=10 points)
<b>TOTAL</b>	<b>100</b>	

### Application Submission

Interested candidates who meet the aforementioned requirements should submit their applications, no later than 11/8/2023, 16:00h, by email to Kleanthi Zacharopoulou: [kleanthi@iceht.forth.gr](mailto:kleanthi@iceht.forth.gr), . cc: [gvog@iceht.forth.gr](mailto:gvog@iceht.forth.gr).

In order to be considered, the application must include:

- Application letter
- CV with clear description of the methodologies possessed by the applicant and the level of experience
- Scanned copies of academic titles and language knowledge certificates
- Copies of the publications in peer-reviewed journals
- Copy of the PhD thesis
- Employer's certificate and any other official documentation of the required experience

**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](mailto: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](mailto: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. George Voyiatzis, tel: +30 2610 965253, e-mail: [gvog@iceht.forth.gr](mailto:gvog@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](mailto: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

