



**One (1) post-doctoral researcher position in
Exploit4InnoMat project
An Open Innovation Ecosystem for exploitation of materials for building
envelopes towards zero energy buildings
(Call: HORIZON-CL4-2022-RESILIENCE-01, GA 101092339)
Funded under HORIZON.2.4 - Digital, Industry and Space**



Funded by
the European Union

**Ref. 171161
Heraklion 11/03/2025**

The Institute of Electronic Structure and Laser of the Foundation for and Technology Hellas (IESL - FORTH), in the framework of the project “Exploit4InnoMat - An Open Innovation Ecosystem for exploitation of materials for building envelopes towards zero energy buildings”, (Call: HORIZON-CL4-2022-RESILIENCE-01-20 - Climate Neutral and Circular Innovative Materials Technologies Open Innovation Test Beds (IA), GA ID 101092339), funded under HORIZON.2.4 - Digital, Industry and Space, is seeking to recruit one post-doctoral researcher.

Job Description

The post-doctoral Researcher will work on the fabrication of polymeric nanocomposite materials with multifunctional properties varying from photocatalytic devices to heating insulators for buildings and constructions, following the Fused Deposition Modeling (FDM) 3D printing technique. Moreover, he/she will be responsible for the characterization of the 3D printed samples using FT-IR and Raman spectroscopy, X-Ray diffraction (XRD) and Thermal conductivity analysis.

Required qualifications

- BSc in Chemistry, or Material Science (20%)
- MSc degree in Applied Molecular Spectroscopy (20%)
- PhD in Chemistry or Materials science & technology (20%)
- Characterization of nanocomposite materials using FT-IR and Raman spectroscopy, X-Ray diffraction (XRD) and Thermal conductivity analysis (10%)
- Scientific publications in international peer-review journals, relevant to the synthesis of nanocomposite materials and their characterization using FT-IR and Raman spectroscopy (20%)

Desirable qualifications

Academic knowledge and professional experience in innovation & technology management (10%)

Location: IESL-FORTH, Heraklion Crete GREECE

Start Date (earliest): June 1, 2025

Project Duration: 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 **March 22, 2025, 23:59 local Greece time** to the address (hr@iesl.forth.gr), with cc to the Scientific Coordinator Dr George Kenanakis (gkenanak@iesl.forth.gr).

In order to be considered, the application must include:

- Application Form (please download file from the job announcement webpage <https://www.iesl.forth.gr/en/jobs-bids/jobs/job-positions>)
- Detailed curriculum vitae (CV) of the candidate
- Scanned Copies of academic titles

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 the secretariat (hr@iesl.forth.gr), tel. +30 2810-391314.

For information and questions about the advertised position and the research activity of the group or the institute, candidates are asked to contact Dr G. Kenanakis (gkenanak@iesl.forth.gr), tel. +30 2810-391917.

Selection Announcement

The result of the selection will be announced on the website of IESL-FORTH.

Candidates have the right to appeal the selection decision, by addressing their written objection to the IESL secretariat within five (5) days since the results announcement on the web. They also have the right to access (a) the files of the candidates as well as (b) the table of candidates' scores (ranking of candidates results). All the above information related to the selection procedure will be available at the secretariat of IESL-FORTH in line with the Hellenic Data Protection Authority.

GDPR

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.