

Research fellowship on “Analysis of different processes for the recovery and recycling of Polyvinyl chloride (PVC) and thermoplastic elastomers (TPE)”, Project “Near-infrared spectroscopy experimentation for sorting Polyvinylchloride (PVC) and thermoplastic elastomers (TPEs) in creative recycling and reuse” - Rif. 2024.0031 - ID 54329 - Call for Research and Development 2024 - Objective 2: Enhancement of human capital and promotion of opportunities for young people, funded by Fondazione Cassa di Risparmio di Verona, Vicenza, Belluno and Ancona (Fondazione Cariverona).

(Italian law 30 December 2010, n.240, art. 22 and subsequent amendments and additions)

The present document in English is to be considered as a mere summary of the main provisions of the notice of competition which is available in Italian at the following ([link](#)). The text in Italian is the official text of the notice of competition for all legal intents and purposes and, in the event of non-conformity with the present document, it shall prevail.

Description

The Temporary Centre “Progetto Ecosistema dell’Innovazione” at Università Ca' Foscari Venezia invites applications for a fellowship in:

Title: Analysis of different processes for the recovery and recycling of Polyvinyl chloride (PVC) and thermoplastic elastomers (TPE),

SSD or Research sector: CHEM-04/A

GSD (see DM 639/2024): 03/CHEM-04

Scientific coordinator or supervisor: Professor Valentina Beghetto

Duration: 12 months

Abstract: The activities will concern the evaluation of possible methodologies for the recovery and recycling of PVC and TPE. In particular, the evaluation of different spectroscopic techniques for the characterization of the materials will be carried out and the various devices available on the market. On the basis of this information, feasibility studies on the possibility to recover and recycle PVC or TPE materials supplied by different producers/users will be assessed.

The research may be carried out in English.

The fellowship is intended to provide the successful candidate with the opportunity to pursue his/her own research while benefiting from the range of expertise at Università Ca' Foscari Venezia.

Who can apply

Prospective candidates are expected to hold a master’s degree in chemistry and sustainable

technologies and appropriate scientific-professional curriculum.

Ca' Foscari encourages applications from researchers with positive evaluation in all the criteria in individual proposals such as Marie Skłodowska Curie Actions - Individual Fellowships/ERC Starting Grants/FIRB (Italian Fund for basic research investments)/SIR (Scientific Young Independence Research) or similar.

Researchers having successfully completed Marie Skłodowska Curie Actions - Individual Fellowships/ERC Starting Grants/FIRB (Italian Fund for basic research investments)/SIR (Scientific Young Independence Research) or similar funded projects are warmly encouraged to apply.

The following are considered preferential qualifications:

- doctoral degree;
- the completion of attendance of a doctoral course pending the awarding of the degree;
- specialization diplomas and certificates of attendance at postgraduate specialization courses, obtained both in Italy and abroad; the performance of documented research activities at public and private entities with contracts, scholarships or assignments both in Italy and abroad;
- certificates related to previous work or collaborative activities with research institutions/universities.

Duration of contract: 12 months (approximately starting in December, 2024)

Stipend: The research fellowship amounts to 19.367,00 Euros gross percipient per year, net of charges to be borne by the institution.

Deadline for submission of applications: November 19th, 2024 – 12.00 noon.

How to apply:

Candidates shall submit:

1. The application form;
2. A motivation letter (max 1 page) along with their CV in European format, duly dated and signed, both to enclosed as a one single.pdf file ([link](#)); a declaration must be appended in the footnote of the curriculum, pursuant to the Italian DPR 445/2000 and subsequent amendments and additions, that the information provided corresponds to the truth. Moreover, the candidates have to consent to the use of their personal data for the purposes of this selection procedure pursuant to the Italian Legislative Decree 196/2003 and to the EU Regulations 2016/679;
3. The attachments called “obligations and understanding” and “participation and compatibility”;
4. All documents, qualifications and publications relevant for the selection procedure (please, see

the notice - [link](#));

5. A copy of a valid identity document (either Identity Card or Passport);
6. (If available) Evaluation Summary Reports of Marie Skłodowska Curie Actions - Individual Fellowships/ ERC Starting Grants/FIRB (Italian Fund for basic research investments)/SIR (Scientific Young Independence Research) individual proposals having passed all the evaluation thresholds;
7. (If available) Details of Marie Skłodowska Curie Actions - Individual Fellowships, ERC Starting Grants, FIRB (Italian Fund for basic research investments)/ SIR Scientific Young Independence Research funded projects.
8. All documents, qualifications and publications relevant for the selection procedure (please, see the notice [link](#)).

All the schemes of the quoted documentation are available on the website ([link](#)).

Incomplete applications will be rejected.

How to submit your application

Applications should be submitted by the online procedure, available on the notice webpage:

<https://apps.unive.it/domandeconcorso-en/accesso/sperimentazione19112024pvctpe>

The candidate, after the uploading, will receive a submission number and an e-mail acknowledging receipt of his/her application.

The candidate, if necessary, could access the procedures for updating any data and materials by the link provided by the e-mail, in any case any updates must be made no later than the deadline of **November 19th, 2024 12.00 noon**.

Please note that the University can be contacted for any support needs by the candidate until 24 hours prior to the deadline.

Please note that in case of a high number of applications and / or weight of the materials loaded by the candidates the system might become slower, therefore it is suggested not to start the process close to the deadline.

NB: The University does not take on responsibility for wrong or late communication of addresses, nor for any communication problem not depending on the University.

Evaluation

Up to 100 points, specifically:

For qualifications, publications and possible tests, from 0 to 60;



For interview, from 0 to 40.

Selection procedure

Short-listed candidates will be invited for interview on **November 26th, 2024 at 12.00, noon at the Alfa Building, Office 512 (5th floor) of the Scientific Campus of Ca' Foscari University Venice**, located in Via Torino, 155 - Mestre-Venice. The short-list of the candidates admitted to the interview, or any postponement, will be published on the University's webpage on **November 20th, 2024** ([link](#)).

It is the candidate's responsibility to check the admission results and, if admitted, to show up (or connect to the link in case of telematic interview) at the required date and time.

The interview may ascertain knowledge of the following topic:

- analysis of current methodologies for the characterization of PVC and TPE;
- evaluation of PVC and TPE production methods and identification of possible critical issues for their recovery and recycling;
- analysis of PVC and TPE samples;
- analysis of possible impacts from PVC and TPE recovery/recycling.

Information and contacts

Candidates may find further details about the application process and the research project in the official call published on the following ([link](#)).

For further information please contact CESA, email: inest_pnrr@unive.it.