

**Research fellowship on: “Study of the mountain environment using chemical indicators”, PNRR iNEST Project, Interconnected North-East Innovation Ecosystem - Implementing Entity: University of Padua, - CUP: H43C22000540006 (Italian law 30 December 2010, n.240, art. 22)**

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 “Centro temporaneo Progetto Ecosistema dell’Innovazione” at Università Ca’ Foscari Venezia invites applications for 1 fellowship in:

**Title** Study of the mountain environment using chemical indicators

**SSD or Research sector** CHIM01

**Scientific coordinator and supervisor** Prof. Andrea Gambaro

**Duration** 12 months

**Abstract** The research fellow position is part of the National Recovery and Resilience Plan (NRRP) project “Interconnected Nord-Est Innovation Ecosystem” (iNEST) funded from the European Union - NextGenerationEU. The goal of the project is to create an innovation ecosystem whose characterizing dimension is the synergy across the territory and the digital technology as the common theme to ultimately overcome its fragmentation. The research fellow will in particular contribute to Research Topic 2 (RT2 - Resilience of mountain production systems and supply chains) and 3 (RT3 - Decentralization of mountain structures and infrastructures) of Spoke 1 (Ecosystems for Mountain Innovation) of the iNEST project, by carrying out industrial research and/or development mostly on the following topics: (a) Determination of water-soluble organic compounds in mountain aerosol using mass spectrometry coupled with chromatography (b) Evaluation of the physiological state of mountain biological matrices using chemical indicators (c) Chemical transformations of pollutants in mountain environments. Furthermore, he/she will actively take part and/or contribute to other (current or future) activities of the Spoke 1 as well as the whole I-NEST ecosystem (e.g., technology transfer, networking, citizen engagement, and reporting).

### Research fellowship results

The research fellow will produce the following deliverables:

- Reports (1 every 6 months)
- Final report and final seminar

The research may be carried out in English.

The fellowship is intended to provide the successful candidate with the opportunity to pursue its 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 Technology for the Environment; Environmental Science or equivalent title obtained abroad and a professional scientific curriculum suitable for carrying out research activities.

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.

**Duration of contract:** 12 months renewable (approximately starting in December 2023)

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

**Deadline for submission of applications: November 13<sup>th</sup>, 2023 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.

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 at the following link:

<https://apps.unive.it/domandeconcorso-en/accesso/inest131123studio>

The candidate, after the uploading, will receive a submission number and an email 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 13<sup>th</sup>, 2023 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

The short-list of the candidates admitted to the interview, the exact time or any postponement, will be published on the University's webpage on **November 16<sup>th</sup>, 2023** ([link](#)).

Short-listed candidates will be invited for interview on **November 22<sup>th</sup>, 2023 (Italian time)**.

The interview will be held in remote only. Further details on how to connect online will be published alongside the convocation notice.

**It is the candidate's responsibility to check the admission results and, if admitted, to show up at the required date and time.**

The interview may ascertain knowledge of the following topic:

- Identification of sources of atmospheric aerosol contamination by chemical indicators
- Assessment of the physiological state of biological matrices by chemical indicators.
- Chemical characterization of atmospheric aerosol.
- Methods of analysis of water-soluble compounds in environmental matrices by chromatographic techniques coupled to mass spectrometry.

## 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](mailto:inest_pnrr@unive.it)