



**Public notice for expressions of interest - art. 22 ter, paragraph 4 of Law 240/2010 and subsequent amendments and additions pursuant to art. 8 of the University Research Assignments Regulation for the awarding of one Research Assignment entitled "Research and selection of membranes for the filtration/purification of syngas and the identification of catalytic systems to optimize the production of hydrogen from plastic waste", SSD: CHEM-04/A, for a duration of 12 months, at the Department of Molecular Sciences and Nanosystems, Project code: 24729\_005043\_04018480246 "CIRCLE-P - Recycling and Reuse of Plastics and Green Energy Production in Circular Processes", CUP D19J24000870007, funded by PR Veneto ERDF 2021-2027 funds, in reference to the "Call for funding research and development projects implemented by Regional Innovation Networks and Industrial Districts - Specific Objective 1.1. "Develop and strengthen research and innovation capabilities and the introduction of advanced technologies" - Action 1.1.1 (Sub. A) "Strengthen research and innovation (in collaboration) between companies and research organizations" - Regional Government Decision 472/2025, area: "Smart Manufacturing".**

## **The Director of the Department of Molecular Sciences and Nanosystems**

### **ORDERS**

#### **Art. 1 – Subject of the Notice**

1. A procedure is activated for the awarding of n. 1 Research Assignment with a duration of 12 months with the possibility of renewal and/or extension through a public notice aimed at collecting expressions of interest from candidates for carrying out research activities, entitled "Research and selection of membranes for the filtration/purification of syngas and the identification of catalytic systems to optimize the production of hydrogen from plastic waste on the Project " CIRCLE-P - Recycling and Reuse of Plastics and Green Energy Production in Circular Processes", CUP D19J24000870007" funded by funded by PR Veneto ERDF 2021-2027 funds, in reference to the "Call for funding research and development projects implemented by Regional Innovation Networks and Industrial Districts - Specific Objective 1.1. "Develop and strengthen research and innovation capabilities and the introduction of advanced technologies" - Action 1.1.1 (Sub. A) "Strengthen research and innovation (in collaboration) between companies and research organizations" - Regional Government Decision 472/2025, area: "Smart Manufacturing"- scientific director: Prof.ssa Valentina Beghetto
2. The start of the activity is expected on May 2026
3. The project aims to: The overall objective of the project is to support project partners in developing a sustainable pyrogasification process for the production of high value-added products.
4. The amount of the Assignment is equal to Euro 22.699,02 gross annual, net of charges to the University. The amount may be subject to adjustment following any changes in legislation.

#### **Art. - 2 Characteristics of the Assignment**

To carry out these activities, excellent management and organizational skills are required, as well



as the ability to interact with project partners. The candidate will chair project meetings, prepare necessary reports, and monitor the project's proper progress according to the established procedures and timelines. The candidate will also be required to prepare and present project materials at relevant conferences and congresses, where possible. Good spoken and written English is required.

The candidate must demonstrate the following skills:

In-depth knowledge of polymeric materials chemistry,

- polymer characterization techniques,
- recovery/recycling techniques,
- experience in polymeric materials processing,
- expertise in the principles of green chemistry and the circular economy.

2. The main activities the candidate will be responsible for are:

- Bibliographic/patent analysis
- Identification of methodologies for the valorization of plastic waste through pyrogasification;
- Processing and analysis of materials provided by partners;
- Sample preparation;
- Drafting of project deliverables and milestones;
- Organization and participation in relevant conferences;
- Preparation of articles for publication in peer-reviewed journals.

### Art. 3 - Requirements for participation

1. Participation in the expression of interest is open to young scholars of any nationality who have obtained a master's degree or a single-cycle degree no more than six years before the deadline of this Notice or an equivalent qualification obtained abroad and have a curriculum suitable for assisting in the performance of research activities, pursuant to art. 22 ter, paragraph 4 L. 240/2010 and subsequent amendments and additions. In the case of multiple degrees, the six-year term is calculated from the date of obtaining the first master's or single-cycle degree.

2. *Essential requirements*

The candidate must have the following qualification: Master's Degree in Chemistry and Sustainable Technologies, scientific-disciplinary sector: CHEM-04/A

Without prejudice to the provisions of art. 9 of the Notice, the following may not hold an assignment and are therefore automatically excluded from participation in this notice:

- those who have held contracts pursuant to art. 24 of Law 240/2010 as well as permanent staff, hired on an open-ended basis, of the subjects referred to in paragraph 1 of art. 22 of Law 240/2010 and subsequent amendments and additions;
- those who have a degree of kinship or affinity, up to and including the fourth degree, with a professor belonging to the structure making the call or with the Rector, the Director General or any member of the University's Board of Directors

3. *Expected knowledge:*

- in-depth knowledge of polymeric materials chemistry,
- polymer characterization techniques,
- recovery/recycling techniques,
- experience in polymeric materials processing,

- expertise in the principles of green chemistry and the circular economy

4. *Soft skills:*

- Excellent teamwork skills;
- Excellent ability to work independently;
- Excellent written and spoken English

**.Art. 4 - Methods of submitting Expressions of Interest**

1. Candidates can express their interest in the assignment by sending their availability no later than 12:00 (Italian time) on the fifteenth day starting from the date of publication of the Notice in the computer section of the Official University Register - Online Register. If this deadline falls on a public holiday, the deadline is extended to the first working day.
2. The expression of interest and the relevant documentation must be sent exclusively through the procedure available at the address:  
<https://apps.unive.it/domandeconcorso-en/accesso/dsmn26criclepincaricoric>
3. by entering your Tax Code.  
Foreign citizens who do not have one can generate a temporary code through:  
<https://apps.unive.it/utills/cf>  
The Notice is published on the specific University web page ([link](#)).
4. The candidate must fill out the online form and attach all the mandatory documents required by the Notice.  
After submitting the Expression, the candidate will receive a confirmation email of the successful submission and an application code with which they can access the procedure for any updates to the data and materials no later than the deadline of the Notice.  
For support or clarifications, you can contact the structure exclusively up to 24 hours before the deadline of this notice at Department of Molecular Science and Nanosystems, research office: [ricerca.dsmn@unive.it](mailto:ricerca.dsmn@unive.it), ph: 041-2348633/8514.  
**It is recommended not to start the procedure close to the deadline due to possible system slowdowns.**
5. Candidates are required to provide active and monitored telephone numbers and email addresses. The University cannot be held responsible for any disruptions resulting from incorrect, inactive, or unmonitored contact details.
6. The application must be accompanied by:
  - a) a copy of a valid identity document in .pdf format
  - b) a scientific-professional curriculum vitae, in a single PDF file. The curriculum must be signed, accurately describe the scientific-professional qualifications, and contain a declaration of truthfulness (Presidential Decree n. 445/2000) and authorization for the processing of personal data (Legislative Decree 196/2003 and EU Regulation 2016/679);
  - c) List of Scientific Publications
  - d) Description of Educational Background
  - e) Any documents relating to past experience relevant to the topics of the Research Assignment



For candidates with foreign qualifications only, attach a copy of the qualification with an Italian or English translation and exam grades, accompanied by a self-declaration of conformity of the translation. This documentation will be useful for the purpose of equivalence.

It is in any case recommended to attach any other useful document for the declaration of equivalence, which the candidate possesses;

Those who have a Diploma Supplement (DS) may not present other documentation, provided that the DS provides a complete description of the nature, level, context, content and status of the studies carried out.

7. Incomplete expressions of interest, those without the mandatory signed attachments (where required), or those sent after the deadlines are inadmissible.
8. The University assumes no responsibility for the candidate's unavailability or for the dispersion of communications due to incorrect indication of contact details, failure or late communication of changes, or for disruptions not dependent on the University.
9. The declarations contained in the expression of interest and in the relevant attachments are to be considered for all legal purposes as a self-certification pursuant to articles 46 and 47 of Presidential Decree 445/2000 and subsequent amendments and additions of the data contained therein and the attached documents.

The University carries out sample checks on the truthfulness of what is declared.

The untruthfulness of what is declared entails the forfeiture of any benefits resulting from the measure issued, without prejudice to the provisions of the penal code and special laws on the matter.

#### **Art. 5 - Awarding of the assignment**

1. The expressions of interest received will be evaluated by the scientific director of the project, Prof.ssa Valentina Beghetto.  
The scientific director will send the Director of the Department of Molecular Science and Nanosystems the report with the indication of the candidates who have submitted the expression of interest, expressing for each candidate a reasoned judgment of suitability or unsuitability for the performance of the research project in relation to the scientific-professional profile and indicating the candidate to whom the assignment is to be awarded.
2. The Scientific Director, at their discretion, if they deem it necessary to delve into the participation requirements, may interview one or more candidates. The candidates indicated by the Scientific Director will be contacted by the Secretariat of the Department of Molecular Science and Nanosystems at the contact details (email and/or phone) indicated in the expression of interest.
3. The awarding of the assignment will be approved by decree of the Director of the Department of Molecular Science and Nanosystems and published on the official register and on the University website. The publication of the decree constitutes notification to the interested parties of the outcome of the procedure and the list of suitable candidates remains effective for the entire duration of the Research Project in question.
4. The holder must accept within 7 days of receiving the communication  
**Option 1:** by signing the contract at the competent office of the Department of Molecular Science and Nanosystems or by signing the contract by affixing a remote digital signature (<https://www.agid.gov.it/it/piattaforme/firma-elettronica-qualificata/ottenere-firma-elettronica>).  
The contract will regulate the terms and methods of carrying out the collaboration activity and



the payment of the remuneration, as provided for in the premises of this Notice.

5. The research assignment may be renewed or extended, in the presence of the relative financial coverage, in the ways and terms provided for in article 11 of the University's Research Assignments Regulation.
6. Within the project referred to in this Notice, the scientific director may draw from the list of suitable candidates, by drawing up a report containing the detailed reasons, in case it is necessary to identify additional candidates for:
  - a. impossibility of signing the contract with the candidate previously identified;
  - b. renunciation of signing the contract by the candidate previously identified;
  - c. withdrawal from the contract by the holder of the research assignment;
  - d. need to award additional research assignments on the same project.

#### **Art. 6 - Activities of the assignment holder**

1. The activity takes place at **Department of Molecular Science and Nanosystems** for the entire duration of the assignment, without prejudice to missions or off-site activities provided for by the research project and/or those previously authorized by the tutor/scientific director or by the Director of the structure.
2. The assignment holder carries out their activity independently and without a pre-established work schedule, within the limits of the research program and the instructions of the research director.
3. The activity of the assignment holder does not constitute an employment relationship and does not give the right to access the University's roles.
4. The holder of a research assignment must register with the separate INPS management and the Ministerial portal [loginmiur.cineca.it](http://loginmiur.cineca.it), implement the University's Arca catalog containing the scientific publications produced by the assignment holder, comply with the University's regulations, in particular this Regulation, the University's Regulation for the valorization of knowledge and the University's Policy for the valorization of knowledge and IP management, the Regulations on confidentiality, the University's Code of Ethics and Conduct, the Regulation containing the code of conduct for public employees, pursuant to article 54 of Legislative Decree 30 March 2001, n. 165.

#### **Art. 7 - Methods of control and evaluation of the activity carried out by the assignment holders**

1. At the end of the research or at another frequency identified by the Department of Molecular Science and Nanosystems, the assignment holder is required to submit a written report on the research activity carried out.
2. In the report, the assignment holder must account for the research methods applied and the results achieved, including partial ones.
3. The assignment holder, at the end of their activity, must also provide the Department with the following scientific products: Written report of the activities carried out in relation to the identification of methodologies for the recovery and valorization of plastics through pyrogasification

The report will be examined by the interested structure and will be accompanied by the tutor's judgment on the congruity of the research methods applied and the validity of the results achieved.



4. In the event of a negative evaluation of the report, as provided for in art 15 of the Regulation, the structure, after hearing the holder, may propose, and subsequently deliberate, the revocation of the assignment.
5. The assignment holder is required to report on their research activity whenever requested by the tutor or the reference structure. For this purpose, a diary-register may be requested to periodically record the state of implementation of the pre-established program.
6. The University's right to withdraw from the contract in the event of serious and documented non-compliance by the assignment holder reported by the tutor/scientific director or the reference structure remains unaffected. Any legal action by the University to protect its interests and its assets also remains unaffected.

#### **Art. 8 - Suspension of research activity**

1. The research activity and the assignment are suspended, without reducing the duration, in case of certified absences, for compulsory military service, compulsory maternity, paternity, adoption, fostering and parental leave, serious illness or serious family reasons.  
Assignment holders must promptly communicate the occurrence of the aforementioned conditions to the Director of the structure.
2. The suspension periods will be recovered at the end of the natural expiration of the contract. A total period of absence not exceeding thirty working days, even if not consecutive, does not constitute suspension, and consequently does not need to be recovered.

#### **Art. 9 - Incompatibility - Prohibition of accumulation**

1. Research assignments are not compatible with attending bachelor's, master's or single-cycle degree courses, research doctorates or medical specialization courses, in Italy or abroad, without prejudice to the possibility of implementing specific research financing programs of the European Union within the framework of the actions related to the Marie Sklodowska-Curie (MSCA) program, nor with the holding of research doctorate scholarships or other scholarships, for any reason granted by national or foreign institutions, except in the case where these are aimed at international mobility for research reasons.
2. Research assignments are not compatible with the contracts referred to in articles 22 and 22 bis of Law 240/2010.
3. The holder of the research assignment can carry out self-employed work or occasional or continuous collaborations, compatible with the research activity in progress and with the prior authorization of the structure, provided that the activity:
  - does not involve a conflict of interest with the specific research activity carried out by the holder of the research assignment;
  - does not prejudice the University.
4. The holding of the assignment is compatible with unpaid leave for employees of public administrations, even if part-time employees. The legal provisions that regulate the awarding of paid assignments to full-time public employees remain unaffected. Employees of private companies can take advantage of research assignments with unpaid leave as provided for by current legislation and the relevant National Collective Labor Agreements (CCNL).
5. The holder of a research assignment can participate in different university research groups and



projects from those for which he/she was recruited, unless there are other causes of incompatibility provided for by the specific financing programs for which the assignment was activated.

#### **Art. 10 - Intellectual property**

The legal and economic regime relating to the protection and exploitation of all research results will be established by the contract.

Specifically, the University holds the Industrial Property Rights on the research results and the Copyrights on the Particular Works of the Intellect developed by the assignment holder.

In this regard, the University's Regulation for the valorization of knowledge and the definitions contained therein apply.

#### **Art. 11 – Tax, social security and insurance treatment.**

1. For research assignments, the provisions of Art. 4 of Law 13.08.1984, n. 476 and subsequent amendments and additions apply regarding tax matters, as well as the provisions of Art. 2, paragraphs 26 and subsequent of Law 08.08.1995, n. 335 and subsequent amendments and additions regarding social security matters.
2. Regarding compulsory maternity leave, the provisions of the Decree of the Minister of Labor and Social Security of 12 July 2007 apply. During the period of compulsory leave, the INPS allowance (Art.5 of the aforementioned decree of 12 July 2007) is supplemented by the structure up to the full amount of the remuneration.
3. Regarding sick leave, article 1, paragraph 788, of Law 27 December 2006, n. 296, and subsequent amendments and additions apply.
4. The University provides insurance coverage for accidents and third-party liability in the performance of the research activity.

#### **Art. 12 - Processing of personal data**

The processing of personal data takes place in accordance with the applicable national and community legislation (Legislative Decree 196/2003 and EU Regulation 2016/679). The information notice can be downloaded at the following link: <https://www.unive.it/privacy> or on the notice page of the present call.

#### **Art. 13 - Head of the procedure**

Pursuant to art. 5 of law 07/08/1990, n. 241 and subsequent amendments and additions, the head of the administrative procedure for this selection is Sonia Barizza, Secretary of the Department of Molecular Sciences and Nanosystems., head of the relevant office/structure, head of the relevant structure.

#### **Art. 14 – Final provisions**

For anything not provided for in this notice, reference is made to the University's Regulation and the legislation in force on the matter.

Venice,



Università  
Ca' Foscari  
Venezia

Dipartimento di Scienze  
Molecolari e Nanosistemi

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