

Call for Candidates

The University of Modena and Reggio Emilia announces a selection procedure for the allocation of No. 2 fixed-term posts for university researchers for research and teaching support at the departments listed below for the following scientific disciplines:

MODENA SITE

Department of Chemical and Geological Sciences

n. 1 university researcher fixed-term - art. 24, comma 3 – lettera a), legge 240/10	
GSD	03/CHEM-05 ORGANIC CHEMISTRY
SSD	CHEM-05/A Organic Chemistry
Specific functions of the Researcher: The researcher will accomplish the research, teaching, integrated teaching and student service activities within the topic of SSD CHEM-05/A e GSD 03/CHEM-05, in the bachelor's and master's degree courses of the Department of Chemical and Geological Sciences. To define the areas of research, please refer to the declarations in Annex A del DM 639/2024.	
Educational and scientific commitments The teaching activity will concern the bachelor, master's and PhD courses held at the Department of Chemical and Geological Sciences and will be carried out in all areas of the SSD CHEM-05/A and GSD 03/CHEM-05, primarily taking into account the teaching needs of the Degree course in Green and Sustainable Chemistry L-27 R activated in Mantua, but also respecting the teaching needs of the Degree Programs of the Department of Chemical and Geological Sciences and of other Degree Programs and Research PhD Courses activated at the University of Modena and Reggio Emilia. The researcher will carry out his/her research activity in the field of green synthetic methodologies for obtaining polymeric materials of industrial interest with low environmental impact. The aim of the activity is the development of new strategies for controlled polymerization with a low content of metal catalysts or with biocatalysts starting also from bio-based monomers, for the post-functionalization of short-chain telechelic polymeric materials and for the production of covalent networks with recyclability requirements. Starting from known polymerization techniques, the researcher will have to produce new materials by implementing, where possible, the processes making them more eco-compatible, constantly operating with a view to scalability at an industrial level, and using recycled materials. This figure fits perfectly with research activities already present at the Department of Chemical and Geological Sciences in collaboration with the industrial world.	
Foreign language	English
Maximum number of scientific publications:	12, including doctoral theses
Type of contract	Full-Time
Duration of contract	36 months

Department of Life Sciences

n. 1 university researcher fixed-term - art. 24, comma 3 – lettera a), legge 240/10	
GSD	03/CHEM-03 GENERAL AND INORGANIC CHEMISTRY
SSD	CHEM-03/A General and Inorganic Chemistry
Specific functions of the Researcher: The researcher will have to carry out his/her teaching and student service in the area envisaged by the SSD CHEM-03/A General and Inorganic Chemistry. For the definition of the research areas, please refer to the declarations in annex A of Ministerial Decree 639/2024.	

Educational and scientific commitments	
The researcher will carry out its research activity consistently with the expertise and topics relevant to the CHEM-03/A General and Inorganic Chemistry. Specifically, the ideal candidate should operate in some of these topics: study of the mechanism of molecular recognition (including also biomolecules and macromolecules and nanostructured materials) at metal and semiconductor functionalized surfaces; study of the interactions between components for recognition and electrolyte solutions, including the thermodynamics and kinetics; applications of such systems and components for molecular recognition, obtained with innovative and sustainable technologies, also multiscale, both experimental and theoretical-computational; design, sustainable fabrication and prototyping of electronic and optoelectronic devices integrating such components and systems for molecular recognition.	
Foreign language	English
Maximum number of scientific publications:	12, including doctoral theses
Type of contract	Full-Time
Duration of contract	36 months

Admission requirements

Candidates in possession of the following title will be admitted to the selection procedure: **Research doctorate (or equivalent if obtained abroad) or Diploma of Medical Specialisation;**

Candidates must be in possession of above mentioned requirements at the application deadline in order to gain admission to the selection process.

The Administration guarantees fairness and equal opportunities for men and women in terms of work access and contractual conditions.

How to apply and deadline

The application must be filled in and submitted only electronically by PICA – Piattaforma Integrata Concorsi Atenei, available at the following link: <https://pica.cineca.it/unimore/> penalty of exclusion within 30 days from publication of the present announcement

The Office will be closed from 24 December 2024 to 6 January 2025 inclusive. On closing days it will still be possible to submit an application for participation via the PICA IT application.

The guideline to submission is on line at <https://pica.cineca.it/unimore/>

Before the deadline it is possible to save the application in draft form. The date of submission is certified by the electronic system, that will send a receipt by mail. After the deadline, it will be no more possible to edit and submit the electronic form. To each application will be assigned an ID number, which has to be used for following communications together with the competition code.

The date and the time of submission is certified and proven by the electronic system, that will automatically send a receipt to the applicant's mail, after the submission of the application. In case the applicant will not receive the message, he has to contact the PICA online support. Any further information on the submission of the application can be required by email (ufficio.concorsidocenti@unimore.it) or telephone (+39 059 205 7077-6451-7056) to Ufficio Reclutamento Personale Docente, Ricercatore e Atipici

Candidates in possession of the necessary titles must also attach the following to the application:

- 1) a curriculum vitae of the candidate's scientific and teaching activities (in Italian language);**
- 2) titles and documents believed useful for purposes of comparative evaluation and relative list of such documents;**
- 3) scientific publications and relative list, presenting copies, or authenticated copies/photocopies. In the latter case, the candidate will have to present a statement substituting the affidavit as defined in attachment B. This declaration will have to be signed and presented together with a photocopy of a form of ID belonging to the signer.**

The failure to comply with the maximum number of publications limit, will imply the exclusion of the candidate.

Documents and titles attached must correspond to the requisites as described in art. 3 of the original Italian text to which candidates should refer.

Participation in the selection process requires the payment of a non-refundable contribution of 30 (thirty) Euros, as a forfeit coverage of the selection process expenses.

Payment must be made Only via PagoPA

Evaluation Procedure

The comparative evaluation provides a preliminary assessment of the candidates with analytical judgment motivated securities, CV and scientific output, including the thesis, according to the criteria and parameters which are also recognized in the international area of research, in the manner determined by the DM No 243 of May 25, 2011.

The timetable of the aptitude interviews and/or seminar talks **will be publicised via a notice on the website** of the Human Resources Office at the following address: www.unimore.it/bandi **at least 15 days before the candidates will be required to take them.**

This notice will serve as notification for all those who take part in the selection process, who may be admitted “with reserve” and thus required to be present on the day and at the time and place stated, without any further communication.

The absence of the candidate will lead to his/her automatic exclusion from the selection process.

Candidates must come to the interview with a valid form of ID.

For application form and further information please refer to the original version of the call for candidacies in Italian (<https://titulus-unimore.cineca.it/albo/>).