



Excerpt from the Rector's decree n. 541/2023

Call for the selection of n. 5 Junior Research Fellows

(Under the Italian Law 240/2010 article 24, subparagraph 3, point a)

The University of Pisa announces a call for 5 Junior Fixed-Term Research Fellow for the Department and the scientific area or sector as listed in Annex A.

The fixed-term contract is to carry out research activities, teaching, integrative teaching activities and services for students, for a 350 hours commitment, on a full-time basis.

The Junior Research Fellow is required to perform lectures for a minimum of 36 up to a maximum of 60 hours per academic year, allocated as an institutional assignment for Bachelor's and Master's degree programs, Specialization Schools and PhD programs. It is possible to provide a further derogation up to a maximum of 72 hours, in order to avoid an excessive partitioning of teaching modules.

Contract duration: 3 years

Deadline for application: 28/04/2023, 1 p.m.

Admission requirements:

PhD or equivalent academic qualification awarded in Italy or abroad and recognised as eligible for admission.

Medical specialization, for the sectors concerned

As for a qualification awarded abroad, equivalency or comparability documentation has to be provided as stated under:

D.Lgs.165/2001, article 38:

http://www.funzionepubblica.gov.it/sites/funzionepubblica.gov.it/files/modulo_equivalenza_Titoli_Accademici.pdf

Or under:

D.P.R. 382/1980, article 74:

<https://www.unipi.it/index.php/titoli-accademici-esteri>

As for an equivalent or comparable academic qualification, the candidate shall be admitted within the application's deadline and shall provide the qualification equivalency or comparability before the signing of the contract.

No admission to this selection for:

- Professors or Research Fellows with permanent position at the university, currently employed or currently retired;
- Fixed-term Research Fellowship or Post PhD research grants at the University of Pisa or other Italian universities, either public, private or online, and other public institutions (Under the Italian Law Italian Law n. 240/2010, articles 22 and 24) for a period that, totalled over this contract, would exceed 12 years altogether, even when not consecutive. As for the duration of the working period mentioned above, parental leave or medical leave, are excluded (under the existing legislation).

Applications:

Applications are to be submitted online only, using the following link: <https://pica.cineca.it/unipi/>

or will be invalid. It is necessary to have an email address to login and complete the application.

Applicants should fill in all the required data and upload all documents in PDF format.

The system allows saving a draft of the application within the application deadline. The system will register the online application date and send a receipt with an automatic e-mail reply. After deadline, the system will not allow login nor application submission.

In order to be valid, application shall include all the required data, applicant's signature and a valid identification document.

Each application will be assigned a tracking number to be cited in all subsequent communications, together with the selection code provided by the application form.

Applicants undertake to communicate in writing any variations of what declared in the application form.

The communication shall be edited in PDF format, signed and forwarded to the University of Pisa Rector via the Italian certified e-mail system address (P.E.C. Posta Elettronica Certificata): protocollo@pec.unipi.it or via e-mail at: concorsi@adm.unipi.it. Applicant's valid identification document shall be annexed.

For further information on application submission, please refer to concorsi@adm.unipi.it

For any IT malfunctioning please refer to unipi@ Cineca.it.

Applications shall be completed with the following annexes:

1. A self-attested Curriculum of the personal didactics, teaching and scientific activities, dated and signed;
2. The Publications applicant considers eligible for this selection with the corresponding list dated and signed;
3. A complete list of all Publications, dated and signed;
4. A copy of the fiscal code (if applicable) and identification card/passport, dated and signed;

All publications should not exceed 30 megabyte and are to be submitted in PDF format only, using the specific section of the application form.

Selection procedure:

A Rector's Decree will appoint the Selection Committee, consisting of three members.

The selection will be made according to a preliminary assessment of the candidates with an accurate and evidenced analytic evaluation of the Curriculum, of qualifications and scientific results, including PhD thesis.

After the preliminary assessment, the candidates that have comparatively proven to be the most meritorious, will be admitted to an open interview; they will represent between 10 and 20 % of the total and will be not less than six. The interview will concern applicant's qualifications and scientific results. In the event the number of applicants is six or less, all candidates are admitted.

Information about date, time, list of candidates admitted, and the conditions of the assessment interview will be published on the University website at the following link: <https://bandi.unipi.it/public/Bandi?type=RIC>, in the specific section reserved to the selection, 45 days after the deadline for the submission of the applications (with a twenty days' notice guarantee).

The publication on the University website is to be regarded as convocation notice for the participants to the selection, who must show the day and time indicated; no further communications will be published. The failed attendance to the interview will be considered as a voluntary waiver.

Selection Committee meetings for purposes other than qualifications and publications assessment may be held remotely, in whole or in part, using a video meeting platform, in compliance with the Regulation "Regolamento temporaneo per lo svolgimento delle sedute collegiali in modalità telematica" art. no. 2,3 and 4, referred to in the Rectoral Decree no. 491/2020 of 6 March 2020 and subsequent amendments, as well as with the Rectoral Decree no. 1099/2020 of 7 August 2020, art. 3.

Qualifications and publications assessment will be held "in-presence", pursuant to the Rectoral Decree no. 1099/2020 of 7 August 2020, art. 1, and in compliance with the "Safety Protocol against Covid-19 Spread. Guidelines for in-presence Selection Procedures", issued by the Rectoral Decree no. 1011/2020 of 21 July 2020.

At least one member of the Selection Committee shall be present during the qualifications and publications assessment; the other Committee members can attend the selection procedure either "in-presence" or remotely, in compliance with the Regulation "Regolamento temporaneo per lo svolgimento delle sedute collegiali in modalità telematica".

In the event of "in-presence" selection procedures also attended remotely by one or more Committee member, it shall be specified that the session is held "in-presence", allowing however one or more Committee member to attend remotely and indicating the possible operating procedures for attendance; the selection minutes must include both the names of the members "in presence" and remotely connected, along with the operating platform used.

In order to ensure a limited access to the premises where the qualifications and publications assessment is carried out, auditors shall be allowed in (in compliance with the aforementioned Safety Protocol) only upon written request to be emailed at least two days before the selection procedure to concorsi_ricercatori@unipi.it. Live Streaming will be provided at <https://www.unipi.it/index.php/concorsi-gare-e-bandi> (see the relevant section) to guarantee the publicity of the qualifications and publications assessment.

Upon the Selection Committee approval, candidates living abroad and therefore unable to attend the "in-presence" interview at the University of Pisa, will be interviewed via web, prior their identification by approved international universities or research centers. The Selection Committee is appointed to assure the duly examination of the candidates and shall collect their ID copy.

Please note that the English version is given as a matter of courtesy, for the only purpose of information. It cannot be legally used in the event of a dispute or a claim arising from the interpretation of this translation and concerning the contents, a possible uncertainty, contradiction or discrepancy. Should this occur, the Italian version of the call shall prevail as the only valid. For full Italian text see: <https://bandi.unipi.it/public/Bandi?type=RIC>

Annex

Selection code A1

Department of Philology, Literature and Linguistics

Academic Recruitment Field 10/F1 - ITALIAN LITERATURE

Academic Discipline L-FIL-LET/10 - ITALIAN LITERATURE

Nr. of position available: 1

Specific research activity:

It will concern studies on literary works and cultures from the origins of the Italian language to the contemporary age and on related authors, as well as those on works in other languages written within the same historical-geographical context. It will refer to different literary modes and genres, to research methodologies, to the history of the discipline, to that of criticism and poetics, and to the didactic techniques for the transmission of knowledge related to the sector. Particular attention will be paid to the literary production devoted to the natural sciences and to the transformations human activity brings about in the balance between animal and plant species.

Scientific productivity objectives

Articles published in international peer-reviewed journals; contributions in conference proceedings.

Venue of activities:

Department of Philology, Literature and Linguistics.

Specific teaching activities envisaged:

Teaching pertinent to SSD L-FIL-LET/10 in the Department's Bachelor's and Master's degree and PhD courses.

Maximum number of publications that candidates may submit, including the doctoral thesis if submitted:
12

The oral test will ascertain knowledge of the following language: English.

Department of Civil and Industrial Engineering

Academic Recruitment Field 09/C2 - THERMAL SCIENCES, ENERGY TECHNOLOGY, BUILDING PHYSICS AND NUCLEAR ENGINEERING

Academic Discipline ING-IND/19 - NUCLEAR POWER PLANTS

Nr. of position available: 1

Specific research activity:

The research activity will focus on the study of safety systems for the development of ITER and DEMO fusion nuclear reactors. In particular, the activity that the holder of the contract will have to carry out will see him involved both in the development of models and theoretical/computational analysis, in collaboration with NINE srl, and in experimental research to be conducted at the laboratory "Bruno Guerrini" of the DICl and/or at the ENEA Research Centre of Brasimone, aimed at validating and qualifying the numerical models previously developed. The researcher will also be involved in research activities that will be carried out by the DICl within the Horizon-Europe EUROFUSION project (GA No. 101052200) active from early 2021 until the end of 2025.

Scientific productivity objectives

The scientific activity involves participation in national and international research projects funded by public or private bodies, the drafting of articles for scientific journals relevant for ASN purposes and possible participation in national and international conferences.

Venue of activities:

Department of Civil and Industrial Engineering (DICl), Laboratory of "Simulation for Nuclear Thermohydraulics" of DICl and Laboratory "Bruno Guerrini" of DICl.

Specific teaching activities envisaged:

Teaching activity in the scientific disciplinary sector ING-IND/19, in particular on issues relating to the engineering of nuclear fusion and fission reactors.

Maximum number of publications that candidates may submit, including the doctoral thesis if submitted:

12

The oral test will ascertain knowledge of the following language: English.

Department of Energy, Systems, Territory, and Construction Engineering

Academic Recruitment Field 08/C1 - DESIGN AND TECHNOLOGICAL PLANNING OF ARCHITECTURE

Academic Discipline ICAR/10 - ARCHITECTURAL ENGINEERING

Nr. of position available: 1

Specific research activity:

Specific research activity, envisaged with regard to the ICAR / 10 SSD - the scientific-disciplinary contents refer to the analysis of building organisms, in their foundational aspects of a constructive, functional, typological and formal nature and in their system hierarchies, aimed at the topics the feasibility of the project and the optimal compliance of the works with the essential requirements. They involve the critical evaluation of traditional and innovative building techniques and their translation in terms of assisted design and production processes. Both the problems of new buildings at various dimensional scales and those of conservation, recovery and renovation of the existing ones are of interest - and with particular regard to digital innovation in the field of methods and tools for building information modeling.

Scientific productivity objectives

On a topic relevant to the research activity: monographic publications, publications in national and international journals, participation in national and international conferences, research collaborations with national and international bodies and institutions.

Venue of activities:

Department of Energy, Systems, Territory, and Construction Engineering

Specific teaching activities envisaged:

According to the provisions of the law; in the ICAR/10 SSD and SC 08/C1

Maximum number of publications that candidates may submit, including the doctoral thesis if submitted:

12

The oral test will ascertain knowledge of the following language: English.

Selection code A4

Department of Information Engineering

Academic Recruitment Field 09/H1 - INFORMATION PROCESSING SYSTEMS

Academic Discipline ING-INF/05 - INFORMATION PROCESSING SYSTEMS

Nr. of position available: 1

Specific research activity:

Research activity on topics characterizing the disciplinary scientific sector object of the call with particular reference to the design and application of simulation and formal verification environments for software models (digital-twins) of cyber-physical systems to increase system reliability and guarantee user safety.

Scientific productivity objectives

Publication of papers on qualified international scientific journals; participation to international conferences; involvement in national and international research projects.

Venue of activities:

Department of Information Engineering

Specific teaching activities envisaged:

*Teaching activity in courses of the scientific sector "09/H1 - Information processing systems".
Management of teaching activities and projects.*

Maximum number of publications that candidates may submit, including the doctoral thesis if submitted:

12

The oral test will ascertain knowledge of the following language: English.

Selection code A5

Department of Agricultural, Food and Agro-Environmental Sciences

Academic Recruitment Field 07/B2 - ARBORICULTURE AND FOREST SYSTEMS

Academic Discipline AGR/03 - ARBORICULTURE AND FRUITCULTURE

Nr. of position available: 1

Specific research activity:

The research activity will concern the topics of the SSD AGR/03, with particular reference to grapevine and viticulture, to the evaluation of the quality of the grapes, to the planning and sustainable management of vineyards (analysis of the spatial variability of the vegetative state also through precision agricultural techniques, sustainable management of the canopy and of the water resource, modulation of the evolution of grape ripening).

Scientific productivity objectives

Publication of articles in qualified international journals, participation in national and international congresses; participation in national and international projects.

Venue of activities:

Department of Agricultural, Food and Agro-Environmental Sciences

Specific teaching activities envisaged:

The didactic activity will concern the SSD AGR/03, with particular reference to lectures and practices for the courses "General viticulture", "Special viticulture" as part of the Bachelor's Degree Course in Viticulture and Enology, and the courses "Vineyard design, canopy management and quality of production", "Vineyard management in organic viticulture" as part of the Master's Degree Course in Sustainable Innovation in Viticulture and Enology.

Maximum number of publications that candidates may submit, including the doctoral thesis if submitted:

12

The oral test will ascertain knowledge of the following language: English.