



UNIVERSITÀ DI PISA

Excerpt from the Rector's decree n. 558/2025

Call for the selection of n. 8 Senior Research Fellows
(Under the Italian Law 240/2010 article 24, subparagraph 3, point b)

The University of Pisa announces a call for 6 Senior Fixed-Term Research Fellows for the Departments and the Academic Fields or Academic Disciplines 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 Senior Research Fellow is required to perform lectures for a minimum of 48 up to a maximum of 96 hours per academic year, allocated as an institutional assignment for Bachelor's and Master's degree programs, Specialization Schools and PhD programs.

Contract duration: 3 years

Deadline for application: June 9th 2025, 1 p.m.

Admission requirements:

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

As for a qualification awarded abroad, equivalency or comparability documentation must 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.

Candidates are required to declare the following:

1. That they enjoy full rights of citizenship in their home State.
2. That they have not been convicted or found guilty of any criminal offence; in the event of any conviction, it is mandatory to provide the details of the relevant judgments and any pending criminal proceedings.
3. That they have not been dismissed or dispensed from employment by a Public Administration office for persistent unsatisfactory performance; that they have not been declare disqualified from State employment, in compliance with article 127, first paragraph, letter d) of the Consolidation Act of Provisions concerning State civil servants approved by Presidential Decree no. 3 of 10 January 1957.

4. That they are registered on the electoral roll.
5. That they have knowledge of the Italian language.

Required qualifications:

to have been employed as a Fixed-Term Research Fellow for a three- year period already completed by the application's deadline; (Under the Italian Law 240/2010, article 24, subparagraph 3, point b)

or

to be a researcher, a scholar or a scientist holding the Italian National Certification for Full or Associate Professor (Under the Italian Law 240/2010 article 16);

or

to hold a Postgraduate School qualification for the relevant medical fields;

or

to have had at least a three-year period of contracts, even when not consecutive and already completed by the application's deadline, performed with:

- research grants (under the Italian Law 449/97, art 51, subparagraph 6 or the Italian Law 240/2010 article 22 or comparable academic contracts abroad)
- post PhD grants (under the Italian Law 398/1989, article 4 or comparable academic contracts abroad)
- contracts concluded in compliance with the Law no. 230 of 4 November 2005, art. 1, paragraph 14.

Please note: the above-mentioned three-year period could aggregate: Fixed-Term Research Fellowship, post PhD research grants and fellowship in foreign Universities (under DM 662/2016).

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 n. 240/2010, articles 22 and 24) for a period that, totaled 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 shall 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 in Italian (mandatory, under penalty of exclusion) and in English (optional) of the personal didactics, teaching and scientific activities, dated and signed;

The non-submission of the CV in Italian will result in exclusion from the procedure.

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 tax 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 fifteen 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 to the selection.

The discussion of qualifications and publications, even if it takes place in the form of a seminar open to the public, and the possible test to verify the linguistic skills referred to in article 7 of the relevant University

Regulations, will take place in person or, where adequately motivated, remotely or in mixed mode, in compliance with the provisions of Presidential Decree no. 862/2022 of 23 May 2022.

During the discussion of qualifications and publications, an oral test will also be held to ensure adequate knowledge of the foreign language indicated in the announcement.

The Commission will declare the candidate's suitability or otherwise in terms of knowledge of the language.

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>

Selection code A1

Department of Pharmacy

GSD 03/CHEM-08 Technology, Socioeconomics and Regulation of Medicinal and Health and Wellbeing

SSD CHEM-08/A Technology, Socioeconomics and Regulation of Medicinal and Health and Wellbeing

Products Nr. of positions available: 1

Focus of research

Research related to the design, chemical-physical and biopharmaceutical characterization of medicines containing active ingredients of natural, synthetic, or biotechnological origin, as well as medical devices, food supplements, cosmetic products, and health-related products. This includes conventional dosage forms and innovative modified-release systems, including micro, nanotechnological, and supramolecular systems, aimed at the delivery of active molecules in humans or animals, and for tissue regeneration, including polymeric biomaterials of natural, synthetic, or semi-synthetic origin

Scientific productivity

Dissemination of the results to the scientific community through publications in peer-reviewed international journals and presentation of the results in national and international meetings

Head office

Department of **Pharmacy**

Specific teaching activity of the contract

Courses belonging to the SSD CHEM-08/A for the Bachelor's, Master's, and Single-Cycle Degree programs at the University of Pisa

Candidates may present a maximum number of **12** scientific publications

Candidates will be required to demonstrate an adequate knowledge of **English** language

Selection code A2

Department of Philology, Literature and Linguistics

GSD 10/Fran-01 French Language, Literature And Culture

SSD FRAN-01/A French Literature

Nr. of positions available: 1

Focus of research

The scope of the research will concern the topics included in the description of the Scientific Disciplinary Sector FRAN-01/A: studies on literary works, culture, and intellectual movements in the

French language from the Middle Ages to the contemporary era, and their respective authors, both from France and other countries. These critical studies may be conducted, also from an interdisciplinary perspective, using methodologies from philological, historical-cultural, theoretical, genetic, rhetorical, stylistic, and intermedial research. The research will pay particular attention to the

critical analysis of original texts and works dedicated to them, with in-depth study of thematic and formal aspects, the hermeneutic process of translation, also through theories, history, and forms of reception of or in French literary works. Finally, it will address issues related to the teaching of literature and the relationship between literary historiography and society, as well as the evolving cultural practices within it

Scientific productivity

At least 2 papers published in A-Class journals or a monography relevant to the SSD

Head office

Department of **Philology, Literature and Linguistics**

Specific teaching activity of the contract

FRAN-01/A French Literature courses in BA and MPhil courses.

Candidates may present a maximum number of **12** scientific publications

Candidates will be required to demonstrate an adequate knowledge of **French** language

Selection code A3

Department of Computer Science

GSD 01/INFO-01 Informatics

SSD INFO-01/A Informatics

Nr. of positions available: 1

Focus of research

Research topics within the scientific disciplinary sector INFO-01/A as specified by the sector's declaration

Scientific productivity

Advancement of the state of the art in Computer Science with results published at the international level

Head office

Department of Computer Science

Specific teaching activity of the contract

Teaching activities within the scientific-disciplinary sector INFO-01/A as outlined by national regulations and tailored to the educational needs of the degree programs and master's degrees offered by the University

Candidates may present a maximum number of **12** scientific publications.

Candidates will be required to demonstrate an adequate knowledge of **English** language

Selection code A4

Department of Information Engineering

GSD 09/IINF-05 Information Processing Systems

SSD IINF-05/A Information Processing Systems

Nr. of positions available: 1

Focus of research

Research activities related to the Academic Discipline IINF-05/A Information processing systems

Scientific productivity

Publications in qualified international journals; participation in international conferences; technology transfer and public engagement; involvement in national and international research projects

Head office

Department of Information Engineering

Specific teaching activity of the contract

Teaching activity in courses of the Academic Discipline IINF-05/A Information processing systems. Management of the teaching activities and projects

Candidates may present a maximum number of **12** scientific publications

Candidates will be required to demonstrate an adequate knowledge of **English** language

Selection code A5

Department of Information Engineering

GSD 09/IBIO-01 Bioengineering

SSD IBIO-01/A Bioengineering

Nr. of positions available: 1

Focus of research

Research activities pertinent to the thematic areas of the Scientific-Disciplinary Sector SSD IBIO-01/A

Scientific productivity

The candidate is expected to make significant advances in topics within the area 09/IBIO-01 documented by high quality peer-reviewed publications and participation in national and international research projects

Head office

Department of Information Engineering

Specific teaching activity of the contract

Courses within the Bioengineering discipline IBIO-01/A

Candidates may present a maximum number of **12** scientific publications

Candidates will be required to demonstrate an adequate knowledge of **English** language

Selection code A6

Department of Translational Research and of New Surgical and Medical Technologies

GSD 12/GIUR-05 Constitutional and Public Law

SSD GIUR-05/A Constitutional and Public Law

Nr. of positions available: 1

Focus of research

The researcher will conduct studies related to the fundamental organization of the legal system, also in their European dimension, as it results from the Constitutional Charter, with specific reference to the dynamics of the normative sources and to the formation, composition, powers and interactions of the constitutional bodies, to the constitutional history, and those related to the public law tradition. The researcher will also conduct studies related to parliamentary law, constitutional justice, the organization of territorial autonomies, as well as to the fundamental principles that govern the duties, social rights and individual and collective rights of freedom, in their evolution also in reference to the technological transition, with particular attention to the relationships with public administrations and to the protections provided by the judicial system

Scientific productivity

Production of a monographic work and essays or contributions in refereed journals/collective works relating to the research areas

Head office

Department of Translational Research and of New Surgical and Medical Technologies

Specific teaching activity of the contract

Teaching activity provided within the teachings, specific to the SSD, and present in the degree courses activated in the medical area. The teaching methodology will use not only the tools of the theoretical and dogmatic approach, but also those more strictly and directly related to experience (such as seminars, laboratories, etc.), introducing into the learning sphere of the students the solution of specific application problems and the consideration of concrete cases, in the restitution completed in doctrine and in jurisprudence. The students' writing ability in legal language will be taken care of, in learning centers specifically dedicated to this

Candidates may present a maximum number of **15** scientific publications.

Candidates will be required to demonstrate an adequate knowledge of **English** language

Selection code A7

Department of Agricultural, Food and Agro-Environmental Sciences

GSD 07/AGRI-04 Agricultural, Forest And Biosystems Engineering

SDD AGRI-04/A Agricultural Hydraulics and Watershed Protection

Nr. of positions available: 1

Focus of research

The research activities will focus on topics within the AGRI-04/A sector, particularly hydraulics, agricultural hydrology, and water resource management in agriculture and urban green environments. The primary objective will study the water use efficiency and productivity across different spatial scales, integrating advanced Water Accounting methodologies for a systemic assessment of the status and trends of agricultural water supply, as well as the distribution and accessibility of water within rural areas.

In this context, the research will focus on the development and application of advanced digital systems for the monitoring and expert management of farm water resources and small basins.

A key element of these systems will be the development and application of energy and mass balance models to improve the understanding and management of water flows in complex agricultural systems, such as agroforestry. The integration of these models with advanced sensors will enable a more precise quantification of water use efficiency and productivity across different spatial and temporal scales. Further research areas will include:

- calibration and validation of sensor-model integrated systems for smart and optimized farm irrigation management.
- development of high-throughput screening (HTS) systems for large-scale modelling of crop responses to water and salt stress.

This research activity aligns with a framework of technological innovation and sustainability, aiming to improve water resource management in agriculture through the adoption of digital tools and advanced analytical and predictive methodologies

Scientific productivity

Scientific productivity will be aimed at achieving high-impact results, with publications in ISI and Scopus-indexed scientific journals relevant to the AGRI-04/A sector. The researcher will also be expected to actively contribute to the dissemination of research findings through participation in national and international scientific conferences, as well as by publishing contributions in conference proceedings and book chapters of international relevance. Regarding project development, the researcher will be required to participate in and coordinate research and/or technology transfer projects at the national and international levels, contributing to the drafting and submission of project proposals for competitive calls (e.g., PRIN, PNRR, Horizon Europe, LIFE, INTERREG, etc.), develop collaborations with research institutions, universities, and enterprises to promote innovation and the application of scientific findings in the field of water resource management and contribute to the establishment of interdisciplinary research networks and promote open science and open data initiatives, fostering the sharing of results and enhancing their impact on both the scientific community and the productive sector.

In the context of continuous professional development, the researcher will be encouraged to enhance advanced skills in innovative methodologies and digital tools for the analysis and management of water resources in agriculture, also through training activities and research exchanges with leading institutions

Head office

Department of Agricultural, Food and Agro-Environmental Sciences

Specific teaching activity of the contract

Regarding the teaching activities, supplementary teaching and student services will concern the scientific sector AGR/08, and specifically, the courses activated in the degrees of 'Agricultural Sciences' and 'Viticulture and Enology' and the MSc degrees in 'Agrifood production and agroecosystem management' and 'Urban green areas and landscape planning and management'. Among them, as a not exhaustive example, there are Agricultural hydraulics and hydrology; Agricultural hydraulics and hydrology for viticulture; Laboratory of sensors and modeling for agro-hydrological monitoring; Monitoring and management of water resource; Monitoring and management of water resource in urban green environments.

The researcher is encouraged to develop innovative lessons that combine frontal lectures with laboratory and hands-on activities to actively engage students. Furthermore, the researcher is urged to further their training in inclusive and innovative teaching methods

Candidates may present a maximum number of **12** scientific publications.

Candidates will be required to demonstrate an adequate knowledge of **English** language

Selection code A8

Department of Veterinary Sciences

GSD 05/BIOS-07 Biochemistry

SSD BIOS-07/A Biochemistry

Nr. of positions available: 1

Focus of research

The scientific commitment will be related to the skills of the SSD BIOS-07/A sector with topics related to the study of biological processes at molecular level, of protein properties, enzymes, metabolism, and to the study of the biochemical bases of physiological and pathological states of animals of veterinarian interest also applied to their differentiation and growth, nutrition science as well of applied biochemical aspects to agri-food, veterinary and environment. Biochemical Interactions between organisms and between organisms and environment by a “omics” approach

Scientific productivity

Scientific publications in indexed international journals and presentations at scientific conferences

Head office

Department of Veterinary Sciences

Specific teaching activity of the contract

Teachings relating to the SSD BIOS-07/A or in any case relating to the GSD 05/BIOS-07 in courses in the veterinarian area

Candidates may present a maximum number of **13** scientific publications.

Candidates will be required to demonstrate an adequate knowledge of **English** language