



UNIVERSITÀ DI PISA

Excerpt from the Rector's decree n. 199321/2019

Call for the selection of n. 15 Junior Research Fellows

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

The University of Pisa announces a call for 18 Junior Fixed-Term Research Fellows for the Departments and the scientific areas or sectors 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 programmes, Specialization Schools and PhD programmes. 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

Gross annual salary: € 34.898,06

Deadline for application: **December 30, 2019, 1.00 p.m.**

Admission requirements:

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

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:

http://www.miur.gov.it/documents/20182/0/Equipollenza_Dottorato_ricerca_dpr382.pdf/f5ff98ae-ddff-4166-a822-83ef1b57c7f0

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 what follows:

1. To enjoy the full rights of citizenship in their home State
2. Not to have 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. Not to have been dismissed or dispensed from employment by a Public Administration for

persistent unsatisfactory performance; or not to have been lapsed from State employment, in compliance with art. 127, first paragraph, point d) of the Consolidation Act of provisions concerning the State civil servants approved by Presidential Decree no. 3 of 10 January 1957;

4. to be registered on the electoral roll;

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).
- Candidates who have relationship, kindred or affinity up to and including the fourth degree to any of the related department professors, or to the University's Rector, General Director and Administration Board members.

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.

Please forward to the Rector by within the submission deadline any further variation, by the Italian certified e-mail system address (P.E.C. Posta Elettronica Certificata): protocollo@pec.unipi.it or by e-mail address concorsi_ricercatori@unipi.it, (only PDF documents are allowed, dated and signed ; a candidate's valid ID card copy is required in attach).

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

For any IT malfunctioning please refer to unipi@cinca.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; the curriculum must include all the qualifications applicant considers eligible for this selection
2. The Publications applicant considers eligible for this selection;
3. The corresponding list dated and signed;
4. A complete list of all Publications, dated and signed;
5. 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. All admitted candidates will be summoned by registered post at least twenty days before the interview; the failed attendance to the interview will be considered as a voluntary renunciation.

During the interview, all candidates will be furthermore tested on the foreign language skills requested by the selection.

The candidates living abroad and therefore unable to attend the interview at the University of Pisa, will be allowed to be interviewed via the web or a conference call, prior applicant's identification by approved international universities or research centres and upon the Selection Committee approval.

The Selection Committee is appointed to establish the duly examination of the candidates and shall acquire each candidate's copy of an identity card or passport.

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://www.unipi.it/ateneo/bandi/ricercat/ricercator/index.htm>

(1) If applicable

Selection code A_1

Department of Chemistry and Industrial Chemistry

Admission Examination Sector **03/C2 - INDUSTRIAL AND APPLIED CHEMISTRY**

Disciplinary Scientific Sector **CHIM/04 - INDUSTRIAL CHEMISTRY**

Nr. of position available 1

Focus of research

Topics belonging to the declaration of SSD CHIM/04 with special reference to the development of chemical processes, studying the thermodynamic, kinetic, catalytic and technological aspects related to the synthesis of chemical products of industrial interest also from renewables, to industrial development, to process optimization and involved environmental and safety issues.

Scientific productivity

Scientific publications, participations and presentation to meetings, possible filing of patents.

Head office

Department of Chemistry and Industrial Chemistry

Specific didactic activity of the contract

Frontal lessons and/or laboratory courses of process and environmental industrial chemistry

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

Candidates may present a maximum number of 12

Selection code A_2

Department of Civilisations and Forms of Knowledge

Admission Examination Sector **10/D2 - GREEK LANGUAGE AND LITERATURE**

Disciplinary Scientific Sector **L-FIL-LET/07 - BYZANTINE CIVILIZATION**

Nr. of position available **1**

Focus of research

Studies on the Byzantine history and Empire, according to different methodologies (historiographic, documentary, philological and literary).

Scientific productivity

Scientific articles and/or monographs; participation in national and international conferences.

Head office

Department of Civilisations and Forms of KnowledgeHead office

Specific didactic activity of the contract

Scientific articles and/or monographs; participation in national and international conferences.

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

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

Selection code A_3

Department of Civilisations and Forms of Knowledge

Admission Examination Sector 11/C1 - THEORETICAL PHILOSOPHY

Disciplinary Scientific Sector M-FIL/01 - THEORETICAL PHILOSOPHY

Nr. of position available 1

Focus of research

Theoretical Philosophy is interested in the scientific and educational activities regarding the several reasons of philosophical investigation in its relation to other disciplines and cultural experiences, and to our tradition. Theoretical philosophy takes into account the variety of philosophical experience and is in constant interaction with different forms of knowledge, with the aim of a critical in-depth analysis of philosophy, communication, hermeneutics and religion beyond the limits of specialization.

Scientific productivity

publication of the results of research in national and international journals; participation in scientific conferences

Head office

Department of Civilisations and Forms of Knowledge Head office

Specific didactic activity of the contract

Teaching in classes under the heading 'Theoretical Philosophy', such as Philosophical Hermeneutics, Phenomenology and Hermeneutics (in inglese)

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

Candidates may present a maximum number of 15

Selection code A_4

Department of Economics and Management

Admission Examination Sector **13/B2 - MANAGEMENT**

Disciplinary Scientific Sector **SECS-P/08 - MANAGEMENT**

Nr. of position available **1**

The scope of the research will concern the topics contained in the declaration of the SSD SECS P/ 08 with reference to the management and the direction of the companies producing goods and services, with reference both to the business system in its unity and to all its functional areas. Particular emphasis is given to the field of business and management decisions and the relationship between the business system and the competitive system. The study the institutional, development and restructuring aspects of management is of relevance, which should refer to companies of different size classes, from the global enterprise to micro-entrepreneurship. The sector includes, among others, economy and innovation management, business strategies, international trade and technology, marketing and communication, production and logistics, investment and financing management techniques, management consulting, as well as sector management cooperative and management of non-profit organizations. Of particular interest for this position is the topic of global enterprises and their multinational strategies.

Scientific productivity

International publications in highly ranked journals. Other publications at national and international level.

Head office

Department of Economics and Management

Specific didactic activity of the contract

Teaching courses in the field of SSD SECS P/08. The successful candidate may be assigned courses in English or Italian, which are part of the existing degree courses at the Department of Economics and Management.

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

Candidates may present a maximum number of 12

Selection code A_5

Department of Philology, Literature and Linguistics

Admission Examination Sector 10/F4 LITERARY CRITICISM AND COMPARATIVE LITERATURE

Disciplinary Scientific Sector L-FIL-LET/14 LITERARY CRITICISM AND COMPARATIVE LITERATURE

Nr. of position available 1

Focus of research

The successful candidate's research activities will cover the following areas: the theory and hermeneutics of literature, its genres, production and diffusion, as well as the history and theory of literary criticism; s/he will also be professionally able to compare texts belonging to different literary cultures, and will be competent on the topic of literary translation.

Scientific productivity

Aims and Objectives and envisaged research output: publications in peer-reviewed journals at international level; publications in conference proceedings

Head office

Department of Philology, Literature and Linguistics

Specific didactic activity of the contract

BA and MPhil degree courses; participation in the doctoral seminars active in the Department.

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

Candidates may present a maximum number of 12

Selection code A_6

Department of Law

Admission Examination Sector **12/B2 - LABOUR LAW**

Disciplinary Scientific **IUS/07 - LABOUR LAW**

Nr. of position available **1**

Focus of research

The discipline of individual and collective labour relations, trade union law and industrial relations, social security law, with special regard to workers' protection in case of firm circulation.

Scientific productivity

Production of a monographic volume or essays and contributions on peer reviewed journals and collective volumes concerning the research field

Head office

Department of Law

Specific didactic activity of the contract

It's programmed a 350 hours duty of classes for each academic year in curricular teachings, integrative teachings and assistance for the students related to the SSD IUS/07. The Junior Research Fellow is required to perform lectures for 60 hours per academic year, with a 10% variability, in curricular teachings related to SSD IUS/07.

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

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

Selection code A_7

Department of Computer Science

Admission Examination Sector 01/B1 - INFORMATICS

Disciplinary Scientific Sector **INF/01 - INFORMATICS**

Nr. of position available **1**

Focus of research

Research activities in the fields of the academic discipline INF/01 “Informatics”

Scientific productivity

Contributions to the progress of the state of art in Computer Science by means of international level publications

Head office

Department of Computer Science

Specific didactic activity of the contract

The duties of the role include delivering teaching to all levels of students (undergraduate and graduate) of the academic discipline INF/01 - Informatics

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

Candidates may present a maximum number of 12

Selection code A_8

Department of Civil and Industrial Engineering

Admission Examination Sector **09/A1 - AERONAUTICAL AND AEROSPACE ENGINEERING AND NAVAL**

ARCHITECTURE

Disciplinary Scientific Sector **ING-IND/03 - FLIGHT MECHANICS**

Nr. of position available **1**

Focus of research

The research activity involves typical themes of Flight Mechanics, with special reference to the preliminary design, flight performance and trajectory of space vehicles. The analysis and test methods will be mainly performed through modeling and simulation.

Scientific productivity

The scientific activity is devoted to writing scientific papers on international peer-reviewed journals, to presenting its main results at national and international conferences, to participating to national and international research programs in cooperation with national or international universities/agencies and private companies. The focus is on spacecraft trajectories of vehicles driven by low-thrust and propellantless propulsion systems.

Head office

Department of Computer Science

Specific didactic activity of the contract

Didactic and servicing activity in the scientific area ING-IND/03 within the Aerospace Engineering MS course and within the PhD course of Industrial Engineering.

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

Candidates may present a maximum number of 12

Selection code A_9

Department of Energy, Systems, Territory, and Construction Engineering

Admission Examination Sector **09/B3 - BUSINESS AND MANAGEMENT ENGINEERING**

Disciplinary Scientific Sector **ING-IND/35 - BUSINESS AND MANAGEMENT ENGINEERING**

Nr. of position available **1**

Focus of research

The domain of research includes issues of design of management processes, of organizations, of management systems and business operations (manufacturing, logistics, marketing, quality), economics and management of innovation, productivity analysis, management of Information and Communication Technologies (ICT), relationship with the market.

In general, the research domains is defined with respect to the topics included in the official description of the scientific sector ("Settore scientifico disciplinare", SSD) Management Engineering.

Scientific productivity

The scientific activity will result in participation to national and international research projects, publication of articles in international and indexed journals, presentation of paper to national and international scientific conferences. Scientific production must be consistent with the reference to the SSD ING-IND 35.

Head office

Department of Energy, Systems, Territory, and Construction Engineering

Specific didactic activity of the contract

Teaching activity will take place within the courses provided by teachers in the ING-IND 35 sector. It will consist in lectures and classroom support activities with students, depending on the official planning of courses. Supervision of undergraduate and PhD dissertations. The total amount of time devoted to overall teaching activities is regulated by the University of Pisa.

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

Candidates may present a maximum number of 12

Selection code A_10

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Department of Mathematics

Admission Examination Sector **01/A5 - NUMERICAL ANALYSIS**

Disciplinary Scientific Sector **MAT/08 - NUMERICAL ANALYSIS**

Nr. of position available 1

Focus of research

Study, from both a theoretical and an applied viewpoint, of Numerical analysis and of the techniques employed to perform numerical and graphical calculations, even by means of electronic computers, including vectorial and parallel ones, and, more generally, of all the varieties of the computational aspects of mathematics..

Scientific productivity

Writing of papers having an interest in the realm of numerical analysis and suitable for publication in generalist or specialized journals at a national or international level.

Head office

Department of Mathematics

Specific didactic activity of the contract

Teaching of courses having as a topic the basics of mathematics, in any degree program of the university, and of advanced courses of numerical analysis topic in the first degree and master programs in mathematics.

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

Candidates may present a maximum number of 12

Selection code A_11

Department of Mathematics

Admission Examination Sector **01/A4 - MATHEMATICAL PHYSICS**

Disciplinary Scientific Sector **MAT/07 - MATHEMATICAL PHYSICS**

Nr. of position available **1**

Focus of research

Study, from both a theoretical and an applied viewpoint, of Mathematical physics, Rational Mechanics and, more generally, of Dynamical systems, via both analytic and geometric techniques, together with the aspects of concerning mathematical physics of Relativistic theories.

Scientific productivity

Writing of papers having an interest in the realm of mathematical physics and suitable for publication in generalist or specialized journals at a national or international level.

Head office

Department of Mathematics

Specific didactic activity of the contract

Teaching of courses having as a topic the basics of mathematics, in any degree program of the university, and of advanced courses of mathematical physics topic in the first degree and master programs in mathematics.

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

Candidates may present a maximum number of 12

Selection code A_12

Department of Geosciences

Admission Examination Sector **04/A1 - GEOCHEMISTRY, MINERALOGY, PETROLOGY, VOLCANOLOGY, EARTH RESOURCES AND APPLICATIONS**

Disciplinary Scientific Sector **GEO/09 - MINING RESOURCES, MINERALOGIC AND PETROGRAPHIC APPLICATIONS FOR THE ENVIRONMENT AND FOR CULTURAL HERITAGE**

Nr. of position available **1**

Focus of research

Research activities linked to the SSD topics, with special reference to prospecting, modelling, geostatistic/geoeconomic evaluation of ore deposits and thematic mapping.

Scientific productivity

Publication of peer-reviewed papers in international scientific journals.

Head office

Department of Geosciences

Specific didactic activity of the contract

Teaching on SSD topics, with special reference to ore deposits.

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

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

Selection code A_13

Department of Political Sciences

Admission Examination Sector 14/B1 - HISTORY OF
POLITICAL THOUGHT AND INSTITUTIONS

Disciplinary Scientific Sector SPS/02 - HISTORY OF POLITICAL THOUGHT

Nr. of position available 1

Focus of research

The scientific activity has as its object the historical reconstruction and the critical analysis of all those manifestations of human thought which, through a variety of sources and literary sources, but mainly through treatises and essays, in the form of guiding ideas, doctrines, theories, philosophies, programs, languages and ideologies, express reflections of a theoretical and / or practical-propositional nature regarding the phenomena of social life and political power, as well as their founding values.

Scientific productivity

Papers in journals, books

Head office

Department of Political Sciences

Specific didactic activity of the contract

The teaching commitment will be dedicated as a priority to the coverage of courses related to the History of political doctrines present in the degree courses of the Department of Political Science.

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

Candidates may present a maximum number of 12

Selection code A_14

Department of Political Sciences

Admission Examination Sector **12/A1 - PRIVATE LAW**

Disciplinary Scientific Sector **IUS/01 - PRIVATE LAW**

Nr. of position available **1**

Focus of research

The scientific field includes the scientific and teaching activities related to private law as regulated by national, EU, international legal sources and emerging from the social and economic practice. This field also relate to personality rights, family law, property law, tort law, patrimonial and non- patrimonial law, consumer and market law, information technology and bioethics.

Scientific productivity

Papers in legal journals, books

Head office

Department of Political Sciences

Specific didactic activity of the contract

Private law, European Union Private law, Private law addressed to social services matters, Family law.

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

Candidates may present a maximum number of 12

Selection code A_15

Department of Political Sciences

**Admission Examination Sector 14/A1 - POLITICAL
PHILOSOPHY**

SPS/01 - POLITICAL PHILOSOPHY

Nr. of position available 1

Focus of research

The object of scientific activity is the study and reflection on political issues in an eminently theoretical and non-empirical perspective. The research activity is articulated in the philosophical analysis of political thought, in the analysis of political language and political symbolism, in the philosophy of social sciences and in the history of political philosophical speculation.

Scientific productivity

Papers in journals, books

Head office

Department of Political Sciences

Specific didactic activity of the contract

The teaching commitment will be dedicated as a priority to the coverage of courses related to Political Philosophy present in the degree courses of the Department of Political Science.

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

Candidates may present a maximum number of 12