

## **DIREZIONE DEL PERSONALE**

Dirigente:Dott. Ascenzo Farenti

## **UNITA' PROGRAMMAZIONE E RECLUTAMENTO DEL PERSONALE**

Responsabile: Dott.ssa Laura Tangheroni

**Selection procedure for the position of no. 17 researchers with a fixed term contact under article 24, comma 3, lett. a) of the Law 240/2010.**

**Code RIC2017a1**

### **THE CHANCELLOR**

On the basis of the following:

- The Statute of the University of Pisa, issued by a decree from the chancellor on 30 September 1994, no. 196 and subsequent modifications;
- The D.P.R 28 December 2000, No.445;
- The Ministerial Decree on Education, University and Research of 25 May 2011, no. 243, criteria and parameters for preliminary assessment of public procedure selection candidates for contracts under article 24, comma 2, letter c) of the Law December 30 2010, no. 240;
- The Law of 30 December 2010, no. 240, in particular art. 24;
- The University regulations regarding research grants with a fixed term contract under art. 24 of the Law 240/2010, issued with Regional Decree no. 8444 on 29 June 2011 as amended;
- Ministerial Decree 30 October 2015, no. 885, bearing: Determination of Admissions Examination Sectors, re-grouped into macro-sectors;
- The resolution no. 127 of 28 April 2017, by which the Amministration Committee has approved, among other things, the allocation between the Departments and the assignment to the competition areas of positions for full time researchers on a fixed term contract, according to art. 24, paragraph 3, letter. a) of the law no. 240/2010;
- the resolution no. 165 of 26 May 2017, by which the Amministration Committee approved amendments and additions to the aforementioned resolution of 28 April 2017;
- the notes with which the Rector invited the Directors of the departments concerned to complete the schedules with the indication of all the elements useful for the preparation of the tenders;
- the forms sent by the Director of the departments;

### **DECLARES**

#### **Art. 1**

#### **Admissions Examination Procedures**

Under art. 24, comma 3, lett. a) of the Law 240/2010 and University Regulations for the position of researchers on a fixed-term contract under art. 24 of the Law 240/2010, the selection procedure for the position of no. 17 full time researchers on a fixed-term contract (denominated as 'Junior' contract) listed in Annex A.

In the forms, for each selection, are indicated the competition sector, the disciplinary field, the scope and objectives of the research, the place of activity of the activity, the specific didactic activity planned, the foreign language of which will be determined the knowledge, and the maximum number of scientific publications to be evaluated, including the PhD thesis, if presented.

## Art. 2

### Admission requirements for selection

For selection, candidates, including citizens of non-EU countries, are admitted to participate if they are in possession of the following:

- Ph.D. degree or equivalent title obtained in Italy or abroad;
- Qualification certificate in medical specialization for the sectors concerned.

Those who have obtained a degree abroad must declare the recognition of the equivalence of the Italian qualification in accordance with the regulations in force.

In the absence of a measure of equivalence, they must submit a copy of the request for the initiation of the procedure referred to in art. 38 of Legislative Decree No.165/2001. Candidates will be admitted to the selection under condition.

Candidates not admitted for selection are Full or Associated University professors and presently employed research fellows on a permanent contract (even though the latter has lapsed due to retirement)..

Furthermore candidates will not be admitted who have had contracts as salaried researchers and fixed-term research contracts under articles 22 and 24 or the Law 240/2010 at the University of Pisa or other Italian Universities, be they state, non-state or computerized as well as bodies under comma 1 of art. 22 of the Law 240/2010 for a period which, in summation of the duration provided by the contract, placed for public announcement, exceeds comprehensively the 12 years (even though non continuative). With the aims of the duration of the aforesaid contract periods of maternity leave or health problems are not observed under the present norms.

The requirements for admission must be held at the expiry date of the deadline for submitting applications.

## Art. 3

### Applications for admission

Applications for comparative selection, will be produced, on pain of exclusion, within the final date of 30 days starting on the day following the publication of the extract of this notice in the Gazzetta Ufficiale.

The application should be addressed to:

MAGNIFICO RETTORE  
UNIVERSITA' DI PISA  
LUNGARNO PACINOTTI, 43  
56126 PISA  
**Selection code RIC2017a1**

Applications will be accepted if they are sent by registered post with return receipt before the deadline indicated. The stamp of the accepting post office shall be considered proof.

Applications may be presented directly to the "Università Unità Protocollo", Lungarno Pacinotti, 43, Pisa during the following times:

from Monday to Friday: 9:00 am - 1:00 pm

Tuesday and Thursday: 3:00 pm - 5:00 pm

In the application (see attachment B to be filled out) the candidate must declare, under his/her own responsibility, the following:

1. Selection code (Annex A);
2. Personal details, date and place of birth, residency;
3. Admission Examination Sector and the Disciplinary Scientific Sector;
4. The department;
5. An address for receiving communication relating to the present document: address with postal code, telephone number, e-mail address;
6. Insurance number or Italian fiscal code number;
7. Citizenship;

8. The educational qualifications for admission (If the title has been obtained abroad must be enclosed the equivalence measure or copy of the start of the procedure must be enclosed)
9. The enjoyment of civil and political rights in Italy or in the country of origin;
10. To not be in possession of a criminal record or convictions, indicating details of the sentences and criminal procedures pending;
11. Medical fitness necessary for the position;
12. Only for male Italian citizens: position regarding military obligations;
13. To not have been dismissed or retired from a Public Administration Body for persistent insufficient production of work; or to not have been declared decreased by a state employee under art. 127 of the "Testo Unico" of dispositions concerning the statute of civilian employees of the state;
14. To not presently hold the status or not have previously held the status of full professor or associate professor or of a permanent university research fellow;
15. To not have exceeded comprehensively twelve years, (even non-continuously) including the set period of the present contract as a salaried research fellow or fixed-term contract researcher under articles 22 and 24 of the Law 240/2010 at the University of Pisa or at other Italian state or non-state or computational Universities respectively; as well as at bodies referred to under comma 1, of article 22 of the Law 240/2010;
16. To be aware that he/she cannot proceed to the stipulation of the contract if he/she is related by birth or has affinity (up to 4<sup>th</sup> grade) or marriage with a professor belonging to the department or to the structure that proposes the activation of the contract; or with the Chancellor, the General Director or any component member of the University Administration Governing Board.
17. to authorize the University of Pisa to the processing of their personal data as provided by art. 14 of the announcement.

Any lack in the application forms of declarations of which in the preceding points would result in exclusion of the selective process, an exclusion is made, only for foreign citizens, for the missing inclusion of Italian fiscal code.

The candidate's signature below the application form is not subject to authentication.

Any eventual variation of what is declared in the application form must be hastily communicated to the University. The University assumes no responsibility for loss of mail due to any incorrect addressing by candidates including lost or tardy communication of variation; or for any problems relating to the post office or telegram service; or problems due to third parties or any unforeseeable circumstances.

#### Art. 4 Documents to be attached

The following need be attached to the application forms:

- a.) C.V. of scientific and teaching activity of the candidate duly self-certified using attachment C of the present document.
- b.) Qualifications the candidate holds to be valid for the selection process and which will be presented according to art. 5 with the relative list.
- c) publications that the candidate plans to submit by the panel, including the doctoral thesis, with its list;
- d) a list of all publications.

Furthermore a photocopy of Italian fiscal code and a document of identity are required.

Both the C.V.(duly translated in Italian), qualification list and publication list should be dated and signed by the candidate.

In the envelope containing the application and the relative qualifications as well as the publications) the following should be written: "Domanda titoli e pubblicazioni : procedura di selezione per contratto a tempo determinato," and the following must be clearly indicated: selection code, indication of disciplinary scientific sector, the department for which the candidate intends to apply; as well as surname, name and address of the candidate.

Art. 5  
Presentation of qualifications and publications

Qualifications should be issued on plain paper.

The titles can be produced in original, or in a copy declared as conforming to the original by means of a declaration of substitution of the notariety act, pursuant to art. 47 of D.P.R. 28/12/2000, No.445, filling in Annex C.

Candidates can also demonstrate the possession of the above-mentioned titles by means of the form of a substitute declaration of certification referred to in art. 46 of D.P.R. 445/2000, filling in Annex D.

Non E.U. Citizen candidates resident in Italy can use sworn declarations with limit in cases of proving conditions, facts and personal qualities certifiable or attestable from public or private Italian subjects under article 3, comma 2, of the Italian President of the Republic Decree of 28 December 2000, no. 445.

Certificates released by the competent foreign state authorities must be in accordance with the provisions in force in the same state and must also be legalized by the competent Italian consular authorities.

Publications candidates intend to rely on for selection procedure, allowing for the maximum number indicated in the present document, must be presented together with their application and documents according to art. 4.

Candidates may produce the original publications or may make the declaration of substitution of the notarial act aware of the fact that the copies of the publications conform to the original (Annex C).

Works printed abroad must bear the date and place of publications or, alternatively, ISBN or equivalent should be the date.

Except for publications or texts accepted for publication in accordance with current rules, as well as essays included in collective works and articles published in magazines in paper or digital format, excluding internal notes or departmental reports, as well as the dissertation of doctoral or Equivalent titles.

If the maximum number of publications listed in Annex A is exceeded, the Commission will evaluate them according to the order indicated in the list, up to the limit of the established limit.

The Administration reserves the right to carry out appropriate checks on the content of the substitution declarations.

Art. 6  
Exclusion from selection

Exclusion of participation in the procedure due to lack of requirements according to articles 2 and 3 is set out with executive provision and notified to the candidate.

Art. 7  
The Panel and selection procedure

The panel, nominated via a decree by the Chancellor consists of at least three members from the structure prospering the contract.

The panel must conclude its work before four months of the nominal decree. The Chancellor, for proven and exceptional reasons noted by the president of the panel, may postpone the conclusion of the panel's work only one time and for no longer than two months.

In the first sitting the panel establishes the criteria and modality of candidate's assessment according to the parameters set out by the ministerial decree of 25 May 2011, no. 243, as well as marks to be attributed to qualifications and publications.

Selection is carried out by a preliminary evaluation of the candidates with motivated analytic judgment on their qualifications, CV and on their scientific production, including their doctoral theses.

Following preliminary evaluation the comparatively more meritorious candidates, between 10 and 20 percent

of the original number (and no less than 6 in number) are admitted for an interview on the basis of their qualifications and scientific position. All candidates will be admitted for the interview if their total number is equal to or less than 6.

Candidates will be notified via registered post with return receipt 20 days before the interview if they are to attend based on their qualifications and publications. The lack of presence at the interview will be considered an explicit and definitive manifestation of the candidate's voluntary wish to renounce taking part in the selection procedure.

During the interview on the candidates' qualifications and publication there will be an oral examination to assess the candidates' language levels as indicated in this document.

Candidates who are engaged abroad can be electronically interviewed after their identification at foreign universities or internationally recognized research centers. The Commission declares that the interview is correct and obtains a copy of the candidate's identity document.

Following the interview a marking system will be attributed to the qualifications and to each publication presented by the successful candidates. For assessment of qualifications and publications the panel can ask for the aid of referees as established in the first meeting.

When the results of the selection procedure have been concluded, based on a comprehensive point system, the panel will set out a list of scores designating the winner or declaring the absence of any winners.

The panel will carry out a motivated assessment followed by a comparative evaluation, referring to the specific Admission Examination sector and to the profile defined via indication of one or more disciplinary-scientific sectors, C.V. and the following properly documented qualifications of the candidates:

- a.) PhD or equivalent, or , for the interested sectors, a certificate of medical specialization or equivalent awarded in Italy or abroad;
- b.) Any university teaching activity in Italy or abroad;
- c.) Documented training or internship activity or research at established Italian or foreign institutes;
- d.) Documented clinical activity relating to the Admission Examination Sector requesting such competences;
- e.) Experience of project activity as stated in the Admission Examination Sector's requirements.
- f.) Organization, management and coordination of national or international research groups or participation in the above;
- g.) Patent titles as stated in the Admission Examination Sector's requirements.
- h.) Speaker at national or international congresses or conventions;
- i.) National or international prizes or recognition for research;
- j.) European certificate of specialization recognized by international boards as stated in the Admission Examination Sector's requirements;

Assessment of each qualification indicated by comma 1 is effected by considering specifically the significance the latter has in order of quality and quantity of the research activity carried out by the single candidate.

The panel will effect comparative assessment of the publications on the basis of the following criteria:

- a.) Originality, innovation, rigorous methodology and relevance of each scientific publication;
- b.) Congruence of each publication with the Admission Examination Sector for which the selection procedure is effected and with any profile, defined exclusively via indication of one or more disciplinary-scientific sectors, or with interdisciplinary themes correlated to the latter;
- c.) Scientific relevance of editorial collocation of each publication and its circulation within the scientific community;
- d.) Analytic determination, also on the basis of recognized criteria in the referred international scientific community, of individual bearing of the candidate in case of participation in collaboration work;

The panel must also evaluate the consistent complexity of the candidate's scientific production, the intensity and temporal continuity of the same (subject to periods adequately documented of non-voluntary distancing

from the research activity) with particular attention to parenting functions.

In the arena of the Admission Examination Sector wherein international standards are used for assessing publications, the following indicators are used (referring to the candidate deadline dates):

- a.) Total number of citations;
- b.) Average number of citations per publication;
- c.) Total impact factor
- d.) Average impact factor per publication;
- e.) Combination of previous parameters for assessing the impact of the candidate's scientific production (Hirsch index or similar).

#### Art. 8 Validation of the acts

The Chancellor, within thirty days of notification, shall attest with his own decree the formal validity of the acts and the result of the procedure, which will be rendered public via publication on the official University register and on the University web site.

#### Art. 9 Call proposal

The department will communicate the winner within 60 days of validation of the acts.

The deliberation is valid if approved by an absolute majority favourable vote of the full and associate professors afferent to the structure.

Non adoption of the deliberation call, within the deadline under comma 1, will result in the impossibility of the structure invoking this document, to request a new selection procedure for the same sector for a period of one year.

The deliberation containing the call proposal is subject to approval of the Administration Governing Board.

In the case whereby the winner renounces the position before the signing of the contract the department can proceed to a new call taken from the score list of candidates.

#### Art. 10 Work relation

The successful candidate will engage in a working relation with the University of Pisa for a fixed-term contract via the stipulation of a private subordinate contract undersigned by the Chancellor and regulated by the University Regulations for the employment of research post graduates on a fixed-term contract under art. 24 of the Law 240/2010 cited in the introduction of this document and published on the University of Pisa website.

The purpose of the contract is to carry out research activities and teaching activities, integrative teaching and student service.

Disciplinary competence is regulated by art. 10 of the Law 240/2010.

The successful candidate must present, according to the stipulation of the individual contract of work, all the documentation requested under the norms in force for the engagement of a working relation on a fixed-term contract, for research.

The contract is subject to all obligations set out for the remaining work relations stipulated with the University of Pisa.

The regime of incompatibility and the effectation of other positions is regulated by art. 14 of the above cited University Regulations for the employment of research post graduates on a fixed-term contract under art. 24 of the Law 240/2010.

The contracts are conferred in accordance with the Ethical Code of the University. They cannot, in any way, be given to those who are related by birth or have affinity (up to the 4<sup>th</sup> grade) or marriage with a professor belonging to the structure from which the sum is assigned.

The applicant must be in possession of the requirements for gaining admission to the selection process at the termination date of the present application.

#### Art. 11 Postponement of contract

The contract may be postponed for only two years and only once, after a positive evaluation of the teaching and research activities, on the basis of methods, criteria and parameters defined by the Minister.

#### Art. 12 Salary

The salary stipulated in the wording of the contract is equal to 34.898,06 Euro l.d.. including a “thirteenth month” end-of-year bonus, for the entire duration of the contract, corresponding to the expected salary of the post graduate researcher (confirmed as class 0) on a full time contract.

Inflation and career index-linked pay adjustments are not applied to fixed-term post graduate researchers.

#### Art. 13 Return of documentation

At the end of the selection procedure, elapsing 60 days after the publication of the Chancellor’s decree (validating the acts) in the official University Register, the University shall return to those applicants, who specifically so requested, their original documents attached to their application forms unless there be any legal acts binding. The documents must be collected by the applicant within 30 days of the expiry of the stipulated termination date. Beyond this date the University is no longer responsible for the keeping and returning of the above documentation.

#### Art. 14 Protection of personal data

The protection of personal data is subject to the “Protection of personal data” legislative decree of 30 June 2003, no. 196 published in the Gazzetta Ufficiale of 29 July 2003, general series no. 174, ordinary supplement no. 123 L.

Any data provided by applicants will only be used for the purposes of the present announcement.

Such data must be provided for the requisites for participation. If they are not so provided the applicant shall be disqualified.

Applicants enjoy the right of the above cited law, including the right to access any data that regards them, and also have the right to rectify, update, complete or delete any erroneous and incomplete data; or any data collected under terms not conforming with the law.

Art. 15

Person in charge of the proceedings.

In accordance with the article 5 of Law no. 241 of 7 August 1990, the person in charge of the present announcement is Dott.ssa Laura Tangheroni, Teaching and Technical Staff Recruitment Office - University of Pisa - Lungarno Pacinotti 43/44 - Pisa -- fax: 050/2210661 - e-mail: [concorsi@adm.unipi.it](mailto:concorsi@adm.unipi.it)

Art. 16

Publication

This announcement is published in the Official Gazette of this University and at the University site. The same notice is published in the Gazzetta Ufficiale, special IV series "Admission examinations" and on the site of the Ministry of Education, University and Research and the European Union.



**Selection code A\_1**

**Department of Civilisations and Forms of Knowledge**

Admission Examination Sector: **10/A1 Archaeology**

Disciplinary Scientific Sector: **L-ANT/01 Prehistory and Early History**

Nr. of position available: **1**

**Focus of research:**

The Prehistoric and Protohistoric community: archaeological investigation, analyses of material remains (pottery and lithic industry..) and the framework interpretation, use of methodologies aimed at reconstructing the production processes

**Scientific productivity:**

Publication of scientific papers on national and foreign journals, presentation of research results at national and international conferences, contribution in research projects

**Head office:**

Department of Civilisations and Forms of Knowledge

**Specific didactic activity of the contract:**

Classes of Prehistoric Archaeology: frontal lessons and laboratories

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

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

**Selection code A\_2**

**Department of Civilisations and Forms of Knowledge**

Admission Examination Sector: **11/C2 Logic, History and Philosophy of Science**

Disciplinary Scientific Sector: **M-FIL/02 Logic and Philosophy of Science**

Nr. of position available: **1**

**Focus of research:**

Methodology of the human and social sciences, with particular reference to a pragmatist approach to scientific knowledge of society and its connections with social and cultural contexts

**Scientific productivity:**

Participation in national and international conferences. Publications of scientific papers in national and international journals

**Head office:**

Department of Civilisations and Forms of Knowledge

**Specific didactic activity of the contract:**

Courses in Philosophy of Science, Epistemology

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

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

**Selection code A\_3**

**Department of Economics and Management**

Admission Examination Sector: **13/A2 Economic Policy**

Disciplinary Scientific Sector: **SECS-P/02 Economic Policy**

Nr. of position available: **1**

**Focus of research:**

The subjects contained in the Declaration of the SSD SECS-P02, with particular reference to the study of international policies and their coordination, the functions and the role of economic institutions

**Scientific productivity:**

Publications in national and international journals, participation and presentations in congresses and workshops

**Head office:**

Department of Economics and Management

**Specific didactic activity of the contract:**

Teaching courses in the field of Economic policy (SECS P/02) which are offered by 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 scientific publications**

**Selection code A\_4**

**Department of Economics and Management**

Admission Examination Sector: **13/A3 Public Economics**

Disciplinary Scientific Sector: **SECS-P/03 Public Economics**

**Focus of research:**

The subjects contained in the Declaration of the SSD SECS-P03, with particular reference to the macro and micro-economic aspects of public intervention in the economy, through budget policies (fiscal and social security policies); taxation and the study of its incidence

**Scientific productivity:**

Publications in national and international journals, participation and presentations in congresses and workshops

**Head office:**

Department of Economics and Management

**Specific didactic activity of the contract:**

Teaching courses in the field of Public economics (SECS P/03) which are offered by 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 scientific publications**

**Selection code A\_5**

**Department of Economics and Management**

Admission Examination Sector: **13/B1 Business Administration and Accounting Studies**

Disciplinary Scientific Sector: **SECS-P/07 Business Administration and Accounting Studies**

**Focus of research:**

Study of the main organization constituents and of the factors contributing to the long-term economic development of companies considering profit and no-profit organizations including public administrations

**Scientific productivity:**

Publications in national and international journals, participation and presentations in congresses and workshops

**Head office:**

Department of Economics and Management

**Specific didactic activity of the contract:**

Teaching courses in the field of business administration (SECS P/07) which are offered by 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 scientific publications**

**Selection code A\_6**

**Department of Pharmacy**

Admission Examination Sector: **03/D1 Medicinal, Toxicological and Nutritional Chemistry and Applied Technologies**

Disciplinary Scientific Sector: **CHIM/08 Pharmaceutical Chemistry**

Nr. of position available: **1**

**Focus of research:**

The study of synthetic products with biological activity, developing the design, the synthesis, the study of the properties, of the action mechanisms at the molecular level, and the relationships between chemical structure and biological activity

**Scientific productivity:**

Gain full scientific independence, possibly through the supervision of BSc, and MSc theses. Acceptance during the three years period of an appropriate number of papers on international journals coherent with the examination sector. Dissemination of the obtained results in national and international meetings, and on the web

**Head office:**

Department of Pharmacy

**Specific didactic activity of the contract:**

Teaching courses of BSc, and MSc of the Department Pharmacy and other Departments of the University of Pisa in which the SSD (disciplinary scientific sector CHIM/08) skills are requested.

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

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

**Selection code A\_7**

**Department of Philology, Literature and Linguistics**

Admission Examination Sector: **10/L1 English and Anglo-American Languages, Literatures And Cultures**

Disciplinary Scientific Sector: **L-LIN/12 Language and Translation – English**

Nr. of position available: **1**

**Focus of research:**

English linguistics, with special reference to English for specific purposes and multimedia translation

**Scientific productivity:**

Scholarly publications in the above mentioned fields, Conference presentations, participation in national and international research projects

**Head office:**

Department of Philology, Literature and Linguistics

**Specific didactic activity of the contract:**

Courses of English for Special Purposes at BA and MA level

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

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

**Selection code A\_8**

**Department of Law**

Admission Examination Sector: **12/H2 History of Medieval and Modern Law**

Disciplinary Scientific Sector: **IUS/19 History of Medieval and Modern Law**

Nr. of position available: **1**

**Focus of research:**

The origins of the Administrative Law and the influence of legal categories of Roman-Canon *Ius commune*

**Scientific productivity:**

Publication of a monographic study, or papers and essays in peer-reviewed journals on the topic of research

**Head office:**

Department of Law

**Specific didactic activity of the contract:**

Classroom teaching each academic year, integrative teaching and service to students scheduled by the periodic teaching program related to SSD IUS/19

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

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



**Selection code A\_9**

**Department of Civil and Industrial Engineering (DICI)**

Admission Examination Sector: **08/B1 Geotechnics**

Disciplinary Scientific Sector: **ICAR/07 Geotechnics**

Nr. of position available: **1**

**Focus of research:**

Numerical - experimental analysis for the physical-mechanical modeling of soils and the evaluation of the static and dynamic behavior of geotechnical works, such as foundations, excavations and supporting works, surveys and constructions in bulk material, with Particular reference to the embankments

**Scientific productivity:**

Scientific activity involves participation in national and international research projects funded by public or private bodies, the drafting of articles for qualified scientific journals and participation in international conferences

**Head office:**

Department of Civil and Industrial Engineering (DICI)

**Specific didactic activity of the contract:**

Geotechnical course of the three year degree in Civil, Environmental and Construction Engineering, integrative teaching and student support for other ICAR / 07 teaching

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

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

**Selection code A\_10**

**Department of Energy, Systems, Territory, and Construction Engineering**

Admission Examination Sector: **09/C1 Fluid Machinery, Energy Systems and Power Generation**

Disciplinary Scientific Sector: **ING-IND/09 Energy Systems and Power Generation**

Nr. of position available: **1**

**Focus of research:**

Energy conversion systems of different energy forms, with particular reference to the technologies for renewable energy conversion, for cogeneration, and energy storage. The study of systems and machines will be done by using methods based on thermodynamic, fluiddynamic, diagnostic and control, and environmental impact analysis

**Scientific productivity:**

The aim of scientific production is writing scientific papers in international scientific journals, participation at national and international congresses and conferences. Improvement of knowledge about energy systems with the aim of contributing to the technical and engineering development

**Head office:**

Department of Energy, Systems, Territory, and Construction Engineering

**Specific didactic activity of the contract:**

Didactic activities, in the courses and modules classified in the disciplinary sector of Systems for Energy and Environment for the programs of study for the achievement of first and second level degrees and PhD studies. Tutoring activities and to support students in the preparation of their Master and Phd thesis

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

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

**Selection code A\_11**

**Department of Information Engineering**

Admission Examination Sector: **09/H1 Information processing systems**

Disciplinary Scientific Sector: **ING-INF/05 Information processing systems**

Nr. of position available: **1**

**Focus of research:**

Research activities related to the scientific sector "ING-INF/05 – Information processing systems", such as design and analysis of systems and networks, software engineering, knowledge engineering, artificial intelligence and signal processing

**Scientific productivity:**

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

**Head office:**

Department of Energy, Systems, Territory, and Construction Engineering

**Specific didactic activity of the contract:**

Teaching activity in courses of the scientific sector. Management of teaching activities and projects

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

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

**Selection code A\_12**

**Department of Mathematics**

Admission Examination Sector: **01/A2 Geometry and algebra**

Disciplinary Scientific Sector: **MAT/03 Geometry**

Nr. of position available: **1**

**Focus of research:**

Research activity of international interest and relevance on the following topic: properties and classification of geometric structures (topological, differentiable, algebraic, real and complex analytic manifolds), and study of (general, algebraic and differential) topology

**Scientific productivity:**

Writing of papers having a geometric interest 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 (including exercises) having as a topic the basics of mathematics, in any degree program of the university, and in advanced courses of geometric 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 **scientific publications**

### **Selection code A\_13**

#### **Department of Translational Research and of New Surgical and Medical Technologies**

Admission Examination Sector: **05/H1 Human Anatomy**

Disciplinary Scientific Sector: **BIO/16 Human Anatomy**

Nr. of position available: **1**

#### **Focus of research:**

The research activity will be carried out in the context of the scientific-disciplinary sector BIO/16, Human Anatomy. The subject of the research will be carried out by using those methods which typically belong to the Subject Specific Area BIO/16. The research will be focused on the gross and microscopy anatomy including transmission electron microscopy with an emphasis on specific regions of the central nervous system. Variations in gross anatomy of specific brain regions as well as fine microscopic events applying to clinical neuroanatomy will be detailed in relation with physiological conditions and specific brain disorders

#### **Scientific productivity:**

Publishing papers on national and international peer-reviewed journals, data presentation at national and international meetings

#### **Head office:**

Department of Translational Research and of New Surgical and Medical Technologies

#### **Specific didactic activity of the contract:**

Teaching activity for the Subject Specific Area Human Anatomy (BIO/16) will include lecturing human anatomy courses as well as gross anatomy and microscopy labs both at Master and Bachelor level including the teaching course in Medicine. The teaching activity will include tutoring gross anatomy through cadaver dissection and anatomy in vivo through imaging techniques including echography. Supervising activities of undergraduates, graduates and PhD students

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

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

**Selection code A\_14**

**Department of Agricultural, Food and Agro-Environmental Sciences**

Admission Examination Sector: **05/A2 Plant Physiology**

Disciplinary Scientific Sector **BIO/04 Plant Physiology**

Nr. of position available: **1**

**Focus of research:**

The research will focus on the functions and mechanisms of plants with particular attention paid to growth regulators

**Scientific productivity:**

Scientific articles in international journals; participation to national and international congresses; participation to national and international projects

**Head office:**

Department of Agricultural, Food and Agro-Environmental Sciences

**Specific didactic activity of the contract:**

Teaching activities concerning the disciplines related to the SSD BIO/04

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

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

**Selection code A\_15**

**Department of Geosciences**

Admission Examination Sector: **04/A2 Structural Geology, Stratigraphy, Sedimentology and Paleontology**

Disciplinary Scientific Sector: **GEO/02 Stratigraphy and Sedimentology**

Nr. of position available: **1**

**Focus of research:**

The investigation of surface dynamic processes of sediments in marine sedimentary environments and in their dynamics on the Earth's surface, as well as the description of sediments in terms of spatial and temporal organization and association and of their visual representation

**Scientific productivity:**

Publication of high number of scientific papers on international magazines with high impact factors; participation to national and international meetings; seminar and dissemination activity

**Head office:**

Department of Geosciences

**Specific didactic activity of the contract:**

Teaching in class, laboratory and fieldwork activities, assistance to students within the SSD GEO/02 teaching program; seminarial activities within master and PhD programs; assistance to students during thesis works

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

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

**Selection code A\_16**

**Department of Political Sciences**

Admission Examination Sector: **12/D1 Administrative Law**

Disciplinary Scientific Sector: **IUS/09 Public Law**

Nr. of position available: **1**

**Focus of research:**

The state's legal organization, in a diachronic as well as synchronic perspective. Studies will aim to acquire a basic knowledge of the normative sources system, the constitutional and administrative organization of the state and the public bodies, the civil rights and the judicial organization. In particular, regional law and local autonomies

**Scientific productivity:**

Publications at least at a nationally significant level within the field of research; paper presentations at national and/or international conferences

**Head office:**

Department of Political Sciences

**Specific didactic activity of the contract:**

Public law, public accounting law, local autonomies and public services

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

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



**Selection code A\_17**

**Department of Veterinary Sciences**

Admission Examination Sector: **07/H4 Veterinary Clinical Medicine and Veterinary Pharmacology**

Disciplinary Scientific Sector: **VET/08 Veterinary Clinical Medicine**

Nr. of position available: **1**

**Focus of research:**

Veterinary internal medicine focussed on aetiopathogenesis, epidemiology, symptoms, diagnosis and therapy, propaedeutic and clinical methodology of diseases in ruminants and equids

**Scientific productivity:**

Papers in journals with IF and presentations at national and international congresses

**Head office:**

Department of Veterinary Sciences

**Specific didactic activity of the contract:**

The candidate shall carry out theoretical and practical teaching activities for students in these courses:

- Internal Medicine and therapy in large animals and horses (Veterinary Medicine Degree);
- Pathogenesis of diseases in large animals and horse (Veterinary Medicine Degree);
- Veterinary legislation in Animal Husbandry (Animal Production and Technology Degree);
- Seminars on large animal and horse internal medicine in Postgraduate School: Animal Health, Breeding and Livestock)

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

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

Al Magnifico Rettore dell'Università di Pisa  
Lungarno Pacinotti, 44  
56126 PISA

**Selection code RIC2017a1**

The undersigned applicant, born in \_\_\_\_\_ (day, month, year) in \_\_\_\_\_ (town, country) and resident in \_\_\_\_\_ (street number, street) \_\_\_\_\_ (town) \_\_\_\_\_ (postal code).

**REQUESTS**

To be admitted for participation in the selection procedure for the position of n.1 fixed-term -contract postgraduate researcher, under art.24, comma 3, lett. a of the Law 240/2010,

At the Department of \_\_\_\_\_

Sector \_\_\_\_\_

Selection code **A\_\_ (Annex A)**

Aware of his/her responsibility the applicant declares the following:

1. fiscal code, if any (obligatory for Italian citizens and foreigners with residence in Italy)
2. to elect domicile for the effects of this application at \_\_\_\_\_
3. to be in possession of the following citizenship: \_\_\_\_\_
4. to enjoy the political and civil rights of his/her country of origin : \_\_\_\_\_
5. Qualifications:

☐ PhD or equivalent qualification \_\_\_\_\_ / Medical specialization (for the sectors concerned) \_\_\_\_\_ obtained at \_\_\_\_\_ the date \_\_\_\_\_ ;

*declared equivalent to prov. n. \_\_\_\_\_ of the \_\_\_\_\_; having started declared equivalent to prov. n. procedure Request for equivalence (attached copy procedure initiation) on \_\_\_\_\_,*

6. to not be in possession of a criminal record or convictions , indicating details of the sentences and criminal procedures pending.
7. to have the physical fitness necessary for the position
8. only for male Italian citizens: position regarding military obligations.
9. to not have been dismissed or retired from a Public Administration body for persistent insufficient production work; or to not have been declared deceased by a state employee under art.127of the 'Testo Unico' of dispositions concerning the status of civilian state employees.

10. To not presently hold or not have previously held the status of full or associate professor or of permanent university research fellow
11. to not have exceeded comprehensively twelve years ( even non-continuously), including the set period of the present contract in the role of a salaried researcher or fixed-term contract researcher under articles 22 and 24 of the Law 240/2010 at the University of Pisa or at any other Italian state or non-state or computational university respectively; as well as at bodies referred to under comma 1, of article 22 of the Law 240/2010
12. To be aware that he/she cannot proceed to the stipulation of the contract if he/she is related by birth or has affinity (up to 4<sup>th</sup> grade) or marriage with a professor belonging to the department or to the structure that proposes the activation of the contract; or with the Chancellor, the General Director or any component member of the University Administration Governing Board.
13. To authorise the University of Pisa with processing of personal data under art.13 of the assessment procedure notice.

I, the undersigned attach the following to the application forms:

- 1) C.V. of scientific and teaching activity , dated and signed and duly translated in Italian

numbered list of dated and signed qualifications presented  
numbered list of dated and signed publications presented  
a photocopy of fiscal code and identity document  
qualifications and publications

The undersigned declares he/she understands that false declarations are punishable in accordance with the penal code and related laws.

The undersigned agrees to inform the university administration of any subsequent variations and acknowledges that the administration is not liable for loss of any communications due to any incorrect addressing by candidates; or due to late changes of address from those indicated in the application. Nor is the administration liable for post office or telegraph problems, problems due to third parties or any unforeseeable circumstances.

Date\_\_\_\_\_

Signature\_\_\_\_\_

(not to be authenticated ex art. D.P.R 445/2000)

**Annex C**

**SUBSTITUTE DECLARATION OF CERTIFICATION**

*Art. 46 of DPR 445 of 28/12/2000*

I, the undersigned \_\_\_\_\_, born in \_\_\_\_\_ province of  
\_\_\_\_\_ on the \_\_\_\_\_ resident in  
\_\_\_\_\_ province of \_\_\_\_\_ street/square  
\_\_\_\_\_ no. \_\_\_\_\_

Acknowledging the penal responsibility set out in Arts. 75 and 76 of the DPR 445/2000 regarding the hypothesis of falsehood in records and false declarations,

**DECLARE**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Date \_\_\_\_\_

The Applicant \_\_\_\_\_

**No validation of signature required. No stamp duty required.**

**Annex D**

**SUBSTITUTE DECLARATION OF NOTARY ACT**

Article 19 and 47 of the DPR dated 28/12/2000

I, the undersigned \_\_\_\_\_, born in \_\_\_\_\_ province of  
\_\_\_\_\_ on the \_\_\_\_\_ resident in  
\_\_\_\_\_ province of \_\_\_\_\_ street/square  
\_\_\_\_\_ no. \_\_\_\_\_

Acknowledging the penal responsibility set out in Arts. 75 and 76 of the DPR 445/2000 regarding the hypothesis of falsehood in records and false declarations,

DECLARE

(as exemplified: that all the information contained in my CV presented is true. Or : that the copies of my qualifications or publications presented conform to the originals)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Date \_\_\_\_\_

The Applicant \_\_\_\_\_

**No validation of signature required. No stamp duty required.**