

## Call for the selection of n. 3 Junior Research Fellows

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

The University of Pisa announces a call for 3 Junior Fixed-Term Research Fellow for the Department and the scientific area or sector as listed in Annex A.

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

The Junior Research Fellow is required to perform lectures for a minimum of 36 up to a maximum of 60 hours per academic year, allocated as an institutional assignment for Bachelor's and Master's degree 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: € 36.344,04

Deadline for application: 16/7/2021 1 p.m.

### Admission requirements:

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

medical specialization, for the sectors concerned

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

D.Lgs.165/2001, article 38:

[http://www.funzionepubblica.gov.it/sites/funzionepubblica.gov.it/files/modulo\\_equivalenza\\_Titoli\\_Accademici.pdf](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](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.

No admission to this selection for:

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

### Applications:

Applications are to be submitted online only, using the following link: <https://pica.cineca.it/unipi/> or 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](mailto:protocollo@pec.unipi.it) or via e-mail at: [concorsi@adm.unipi.it](mailto: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](mailto:concorsi@adm.unipi.it)

For any IT malfunctioning please refer to [unipi@cineca.it](mailto:unipi@cineca.it).

Applications shall be completed with the following annexes:

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

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

Selection procedure:

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

The selection will be made according to a preliminary assessment of the candidates with an accurate and evidenced analytic evaluation of the Curriculum, of qualifications and scientific results, including PhD thesis. After the preliminary assessment, the candidates that have comparatively proven to be the most meritorious, will be admitted to an open interview; they will represent between 10 and 20 % of the total and will be not less than six. The interview will concern applicant's qualifications and scientific results. In the event the number of applicants is six or less, all candidates are admitted. 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.

In compliance with the provisions adopted following the COVID-19 epidemiological emergency, interviews will take place on virtual mode to ensure the simultaneous connection between the members of the Commission and the candidates, under the regulations on the protection of personal data for confidentiality conservation.

During the interview it will be forbidden the audio / video recording through the IT platforms used as well as the broadcasting of the audio / video recording made with tools other than the platform.

The interview disclosure will be guaranteed inviting all candidates and any third part who has requested, with a link to the event; the link will be published at <https://www.unipi.it/index.php/concorsi-gare-e-bandi> in the section "Prove e colloqui in modalità telematica - Aule virtuali" and will allow the connection to the telematic session.

"The list of candidates admitted to the interview will be published on the university website at <https://www.unipi.it/index.php/concorsi-gare-e-bandi> in the section dedicated to the procedure in this call "

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

Annex A.

## Codice selezione A1

Department of Physics

Admission Examination 02/D1 - APPLIED PHYSICS, PHYSICS TEACHING AND HISTORY OF PHYSICS

Disciplinary Scientific Sector FIS/07 – APPLIED PHYSICS

Nr. of position available: 1

Focus of research:

Research activities in the fields of the academic discipline 02/D1, SSD FIS/07 “Applied Physics”, with particular regard to the study and development of physical methods for the description and rationalization of living matter in the environmental, biological, and medical framework, and for the development and use of instrumentation for control and detection of physical phenomena in the context of prevention, diagnosis and treatment, research in the field of environmental modelling, biophysics, physical techniques for biomedical diagnostics, as well as radiation protection of people, environment and objects. (in inglese)

Scientific productivity:

Contributions beyond the state of art of the research in the field. Gaining of scientific independence, possibly including the supervision of BSc, and MSc theses. Research papers in peer-reviewed, international journals. Dissemination of the results of the performed research in national and international conferences. (in inglese)

Head office:

Department of Physics

Specific didactic activity of the contract

Courses on basic physics and specialist courses in applied physics (in inglese)

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

Candidates may present a maximum number of 12 scientific publications

In the application, candidates should attach a summary of their previous research (in inglese)

## Codice selezione A2

Department of Mathematics  
Admission Examination 01/A4 - MATHEMATICAL PHYSICS  
Disciplinary Scientific Sector MAT/07 - MATHEMATICAL PHYSICS

### Focus of research:

Performance of research of international interest and relevance having as a topic the study, from both a theoretical and an applied viewpoint, of mathematical physics, rational mechanics and dynamical systems, using both analytic and geometric techniques, together with the aspects relevant to mathematical physics of relativistic theories.

### Scientific productivity:

Publishing papers of interest in the realm of mathematical physics in generalist or specialized journals at a national or international level. Seminars in Universities, Research Institutes and international or national Conferences.

### 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, master and PhD 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

### **Codice selezione A3**

Department of Geosciences

Admission Examination 04/A1 – GEOCHEMISTRY, MINERALOGY, PETROLOGY, VOLCANOLOGY,  
EARTH RESOURCES AND APPLICATIONS

Focus of research:

The candidate will be asked to focus his/her research activity on the general subject of georesources, with special attention to: exploration geology, modelling, geostatistic and geoeconomic evaluation of mineral resources, thematic mapping, characterization of geomaterials of industrial interest, environmental impact of mining and related activity of risk prevention and restoration.

Scientific productivity:

Publication of scientific papers in high-rank international scientific journals. Participation to national and international meetings. Outreach activities.

Head office:

Department of Geosciences

Specific didactic activity of the contract

The teaching activity will focus on mining geology, georesources, environmental geochemistry at the undergraduate and graduate level. Teaching assistance to students will also be requested

Maximum number of papers to be submitted, including PhD thesis: 12

The interview will ascertain the knowledge of English as foreign language.