



UNIVERSITÀ
DI PISA



Ministero
dell'Università
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UNIVERSITÀ
DI PISA

PhD PROGRAMME IN CHEMICAL AND MATERIALS SCIENCES
ACADEMIC YEAR 2026/2027 (42ND CYCLE)

Coordinator professor Francesca Modugno

Administrative headquarters: Department of Chemistry and Industrial Chemistry
(<https://www.dcci.unipi.it/>)

SELECTION PROCEDURES

Total no. of positions with grant 6

SC_CHIM01_B	Type of selection procedure Single ranking list		
	No. of available positions with grant 2 of which		
	No.	Funding organisation / Partner institution	Subject / Research project (if any)
	Positions with grant		
	2	University of Pisa	
SC_CHIM02_B	Type of selection procedure Subject-specific PhD grants with separate ranking lists: no. 4 of ranking lists		
	No. of available positions with grant 4 of which		
	No.	Funding organisation / Partner institution	Subject / Research project (if any)
	Positions with grant		
	1	University of Pisa Department of Chemistry and Industrial Chemistry of the University of Pisa, prof. Zinna Francesco, “Structural Control of Supramolecular Chiral Organic Materials with Multispectroscopic and Computational Tools SuperChiM, cod. FIS-2023-00687 settore PE4, tipologia “Starting Grant” – CUP I53C2400314001 Progetto U-GOV: 419999_2025_ZINNA_FIS2_SUPERCHIM	Design, preparation and multispectroscopic investigation of supramolecular chiral organic materials
	1	University of Pisa Department of Chemistry and Industrial Chemistry of the University of Pisa, Prof. Marco Carlotti, “New Materials and Methods for the Fabrication of Organic Electronic Components on Complex Substrates” - FIS-2024-03239 -	Preparation of organic semiconductors suitable for the fabrication of organic electronic components via 3D microlithography

		MATRIX- CUP I53C25002140001 Progetto - U-GOV: U-GOV 419999_2025_CARLOTTI_FIS3_MATRIX	
	1	Department of Chemistry and Industrial Chemistry of the University of Pisa project New Materials and Methods for the Fabrication of Organic Electronic Components on Complex Substrates” - FIS-2024-03239 - MATRIX- CUP: I53C25002140001 - Progetto - U-GOV: U-GOV 419999_2025_CARLOTTI_FIS3_MATRIX	Development of novel methodologies for the fabrication of 3D conformal micro electrode arrays and functional devices
	1	Institute for Photonics and Nanotechnologies – CNR IFN project <i>Capturing and cONtrolling conical intErsections in Real Time</i> ” <i>CONCERT</i> , cod. 101224087 <i>HORIZON-ERC-SYG</i> , <i>ERC-SYG-2025</i>	Quantum dynamical simulations for coherent laser control of photochemical reactions
With regard to the grant funded by IFN CNR, the successful candidate will be required to sign a separate confidentiality agreement with the funding body in order to protect any information made available by the funding body, whether confidential or not, for the purposes of carrying out the research project. If the successful candidate awarded the IFN CNR-funded grant declines to sign the confidentiality agreement, they will not be eligible to enrol in the doctoral programme. NB: For the above-mentioned selection procedures, candidates who, on the closing date of the Call for applications, are employed under a subordinate employment contract with a public body, for a duration at least equal to that of the PhD programme, may choose whether to: 1. <u>participate in the selection as a public employee, thereby automatically waiving the doctoral grant;</u> 2. <u>participate in the selection for a position with grant, without declaring their status as a public employee at the application stage.</u> Applicants who are public employees, in the case referred to under point 1, must declare their status during the above-mentioned online application procedure by selecting the corresponding option in the dedicated field available on the “Alice” platform https://www.studenti.unipi.it. Such candidates must also submit a self-declaration certifying their employment with the relevant public body, in accordance with Annex 1 to the Call for applications. Any applicant who, when submitting the online application, declares that they wish to participate as a public employee shall automatically waive the grant, and the provisions governing the ranking list set out in Article 5 of the Call shall apply. This choice is irrevocable and <u>may not be changed at a later stage.</u>			

The information below applies to all the selection procedures indicated above

ADMISSION REQUIREMENTS (*Article 3 of the Call for applications*)

Master’s Degree (LM) /Second Degree (Specialistica-LS) (or Old system University Degree): **ALL**

or
equivalent academic qualification in accordance with *Ministerial Decree of 9 July 2009* **to be obtained by 31 October 2026.**
In the event that the degree has not yet been awarded by the deadline of the Call for applications, the candidate must attach a list of the examinations taken, including the corresponding marks.

Important: In this regard, during the online application procedure for the selection, the candidate must attach a self-declaration concerning the degree already obtained, or to be obtained, drawn up in accordance with Presidential Decree no. 445/2000, as per Annex 2 to the Call for applications.

SELECTION METHODS AND CRITERIA (*Article 4 of the Call for applications*)

Curriculum vitae

The CV, duly signed and accompanied by a photocopy of a valid identity document, must be uploaded exclusively during the online application procedure for the selection, and must outline the candidate’s educational background, as well as their professional and research experience. **Candidates are advised to submit any documentation deemed useful for the purposes of assessing the CV**, in particular: a list of exams taken during the candidate's university career, including the corresponding grades and the degree grade obtained in the Bachelor’s degree and in the Master's degree (for those who have obtained a master's degree).

Written test

Only for the selection **SC_CHIM01_B**

The written test may only be taken in person at the Department Chemistry and Industrial Chemistry of the University of Pisa

The test is intended to assess the candidate's academic background and fundamental knowledge of Chemistry and material science.

The test may be taken, at the candidate's choice, in either Italian or English.

Interview

The interview shall assess the candidate's knowledge, aptitude for research, willingness to undertake training pathways in Italy and abroad, and interest in further scientific study.

During the interview, candidates will present and discuss the research proposal submitted with their application.

Candidates' proficiency in English will also be assessed during the interview, part of which will be conducted in English. At the candidate's request, the entire interview may be conducted in English.

Videoconferencing **YES**

Candidates wishing to take the interview by videoconference must upload the VIDEO Annex to the Call for applications **exclusively during the online application procedure for the selection**. Requests received after the deadline of the Call for applications (**10 August 2026**) shall be submitted to the Selection Committee, which will assess whether to accept them in light of the technical time required to organise the interview by videoconference.

Research Project:

to be presented at the interview

The research project must be uploaded **during the online application procedure for registration**.

The research project, assessed together with the CV, is intended to highlight the candidate's ability to design a research proposal and to verify the consistency of its content with the PhD programme themes.

The research project, which will be discussed during the interview, must be presented by the candidate in order to demonstrate its feasibility and sustainability.

The research proposal must not exceed two A4 pages, excluding references, and must be formatted using a font size of at least 11 points and line spacing of at least 1.5.

The project submitted for the purposes of the selection does not constitute a constraint on future research activity.

Selection **SC_CHIM01_B**

	Minimum score	Maximum score
CV	30	50
Candidates who have obtained a score of at least 30 out of 50 points shall be admitted to the written test.		
Written test	12	20
Candidates who have obtained a score of at least 12 out of 20 points shall be admitted to the interview.		
Interview	20	30
Eligibility is achieved with a minimum score of 62 out of 100 points		

Selection **SC_CHIM02_B**

	Minimum score	Maximum score
CV	30	50
Candidates who have obtained a score of at least 30 out of 50 points shall be admitted to the interview.		
Interview	30	50
Eligibility is achieved with a minimum score of 60 out of 100 points		

SCHEDULE OF THE TESTS

The tests may take place in the period **between 14 and 30 September 2026**.

The schedule of the tests, for each of the selections below, will be published **by 24 July 2026** at <https://www.unipi.it/bando-dottorato>, including the indication of the venue where they will be held.

RANKING LIST AND ENROLMENT

Article 5 of the Call for applications sets out:

- the procedures for drawing up the ranking list
- the date of publication of the ranking list
- the procedures and deadlines for enrolment
- the procedures and deadlines for subsequent admissions from the ranking list.

Important: Subsequent admissions from the ranking lists, after 6 October and until 31 December 2026, are permitted only for “open” grants (i.e. those without a specific research topic), namely: **SC_CHIM01_B**.

In the other selection procedures, as they involve subject-based grants, any unassigned positions at the end of the third round of admissions from the ranking list will be made available by means of a specific notice, to be issued by Rector’s Decree in November. Such notice will be reserved for eligible candidates suitably placed in the ranking lists of the selection procedures already completed and will be published at <https://www.unipi.it/didattica/corsi/dottorati/>.

With regard to the publication of the notice and the procedures for the reallocation of the grants, **no individual email communication will be sent to eligible candidates**, as all relevant information will be provided upon publication of the ranking lists.

INFORMATION ON THE TEACHING ACTIVITIES OF THE PROGRAMME

Educational project and objectives of the programme:

<https://www.unipi.it/en/education/courses/phd-programmes/physical-chemical-mathematical-and-biological-sciences/chemical-and-materials-sciences/>

PhD programme website:

<https://dscm.dcci.unipi.it/home-en.html>

PhD programme regulations:

<https://www.unipi.it/wp-content/uploads/scienzechimiche.pdf>