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Italiadomani  
PILLOLE NAZIONALI DI PROSPETTIVA E RESILIENZA



UNIVERSITÀ  
degli STUDI  
di CATANIA



## Ph.D. Course Information Sheet 40<sup>th</sup> cycle - A.Y. 2024/2025

NAME OF THE PH.D. COURSE	<b>BIOTECHNOLOGIES</b>
DURATION	3 years
START DATE	October 1 <sup>st</sup> , 2024
LANGUAGES	Italian, English
COORDINATOR	Prof. Vito Nicola De Pinto
PLACES IN THE PH.D. COURSE	11
SELECTION PROCEDURE	Evaluation of qualifications and research project, oral examination

### Places and scholarships

Number of Scholarships	Financial support	Research topic associated to the scholarship (if any)
3	Funds of the University of Catania	
1	University NRRP Project Anthem – Spoke 4 <sup>(1)</sup>	Intercellular communication and mediators involved in the response to variations in oxygen levels
1	NRRP – Ministerial Decree n. 629/2024, Investment 4.1 – NRRP Research	
1	NRRP – Ministerial Decree n. 630/2024, Investment 3.3 in collaboration with Azienda Agricola Maira	Esplorazione e valorizzazione di “prodotti e sottoprodotti” di un’azienda agricola biologica per le loro potenziali applicazioni in campo alimentare e biomedico <i>Exploration and valorization of "products and by-products" of an organic farm for their potential applications in the food and biomedical fields</i>
1	NRRP – Ministerial Decree n. 630/2024, Investment 3.3 in collaboration with Corfilac	Approcci biotecnologici per il miglioramento della sicurezza microbiologica di formaggi freschi tradizionali <i>Biotechnological approaches for improving the</i>

<sup>1</sup> NRRP= National Recovery and Resiliency Plan



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		<i>microbiological safety of traditional fresh cheeses</i>
1	NRRP – Ministerial Decree n. 630/2024, Investment 3.3 in collaboration with Enbiotech	SEed Microbiome aNalysis e sviluppo di un sistema analitico portatile per il rilevamento di patogeni vegetali nelle sementi. <i>SEed Microbiome aNalysis and development of a portable analytical system for the detection of plant pathogens in seeds.</i>
1	NRRP – Ministerial Decree n. 630/2024, Investment 3.3 in collaboration with Società Agricola Valli di Marca Srl	Valorizzazione delle caratteristiche nutraceutiche per i prodotti ortofrutticoli mediante crio essiccazione. <i>Enhancement of nutraceutical characteristics for fruit and vegetables by cryo-drying.</i>
1	NRRP – Ministerial Decree n. 630/2024, Investment 3.3 in collaboration with Net Service Srl	Identificazione dei marcatori molecolari per il miglioramento genetico e la tracciabilità di filiera in arancio dolce. <i>Identification of molecular markers for genetic improvement and supply chain traceability in sweet orange.</i>

**One place without scholarship** is available in addition to the places with scholarship reported in the table above

## Selection procedure

	MODALITY	PUBLICATION OF THE RESULTS ON THE UNIVERSITY'S WEBSITE
<b>Evaluation of Qualifications and research project</b>	Candidates' presence not required	From July 20 2024
<b>Oral Examination</b>	<b>Date:</b> From September 1st , 2024 - <b>09.30 am (Italian time)</b> <b>Place:</b> In presence, Dipartimento di Scienze Biomediche e Biotecnologiche.	From September 6 <sup>th</sup> 2024



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\* \* If the number of admitted candidates does not allow the oral test to be held on a single day, a calendar will be published on the website together with the results of the evaluation of qualifications and the research project.

\* \*\* The results of the admission tests will be available on the website. Publication on the site has the value of notification. No communication will be sent to candidates via email.

## Documents to be annexed to the application

Only documents drawn up in **Italian, English or French** will be considered valid and evaluated by the Commission. For identity documents and qualifications issued in a different language, a sworn and certified translation into Italian, French or English made by an authorized body or the University that issued the qualification must be attached.

MANDATORY DOCUMENTS TO BE SUBMITTED WITH THE APPLICATION FORM	
<b>Identity document</b>	Scan of a valid identity document in accordance with the provisions of Art. 35 c.2 D.P.R. 28 December 2000 n. 445 and subsequent amendments: "The passport, the driving license, the boat license, the pension booklet, the license to operate heating systems, the firearms license, the identification cards, provided that they have a photograph and a stamp or other equivalent signature, are equivalent to the identity card, issued by a state administration."
<b>Curriculum Vitae</b>	No specific format is required. The CV must be dated and signed (the signature will be valid only if handwritten or digital). Candidates who submit CVs without a signature will be excluded from the selection.
<b>Qualifications</b>	See Call for applications with particular reference to art. 3, paragraph 4
<b>Progetto diricerca</b>	Research project a) divided into: state of the art; description of the project; expected results; articulation of the project and implementation times; proposed criteria for the verification of the results achieved; Concise bibliography. b) maximum length of 25,000 characters, including title, spaces, formulas, bibliography
<b>Publications</b>	- List of any scientific publications (indicate DOI number, ISBN/ISSN)
<b>Documents certifying the knowledge of the foreign language, if any</b>	- Any certificate, attesting to the knowledge of a foreign language in the E.U., issued by a legally recognized institution (by way of example but not limited to: TEOFL, IELTS, Cambridge Exol, DELF, DELE, KEG, Goethe Institut, etc.)
<b>Documents certifying computer skills</b>	- Any documents certifying computer skills
<b>Documents relating to further training courses</b>	- University Master of I or II level - Specialization and/or Higher Education courses in subjects related to the research fields covered by the PhD Course - Scientific research, of any type (basic, oriented, finalized, translational, applied, etc.) and carried out in any capacity, including holding research grants and participation in research projects; - Additional Master's degree



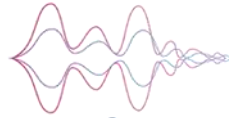
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Anthem

<b>Master degrees</b>	<p>LM-6 Biology LM-7 Agricultural biotechnology LM-8 Industrial biotechnology LM-9 Medical, veterinary and pharmaceutical biotechnologies LM-13 Pharmacy and industrial pharmacy LM-17 Physics LM-18 Computer Science LM-21 Biomedical Engineering LM-41 Medicine and surgery LM-42 Veterinary medicine LM-54 Chemical Sciences LM-69 Agricultural sciences and technologies LM-70 Food science and technology LM-71 Industrial chemical sciences and technologies LM-86 Zootechnical sciences and animal technologies 6/S (specialists in biology) 7/S (specialists in agricultural biotechnology) 8/S (specialists in industrial biotechnology) 9/S (specialists in medical, veterinary and pharmaceutical biotechnology) 14/S (specialists in pharmacy and industrial pharmacy) 46/S (specialists in medicine and surgery) 47/S (specialists in veterinary medicine) 62/S (specialists in chemical sciences) 77/S (specialists in agricultural sciences and technologies) 78/S (specialists in agri-food sciences and technologies) 79/S (specialists in agrozootechnical sciences and technologies) 81/S (specialists in industrial chemical sciences and technologies) LM-6/R Biology LM-7/R Agricultural biotechnology LM-8/R Industrial biotechnologies LM-9/R Medical, veterinary and pharmaceutical biotechnologies LM-13/R Pharmacy and industrial pharmacy LM-17/R Physics LM-18/R Computer Science LM-21/R Biomedical Engineering LM-41/R Medicine and surgery LM-42/R Veterinary medicine LM-54/R Chemical Sciences LM-69/R Agricultural sciences and technologies LM-70/R Food science and technology LM-71/R Industrial chemical sciences and technologies LM-86/R Zootechnical sciences and animal technologies</p>
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### Selection procedure criteria

The assessment is expressed through the attribution of an overall score, as established by art. 5 of the call for applications, to which reference should be made.

- 1. Evaluation of qualifications and research project** : minimum score to be admitted to the oral examination: 40 points, maximum 60 points
- 2. Oral examination** – minimum to pass the examination: 40 points, maximum 60 points



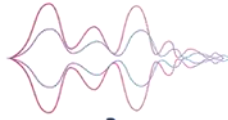
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**Anthem**