

DOCTOR OF PHILOSOPHY (PHD) PROGRAMME IN	
SCIENCE AND TECHNOLOGIES FOR ENVIRONMENT AND HEALTH (STAS)	
Coordinator: Prof Marina Paolucci, paolucci@unisannio.it	
Administrative headquarters	Department of Science and Technologies
Duration	3 years (36 Months)

AVAILABLE POSITIONS (10 - TEN)

Scholarship without financial coverage	N. 1	Topic: Applications for environment and health
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POSITIONS WITH SCHOLARSHIP FINANCED UNDER DM 118/2023 (PNRR funds)

<https://www.mur.gov.it/it/atti-e-normativa/decreto-ministeriale-n-118-del-02-03-2023>

<p>Positions with scholarship funded under the PNRR (6)</p> <p>Ministerial Decree 118/2023</p> <p>"Extension of the number of research doctorates and innovative doctorates for public administration and cultural heritage" - "Advanced university education and skills"</p> <p>(For each chosen topic, the applicants must identify and illustrate a specific research project by using the format available)</p>	<p>Scholarship no. 1 - PNRR Research Topic: Characterization of biologically active natural molecules obtained by isolation and chemical synthesis from green extraction of processing waste from the food-vegetable chain SSD: CHIM/06 Scientific Responsible: Rosanna Filosa</p>	<p>To participate in this type of post it is mandatory to carry out periods of study and research abroad or in a company</p> <p>https://www.mur.gov.it/it/atti-e-normativa/decreto-ministeriale-n-118-del-02-03-2023</p>
	<p>Scholarship no. 2 – PNRR Research Topic: SYMBIOTICS of BIOECONOMY: the value of waste from the agri-food chain combined with the activity of beneficial microorganisms. SSD: BIO/19 Scientific Responsible: Caterina Pagliarulo</p>	
	<p>Scholarship no. 3 – PNRR Research Topic: BIOMATERIALS from waste of the agro-food chain to the development of biodegradable polymeric films for applications in the food sector SSD: BIO/06 Scientific Responsible: Marina Paolucci</p>	
	<p>Scholarship no. 4 – PNRR Research Topic: Recovery and valorization of plant/animal biomass to improve soil characteristics and combat climate change: biochar and agricultural production for food SSD: BIO/04 Scientific Responsible: Mariapina Rocco</p>	
	<p>Scholarship no. 5 – PNRR Research Topic: Enhancement of corporate competitiveness through the introduction of innovative technologies and circular economy aimed at improving the quality of production, animal welfare and environmental sustainability SSD: VET/01 Scientific Responsible: Ettore Varricchio</p>	
	<p>Scholarship no. 6 – PNRR Research Topic:</p>	

	<p>Enhancement of food industry waste by evaluating the effects of bioactive compounds, isolated from residues from crustacean and citrus fruit processing, on the response of endothelial cells to mechanical stress</p> <p>SSD: BIOS/10 Scientific Responsible: Alberto Zollo</p>	
	<p>Scholarship no. 7 – Digital Transitions Topic: Artificial Intelligence tools for molecular diagnostics</p> <p>SSD: ING-INF/05 Scientific Responsible: Francesco Napolitano</p>	

POSITIONS WITH SCHOLARSHIP FINANCED UNDER DM 117/2023 (PNRR funds)
(<https://www.mur.gov.it/it/atti-e-normativa/decreto-ministeriale-n-117-del-02032023>)

<p>Positions with scholarship funded under the PNRR (6)</p> <p>Ministerial Decree 117/2023</p> <p>"Introduction of innovative doctorates that respond to the innovation needs of companies and promote the recruitment of researchers from companies"</p>	<p>Scholarship no. 1 - Topic Computational and quantitative biology for the study of human diseases</p> <p>Co-financing body: BIOGEM</p>	<p>To participate in this type of post it is mandatory to carry out periods of study and research abroad or in a company</p> <p>https://www.mur.gov.it/it/atti-e-normativa/decreto-ministeriale-n-117-del-02-03-2023</p>
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POSITIONS WITH SCHOLARSHIP FINANCED BY INPS AND INTENDED FOR CHILDREN AND/OR ORPHANS OF ENROLLMENTS AND PENSIONERS (EX INPDAP) OF THE INSTITUTE

<p>POSITIONS WITH SCHOLARSHIP FINANCED BY INPS AND INTENDED FOR CHILDREN AND/OR ORPHANS OF ENROLLMENTS AND PENSIONERS (EX INPDAP) OF THE INSTITUTE</p> <p>https://www.inps.it/it/it/avvisi-bandi-e-</p>	<p>Scholarship no. 1 - New formulations of geopolymers as a sustainable alternative to traditional restoration mortars</p> <p>Scientific coordinator: Prof. Daniela Pappalardo</p> <p>THE SCHOLARSHIP WILL BE ACTIVATED ONLY AFTER COMMUNICATION OF THE FINANCING BY INPS</p>	<p>To participate in this type of post it is mandatory to carry out periods of study and research abroad or in a company</p> <p>https://www.inps.it/it/it/avvisi-bandi-e-fatturazione/welfare-assistenza-e-mutualita/welfare-bandi/dettaglio.welfare-bandi.2022.12.bando-dottorati-di-ricerca-2022-2023_49.html</p>
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<p><i>fatturazione/welfare-assistenza-e-mutualita/welfare-bandi/dettaglio.welfare-bandi.2022.12.bando-dottorati-di-ricerca-2022-2023_49.html</i></p>		
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Entry qualifications for the competition

All master's and specialist degrees and degrees awarded according to regulations prior to DM 509/99 and 270/2004

Evaluation of Qualifications and Oral Exam			
<p>Selection-Admissions: Policies & Procedures</p>	<p>Evaluation of academic titles(Curriculum Vitae and relevant documentation)</p>	<p>Up to 40 points</p>	<p>Graduation grade assessable according to proportional parameters or, failing that, the weighted average grade of the exams taken (for those who obtain the degree by 31/10/2021) (up to 8 points);</p> <p>Thesis of Laurea Magistrale (or equivalent) in full format (or, for final year applicants only, drafting of the thesis being filed countersigned by the supervisor and with the stamp of the Department of reference) which can be evaluated in consideration of the content and congruence with the PhD Programme (up to 2 points);</p> <p>c) Research project (up to 15 points);</p> <p>d) monographs and publications in journals or series with peer review, evaluable if congruent with the PhD Programme and already published, or with a certificate, from the publisher, of acceptance and forthcoming publication; - Patents if congruent with the PhD Programme (Up to 8 points);</p> <p>post-graduate university specialization diploma, Master of at least one year duration issued by universities or qualified research bodies that can be evaluated if congruent with the PhD Programme (Up to 2 points);</p> <p>Research grants that can be evaluated if congruent with the PhD Programme, such as (Up to 5 points):</p> <ul style="list-style-type: none"> • scholarships issued by Italian or foreign universities or by research institutes of primary and proven relevance; • periods of study and research abroad (including the Erasmus period) carried out at universities or qualified research institutes for

			<p>a continuous period of time of not less than 3 months;</p> <ul style="list-style-type: none"> prizes awarded by national and international scientific societies that can be evaluated if congruent with the PhD Programme;
	Oral exam (interview)	30 to 60 points	<p>The oral exam will focus on an interview concerning the academic qualifications and the research project presented; it may be carried out via "teleconference" for foreign applicants or for Italian applicants in justified cases based on adequate documentation. It is forbidden to carry out audio / video recording. It is also forbidden for anyone to broadcast the audio / video recording made with tools other than the platform. The absence of the candidate on the day and time of the oral exam will be considered as a renunciation of the competition, whatever the cause. Applicants who have obtained a grade of not less than 30/60 in the interview will pass the oral exam. Applicants would need to achieve a minimum grade of 30/60 in the interview in order to pass the oral exam.</p> <p>For the evaluation of the oral exam, without prejudice to the autonomy of the Commission for all types of positions, ordinary and reserved, the evaluation criteria are:</p> <p>a) clarity of presentation (up to 20 points)</p> <p>b) ability to synthesize (up to 10 points)</p> <p>c) ability to carry out part of the discussion in the foreign language chosen from those indicated in the form of each PhD Program call (Up to 10 points)</p> <p>d) ability to answer in-depth questions on the research project presented (up to 20 points).</p>
Selection-Admission Tests: Schedules			
	Oral Test	Oral exam dates, times and venues will be announced by a notice published on the University website at the address: https://www.unisannio.it/index.php/it/studente/studente-laureato/dottorato-di-ricerca	