

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 (8 - EIGHT)

Positions without scholarship	N. 2	Topic: Applications for environment Topic: Applications for health
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POSITIONS WITH SCHOLARSHIP FINANCED UNDER DM 629/2024 (fondi PNRR)

(<https://www.mur.gov.it/it/atti-e-normativa/decreto-ministeriale-n-629-del-24-04-2024>)

Positions with scholarships funded under the PNRR (5) DM 629/2024	<p>Scholarship no. 1 - PNRR Research Topics: Topic: - <i>Multidisciplinary approaches for the geomorphologically based redevelopment of the river ecosystem, the analysis of the current dynamics and the prediction of the future evolution of water courses.</i> Topic - <i>Innovative methods and techniques in environmental impact assessment</i> Topic - <i>Effects of environmental pollutants on health</i> Scientific Responsible: Prof. Paolo Magliulo SSDGEO/04 - Geografia Fisica e Geomorfologia</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-629-del-24-04-2024</p>
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POSITIONS WITH SCHOLARSHIP FINANCED UNDER DM 630/2024 (fondi PNRR)

(<https://www.mur.gov.it/it/atti-e-normativa/decreto-ministeriale-n-630-del-24-04-2024>)

Positions with scholarships funded under the PNRR (5) DM 630/2024 <i>"Introduction of innovative doctorates that respond to the innovation needs of companies and promote the recruitment of researchers from companies"</i>	<p>Scholarship no. 1 – Topic Computational methods for the study of alternative splicing from RNA-seq data</p> <p>Co-financing body: Genus Biotech</p> <p>Scientific responsible Prof. Luigi Cerulo SSD INF/01 - Informatica.</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-630-del-24-04-2024</p>
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<p>Positions with scholarships funded under the PNRR (5)</p> <p>DM 630/2024</p> <p><i>"Introduction of innovative doctorates that respond to the innovation needs of companies and promote the recruitment of researchers from companies"</i></p>	<p>Scholarship no. 2 – Topic New composite thermosetting materials with reduced environmental impact: synthesis, characterization and study of mechanical properties</p> <p>Co-financing body: BI-QEM</p> <p>Scientific responsible Prof.ssa Daniela Pappalardo SSD CHIM/03 - Chimica Generale ed Inorganica.</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-630-del-24-04-2024</p>
	<p>Scholarship n. 3 – Topic <i>Time series analysis and hydrogeological modeling to study the impacts of climate change on karst aquifers</i></p> <p>Co-financing body: ABC - NAPOLI</p> <p>Responsabile scientifico Prof.ssa Libera Esposito SSD GEO/05 - Geologia Applicata.</p>	
	<p>Scholarship n. 4 – Topic <i>Synthesis and biological evaluation of bioactive ligands towards molecular targets involved in urogenital pathologies</i></p> <p>Co-financing body: Materias</p> <p>Scientific responsible Prof.ssa Rosanna Filosa SSD CHIM06 Chimica Organica</p>	
	<p>Scholarship n. 5 – Topic <i>Study of crustal deformation and active tectonic processes through multidisciplinary approaches to understand the geological mechanisms that govern seismicity</i></p> <p>Co-financing body: INGV</p> <p>Scientific responsible Dott. Bruno Massa SSD GEO/03 - Geologia strutturale.</p>	

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			
Selection-Admissions: Policies & Procedures	Evaluation of academic titles (Curriculum Vitae and relevant documentation)	Up to 40 points	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);
			Thesis of Laurea Magistrale (or equivalent) in full format (or, for final year applicants only, drafting of the thesis

			<p>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 a continuous period of time of not less than 3 months; • • 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	<p>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</p>	