



UNIVERSITÀ  
DEGLI STUDI  
DEL MOLISE

**DIVISIONE RISORSE E SERVIZI**  
**AREA SERVIZI AGLI STUDENTI**  
**COORDINAMENTO SEGRETERIE STUDENTI**  
**SETTORE DOTTORATI DI RICERCA**

### *PhD Course in Ecology and Territory*

<b>Coordinator</b>	Prof. Bruno Lasserre e-mail: <a href="mailto:lasserre@unimol.it">lasserre@unimol.it</a>	
<b>CUN Area</b>	04 – 05 – 07 – 08a - 11a	
<b>E.R.C.</b>	SH2_6, SH2_7, SH3_1, SH3_4, SH3_6, SH3_8, SH6_8, PE6_8, PE6_10, PE10_4, PE10_5, PE10_15, LS8_1, LS8_2, LS8_4, LS8_7, LS9_4	
<b>Overview</b>	<p>The PhD Course in Ecology and Territory of the University of Molise aims to develop advanced scientific and technological abilities required to carry out highly qualified autonomous research activities, even with an interdisciplinary approach, to apply to the fields of conservation, enhancement, management and sustainable planning of natural resources and territorial heritage, also with reference to the process of territorialisation in a diachronic perspective.</p> <p>In particular, doctoral students acquire theoretical and practical knowledge to: carry out functional analysis of environmental (geo-eco-cultural) and territorial systems, define and implement environmental and territorial monitoring protocols and advanced tools for the conservation and enhancement of biodiversity, develop and use sustainable landscape management and planning approaches, carrying out environmental impact analysis and strategic environmental assessment and the related historical and geographical investigations, using innovative methodologies for the protection of environmental and cultural assets. Overall, the course involves the study of the territory in its different dimensions, with innovative multi-scale approaches aimed at integrating the need for environmental protection and health with that of sustainable socio-economic development, also through the design of prevention and management systems of natural and man-made risks, of green infrastructures for resilience and urban regeneration.</p> <p>The interdisciplinary training objectives of the course are also oriented towards the acquisition of in-depth knowledge of the English language, data processing skills, and ability to manage research activities. Additional informations on the PhD Program are available at the PhD Course website <a href="http://dipbioter.unimol.it/dottoratoecoterr-xxxvii-ciclo/">http://dipbioter.unimol.it/dottoratoecoterr-xxxvii-ciclo/</a></p>	
<b>Web site</b>	<a href="http://dipbioter.unimol.it/dottoratoecoterr-xxxvii-ciclo/">http://dipbioter.unimol.it/dottoratoecoterr-xxxvii-ciclo/</a>	
<b>Duration</b>	01/11/2021 – 31/10/2024	
<b>Available positions</b>	Positions with scholarships	<b>3</b>
	Positions with scholarship reserved for applicants from foreign universities	<b>1</b>
	Positions without scholarships	<b>1</b>
	<b>TOTAL</b>	<b>5</b>
	<b>OF WHICH WITH SCHOLARSHIP</b>	<b>4</b>
<b>Requirements for admission to the competition</b>	<p>Degree taken after a Graduate Program (Two-year higher course) already declared equipollent by competent Italian authorities or deemed equivalent for the sole purposes of the competition to a Second Level Italian specialist/master degree equivalent to those released in Italy in the following classes:</p> <ul style="list-style-type: none"> <li>- A University degree obtained after 2-year specialization courses</li> <li>- A University degree (old university legislation)</li> </ul> <p>Foreign academic qualification already declared equipollent by competent Italian authorities or deemed equivalent for the sole purposes of the competition.</p>	
<b>Assessable qualifications and related</b>	<p><b>List of assessable qualifications</b> (score up to a maximum of 20/80):</p> <ul style="list-style-type: none"> <li>- <i>curriculum vitae et studiorum</i></li> <li>- Final degree mark; in the case students did not graduated yet the average of the marks</li> </ul>	



<b>score</b>	<p>obtained to each exam will be considered (from 0 to 5 points)</p> <ul style="list-style-type: none"> <li>- Scientific publications on peer-reviewed journals (max. 3), scientific publications in congress proceedings (max 3) (from 0 to 5 points)</li> <li>- participation to national and international congresses with oral presentations and posters (from 0 to 5 points)</li> <li>- Other qualifications considered evaluable (study grants, awards, courses attended, Masters, Erasmus or study programs abroad, work experiences related to the PhD themes, etc) (from 0 to 5 points)</li> </ul>
<b>Thematic areas of the research project proposals and of the interview</b>	<p><b>Research proposal</b> (score up to a maximum of <b>20/80</b>):</p> <p>Candidates are required to prepare a research project proposal to be submitted along with the application must be dated and signed.</p> <p>The project proposal, coherent with second level degree must be on <b>one</b> of the following themes selected among those of interest:</p> <ul style="list-style-type: none"> <li>• Characterization, monitoring, recovery and conservation of animal and plant biodiversity</li> <li>• Characterization, monitoring and mitigation of the effects of global changes on environmental systems</li> <li>• Innovative technics and processes for landscape, environment, territorial and urban spatial planning and design</li> <li>• Monitoring and modelling of ecosystems</li> <li>• Trees and forest systems and global changes adaptation</li> <li>• Characterization and monitoring of the natural river and marine-coastal environments</li> <li>• Enhancement of territorial environmental and cultural resources</li> <li>• Sustainability, biodiversity and ecosystem services: monitoring systems and forecasting models</li> </ul> <p><b>Interview</b></p> <p>The oral exam and interview (score up to a maximum of <b>40/80</b>) will consist of the oral presentation of the research proposal and a discussion of the technical and scientific issues related to it. Knowledge of the English language will also be evaluated. Candidates can carry out the presentation and discussion in English.</p>
<b>Assessment criteria and ranking of the candidates</b>	<p>The assessment of academic qualifications is preparatory to the interview. The results of I evaluation phase will be published, as soon as available on the website <a href="https://www.unimol.it/https-www-unimol-it-ricerca/dottorati-di-ricerca-2">https://www.unimol.it/https-www-unimol-it-ricerca/dottorati-di-ricerca-2</a>.</p> <p><b><u>To be admitted to the oral exam, the candidate must get a score that should be not less than 20/80 (given by the sum of the evaluation of qualifications and of project proposal.</u></b></p> <p>The maximum score is equal to 80/80, divided into the following sub-scores:</p> <ul style="list-style-type: none"> <li>- 20/80 Academic qualifications;</li> <li>- 20/80 Research proposal in written form <ul style="list-style-type: none"> <li>• Consistency of the project proposal with the themes indicated (max 4 points)</li> <li>• Originality of the project and the contribution to knowledge in the area (max 4 points)</li> <li>• Clarity used to identify and describe the research objectives (max 4 points)</li> <li>• Project structure and feasibility (max 4 points)</li> <li>• Organization and synthesis (max 4 points)</li> </ul> </li> <li>- 40/80 Interview and knowledge of English language <ul style="list-style-type: none"> <li>• Clarity and mastery of knowledge in the area of the project - state of the art (max 10 points)</li> <li>• Clarity of the candidate to expose and describe the objectives, originality, expected results, contribution to the knowledge of the area and any application implications of the proposed research (max 20 points);</li> <li>• Candidate's ability to discuss the structure of the project, including methods (max 10 points)</li> </ul> </li> </ul> <p>The results of II evaluation phase will be published, as soon as available on the website</p>



	<a href="https://www.unimol.it/https-www-unimol-it-ricerca/dottorati-di-ricerca-2">https://www.unimol.it/https-www-unimol-it-ricerca/dottorati-di-ricerca-2</a>
<b>Merit ranking</b>	Candidates with an overall score of at least <b>40/80</b> points will be included in the overall merit ranking.
<b>Interview calendar</b>	<p>Date: September 9<sup>th</sup>, 2021 at 9.30 a.m. (Rome Time); the agenda of the interviews will be defined by the Selection Committee depending on the number of candidates admitted to oral exam.</p> <p>Place: Room SRC; Department of Bioscienze e Territorio, University of Molise, Contrada Fonte Lappone; 86090 Pesche (IS), ITALY</p>

