



## DOCTORAL PROGRAMME IN AGRICULTURAL AND ENVIRONMENTAL SCIENCES

Director prof. Carlo Viti

XXXIX cycle – academic year 2023/2024

<b>TECHNOLOGICAL AREA</b>	
<b>ADMINISTRATIVE OFFICE</b>	Department of Agri-food, Environment and Forestry Sciences and Technologies
<b>POSITIONS AVAILABLE: 6</b> Positions with Scholarship: 6 Position without Scholarship: <i>not available</i>	
<b>SCHOLARSHIPS: 6</b>	University of Florence
<b>STUDY/RESEARCH PERIODS ABROAD</b>	3 mesi
<b>DOCUMENTS REQUIRED FOR THE ADMISSION</b> (under penalty of exclusion)	<ul style="list-style-type: none"><li>• Copy of the Identification Document</li><li>• Self-declaration for qualifications obtained in Italy (laurea triennale, specialistica o magistrale o ciclo unico) with a list of all exams taken and their marks, title of the thesis and graduation mark (download the form <a href="#">here</a>, make sure you <b>fill in all the fields</b>)</li><li>• Qualifications obtained abroad (Bachelor's and Master Degrees or combined cycle Degree) with a list of all exams taken and their marks, title of the thesis and graduation mark.</li></ul> <p><i>The same documentation except for the final mark must be submitted by those who will graduate within the 31/10/2023</i></p>
<b>DOCUMENTS REQUIRED FOR THE EVALUATION</b>	<b>MANDATORY</b> <ul style="list-style-type: none"><li>• Curriculum vitae (european format)</li><li>• Research Project</li></ul> <b>OPTIONAL</b> <ul style="list-style-type: none"><li>• Publications</li><li>• Any other scientific qualification document</li></ul>
<b>RESEARCH PROJECT</b>	Research project has to be prepared in English in no more than 12.000 characters including spacing, and structured in introduction, state of the art, objectives, materials and methods with temporal distribution of the phases, expected results. For XXXIX cycle, several priorities of interest have been selected. The project must relate, and should make specific reference, to one of them listed in the section below: <b>"Thematics"</b> .

	<p>The research project should be attached to the application form and it should be made as the project pattern uploaded into the following departmental webpage (section “dottorato di ricerca”):  <a href="http://www.dottoratoscienzeagrarieambientali.unifi.it">http://www.dottoratoscienzeagrarieambientali.unifi.it</a></p> <p>The research project should be focused on a possible research activity, which the applicant will be going to execute during the three-year doctoral program.</p>																		
<b>INTERVIEW MODE</b>	<p><b>Remotely</b> (Videocall)</p> <p>The interview can be conducted in Italian or in English language; if it is conducted in Italian, English skills will be tested during interview.</p>																		
<b>EVALUATION MARKS</b>	<table border="1"> <thead> <tr> <th>Parameter</th> <th>minimum score</th> <th>maximum score</th> </tr> </thead> <tbody> <tr> <td>Curriculum vitae, scientific qualification documents,</td> <td>10/120</td> <td>15/120</td> </tr> <tr> <td>Research Project redaction</td> <td>30/120</td> <td>40/120</td> </tr> <tr> <td colspan="3"><b>Applicants who obtain a mark of at least 40/120 according to the minimum score for each parameter will be admitted to the interview</b></td> </tr> <tr> <td>Interview: discussion of the research project and any other qualification document</td> <td>40/120</td> <td>65/120</td> </tr> <tr> <td colspan="3"><b>Eligibility is achieved with a minimum score of 80/120</b></td> </tr> </tbody> </table>	Parameter	minimum score	maximum score	Curriculum vitae, scientific qualification documents,	10/120	15/120	Research Project redaction	30/120	40/120	<b>Applicants who obtain a mark of at least 40/120 according to the minimum score for each parameter will be admitted to the interview</b>			Interview: discussion of the research project and any other qualification document	40/120	65/120	<b>Eligibility is achieved with a minimum score of 80/120</b>		
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<b>THEMATICS</b>	<ul style="list-style-type: none"> <li>• Optimization of plant soil feedback under legume-cereal systems.</li> <li>• Hydrogen production in bio-electrochemical systems with purple non-sulfur bacteria.</li> <li>• Neglected genetic resources and new tropical fruit value chains.</li> <li>• Innovative approaches for estimating crop water requirements.</li> <li>• Integration of optical and radar sensors for monitoring and characterizing crop systems under a modelling approach.</li> <li>• Impact of microplastics on ruminal ecology.</li> </ul>																		
<p>Additional information on the course is available on the following web page:  <a href="http://www.dottoratoscienzeagrarieambientali.unifi.it">www.dottoratoscienzeagrarieambientali.unifi.it</a></p>																			

<b>EXAMINATION SCHEDULE</b>		
	<b>DATE</b>	<b>TIME</b>
<b>INTERVIEW</b>	July 13 <sup>rd</sup> -14 <sup>th</sup> 2023	9:30 a.m.
<p>The list of candidates admitted to the interview and the final ranking will be published at the following web page: <a href="https://www.unifi.it/p12341.html">https://www.unifi.it/p12341.html</a></p>		