

PhD PROGRAMME IN “PLANT AND ANIMAL SCIENCES”	
<b>Coordinator</b>	Prof. Roberta BERNINI
<b>Department</b>	Department of Agriculture and Forest Sciences
<b>Program duration</b>	3 years: 2 <sup>nd</sup> January 2024 - 31 <sup>st</sup> December 2026 Thesis Defence: within July 2027
<b>Program objectives</b>	<p>The PhD program aims to train researchers of high scientific qualification able of addressing the various aspects of research in the agricultural sciences, from planning a research project to its implementation, from the interpretation of data to the presentation of results, the writing of articles in scientific journals and, where possible, patents. Over the course of the three years, the PhD students develop research topics and carry out training activities with an innovative and interdisciplinary approach thanks to the different scientific skills of the members of the Academic Board in the fields of agricultural, biological and chemical sciences and the possibility of carrying out internships and periods of research and study abroad at Universities and research institutes of high scientific qualification. Research topics are agronomy, animal husbandry, biotechnologies, plant breeding, plant protection, soil science, applications of nanomaterials in agriculture, natural organic compounds, valorisation of agro-industrial wastes, project and development of methodologies for the synthesis of bioactive molecules, production of recombinant products of high added value from plant materials, biosensors for the environmental monitoring and the production chain, study of the role of the environmental factors on the agricultural productions, landscape planning, aspects of technological and nutritional quality of products, food and production safety, models for product, process and organizational innovation of the agro-food system.</p>
<b>Positions with fellowship funded by public bodies and by Department/ University</b>	<p><b>N. 2 scholarships aimed at carrying out the following research:</b></p> <p><b>(1) “Evaluation of ecosystem services of agro-pastoral activities”</b> Funding: Ambito Territoriale di Caccia Roma 2 and DAFNE (Progetto Dipartimenti di Eccellenza DIVERSo) Scientific Responsible UNITUS: Prof. Umberto Bernabucci/Prof. Riccardo Primi Scientific Responsible Ambito Territoriale di Caccia Roma 2: Dr. Sandro Fosso</p> <p><b>(2) “Development of population dynamics models for <i>Bactrocera oleae</i>”</b> Funding: Agreement between the Lazio Region, the University of Tuscia, the Industrial Development Consortium of Rieti and University of Tuscia Consortium of Rieti Scientific responsible UNITUS: Prof. Stefano Speranza Responsible Agreement: Prof. Alessandro Ruggieri</p>
<b>Admission requirements</b>	<ul style="list-style-type: none"> <li>Admission is open to candidates of any nationality and age who have one of the following requirements by the deadline of the call for application:</li> <li>Italian degree “Laurea Vecchio Ordinamento”</li> </ul>

	<ul style="list-style-type: none"> <li>▪ Italian degree “Laurea Specialistica” or “Magistrale”</li> <li>▪ International academic qualification (degree) awarded in a foreign University or in the context of inter-university cooperation and mobility agreements.</li> </ul> <p>Admission is also open to students will obtain their degree by the scheduled enrolment date (29 December 2023).</p>
<b>Evaluation of candidates (Maximum score: 80/80)</b>	<p>The candidates are evaluated by qualifications and exam (interview). The maximum score assigned is 80/80.</p>
<b>Evaluation of the qualifications (Maximum score: 15/80)</b>	<p>The evaluation of qualifications concerns the candidate's educational path, professional and research experiences. In particular, the following qualifications are evaluated:</p> <ul style="list-style-type: none"> <li>▪ Degree thesis accompanied by an abstract in English language</li> <li>▪ University career (passed exams and graduation marks)</li> <li>▪ Scientific publications relating to the research topics of the PhD Program</li> <li>▪ Participation in research projects</li> <li>▪ Scholarships</li> <li>▪ Professional experience and other qualifications held by the candidate in the <i>curriculum vitae et studiorum</i>, including any letters of introduction from university professors</li> <li>▪ Research project proposed.</li> <li>▪ The maximum score is 15/80.</li> </ul> <p>Before the interview, the scores assigned to the candidates will be published on the specific <a href="#">webpage</a> of the PhD programmes.</p>
<b>Evaluation of the interview (Maximum score: 65/80)</b>	<p>The interview is aimed at ascertaining the preparation and aptitudes of candidates for scientific research and includes the assessment of knowledge of the English language. The minimum score is 40/65 and the maximum is 65/80.</p>
<b>Topics of the interview</b>	<p>The interview, aimed at ascertaining the aptitude of candidates for scientific research, will focus on the presentation and discussion of the proposed research project, on the research topics of the PhD program and on knowledge of the English language.</p> <p>The project, described at most in 4 pages, can be written in Italian or English according to the model shown published on the specific <a href="#">webpage</a> of the PhD programmes.</p> <p>The interview includes the assessment of knowledge of the English language by reading and translating some paragraphs of a scientific text.</p> <p>After the interview, the scores will be published on the webpage of the PhD programmes.</p>
<b>Timetable and interview location</b>	<p>The exams will be held between 18<sup>th</sup>–22<sup>th</sup> December 2023 The date(s) of the interview will be published on the specific <a href="#">webpage</a> of the PhD programmes by the deadline of the Application Call.</p>
<b>Contacts for information</b>	<p>Prof. Roberta BERNINI E-mail: <a href="mailto:dottorato.spva@unitus.it">dottorato.spva@unitus.it</a></p>