

Course: SCIENCE AND TECHNOLOGY FOR THE ENVIRONMENT AND TERRITORY (STET)

Curriculum: BIOLOGY APPLIED TO AGRICULTURE AND TO THE ENVIRONMENT (CODE 10568)

Course Coordinator: Scambelluri Marco	
Department of Earth, Environmental and Life Sciences (Dipartimento di Scienze della Terra, dell'Ambiente e della Vita – DISTAV)	
Places: 6 – Grants: 4 (*)	
<p>(*) 2 grants funded by Università degli Studi di Genova; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16,500.</p> <p>(*) 1 grant funded by MUR/Department (DISTAV); the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16,500.</p> <p>(*) 1 grant funded by Department (DISTAV); the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16,500.</p> <p>(°) 1 position covered with research grant as per the amount foreseen within Doctoral Networks (DN) - HORIZON MSCA 2022-DN-01-01 -Natural Traces;</p> <p>(°) 1 position reserved for ANGEL Consulting S.a.s. employees</p>	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	26.07.2024 at 9.00 (CET) in IT mode by contacting the curriculum manager in advance
Further information on how to present qualifications/publications	<p>Qualifications are all information contained in the application and in the documents attached to it. The application must include:</p> <ol style="list-style-type: none"> the curriculum vitae et studiorum of the PhD candidate (maximum ten pages). a detailed research project concerning one of the Doctorate Research themes published in the official call for the XXXIX Doctorate Cycle in Science and Technology for the Environment and the Territory of the Genova University (maximum ten pages). a document containing the title and a brief description of the Master thesis, together with the list of exams and their marks. the titles documenting the qualifications acquired by the PhD candidate during his/her career that are relevant to the research project submitted and to the Doctorate Course (maximum ten pages). minimum one, up to three reference letters. In the application form candidates must indicate the names, qualification and Institution of referents writing the support letters. <p>PhD candidates can apply in English and Italian.</p> <p><u>Failure to submit a project on one of the topics listed below will result in the candidate's exclusion from the selection</u></p>
Exam Syllabus	<p>The interview will deal with:</p> <ol style="list-style-type: none"> the knowledge of biological themes, elements, and processes. The topics covered during the discussion are both of general interest, as well as specific to the proposed research. the activity carried out by the PhD candidates during their course of study and during the Master's degree thesis, their level of knowledge of the related topics and of the analytical and experimental methodologies related to the Master Thesis and to research topic of the project presented. the research topic that the candidate aims at developing during the PhD. the knowledge of the English language.
Research Themes	<p>The candidate must choose only one of the following 7 themes. <u>Failure to choose a theme or present a project on one of the topics listed below will result in the candidate's exclusion from the selection.</u></p> <p>More detailed information on the research topics is available on the STAT PhD website (http://www.distav.unige.it/phdstat/it - Research topics).</p> <ol style="list-style-type: none"> Evaluation of the effects and molecular mechanisms involved in the cytoprotective action of bioactive molecules on cell metabolism and structure using in vitro models (University grant) How geological and climatic buffering shaped plant diversity in hotspots of biodiversity (University grant) Fungi as wood biodeteriogens (University grant) Risk assessment for invasive species with particular attention to competitive processes with native species (MUR/DISTAV grant) Aeromycology: evaluation of air quality requirements through determination of airborne fungal microbiological pollutant concentrations (Department grant) Fungi as forensic tools (HORIZON MSCA 2022-DN-01-01 -Natural Traces grant) Evaluation of Safety Following Accidental Inhalation of Cosmetic Products (reserved for ANGEL Consulting S.a.s. employees)

Information on references	In accordance with article 3 paragraph 3 of the call, the candidate must choose minimum one, up to three referents supporting their PhD application. In their application forms, the PhD candidates must indicate the name, qualification and Institution of each referent. Referents must be University professors and researchers, or well-known experts in the subject. Referents must send their letters in "pdf" format, within the deadline for submitting the application, directly to Prof. Mauro Mariotti (m.mariotti@unige.it), responsible for the Doctorate curriculum.
Foreign Languages	The research project can be written in Italian, English or French, but knowledge of the English language is required
Further Information	<p>Further information is available on the PhD website (http://www.distav.unige.it/phdstat/it) or can be requested from:</p> <ul style="list-style-type: none"> • Prof.ssa Laura Vergani (laura.vergani@unige.it) for theme 1; • Prof. Gabriele Casazza (gabriele.casazza@unige.it) for theme 2 • Prof. Simone Di Piazza (simone.dipiazza@unige.it) for theme 3 • Prof. Luigi Minuto (luigi.minuto@unige.it) for theme 4; • Prof. Mirca Zotti (mirca.zotti@unige.it) for themes 5 e 6 • Prof.ssa Elena Grasselli (elena.grasselli@unige.it) for theme 7