

Course Coordinator: Scambelluri Marco	
Department of Earth, Environmental and Life Sciences (Dipartimento di Scienze della Terra, dell'Ambiente e della Vita – DISTAV)	
Places: 5 – Grants: 5 (*)	
(*) 2 grants funded by University of Genova, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (*) 1 grant funded by MUR/DISTAV, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (*) 1 grant funded within D.M. 118 dated 2.3.2023 (Ricerca PNRR), under condition to the approval of Ministerial funding; the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00 (*) 1 grant funded by DISTAV, the annual gross amount of the grant, including social security expenses to be paid by the recipient, is € 16.500,00	
Comparative assessment procedure	QUALIFICATIONS/PUBLICATIONS AND INTERVIEW
Interview	20.07.2023 at 9.30 (CET) in IT mode by contacting the curriculum manager in advance
Further information on how to present qualifications/publications	Qualifications are all information contained in the application and in the documents attached to it. The application must include: a) the curriculum vitae et studiorum of the PhD candidate (maximum ten pages). b) 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). c) a document containing the title and a brief description of the Master thesis, together with the list of exams and their marks. d) 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). e) 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. PhD candidates can apply in English and Italian.
Exam Syllabus	The interview will deal with: 1- the knowledge of biological themes and processes. The topics covered during the discussion are both of general interest, as well as specific to the proposed research. 2- 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. 3- the research topic that the candidate aims at developing during the PhD. 4 - the knowledge of the English language.
Research Themes	The candidate must choose one of the following proposed themes. Projects on topics other than those listed below will be evaluated with zero points. 1) Characterization and valorisation of products, by-products, and bioactive compounds from the agri-food chain (University grant) 2) Biology and ecology of invasive alien species: <i>Scyphophorus acupunctatus</i> and <i>Xylosandrus compactus</i> (MUR/DISTAV grant) 3) Urban green and Nature-based Solution for particulate matter mitigation (DM 118 grant) 4) Presence of Antibiotic resistance indicators in the environment (DISTAV grant) 5) Determination of the efficacy and safety of active principles derived from sea side-streams (University grant) 6) Contribution to the knowledge and enhancement of biodiversity in urban areas: the soil fauna in public green areas and in historic city parks (University grant)

Information on references	<p>In accordance with article 3 paragraph 3 of the call, the candidate must choose minimum one, up to three referents supporting their PhD application.</p> <p>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 to Prof. Mauro Mariotti (m.mariotti@unige.it, the responsible for the Doctorate curriculum).</p>
Foreign Languages	<p>The research project can be written in Italian, English or French, but knowledge of the English language is required</p>
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. Laura Cornara (laura.cornara@unige.it) for theme 1 • Prof. Mauro Mariotti (m.mariotti@unige.it) for theme 2 • Prof. Enrica Roccotello (Enrica.Roccotello@unige.it) for theme 3 • Prof. Elena Grasselli (elena.grasselli@unige.it) for theme 4 and 5 • Proff. Stefano Vanin (Stefano.vanin@unige.it) or Loris Galli (loris.galli@unige.it) for theme 6