

Environmental Health Sciences

*** Integrato con Decreto Rettorale Repertorio n. 1105/2023 Prot n. del 14/07/2023

Cycle	39°
Director	Prof.ssa Luisa Pasti (luisa.pasti@unife.it) Department of Environmental and Prevention Sciences
Duration	3 years
Curriculum	No
Research Topics	https://www.unife.it/studenti/dottorato/it/corsi/riforma/environmental-health-sciences
Qualification required for admission	Italian degree known as “Laurea specialistica/magistrale” or a degree awarded prior to approval of Ministerial Decree D.M. n. 509 of 3 November 1999, updated with D.M. n. 270 of 22 October 2004, n. 270; Master's (second level) degree, or an equivalent foreign academic qualification awarded abroad

Assessment Criteria

Evaluation of qualification: maximum score **50** points. Minimum score required to be admitted to the interview **38/50**

Interview: maximum score **30** points.

Minimum final score required: 60/80

Note: All documentation submitted, unless otherwise specified, must be written in either Italian or English.

During the interview, applicant's knowledge of the following languages will be tested

English

List of assessable credentials

Curriculum vitae et studiorum	<p>Mandatory documents:</p> <p>Complete university career with certification or self-certification of all exams taken and their grades, as well as the final grade for graduated candidates.</p> <p>Abstract of the master's/specialist or single-cycle thesis - signed by the advisor for graduating students - with a maximum of 2 pages, including motivations, research methods, achieved/expected results, and any essential bibliography.</p>	Up to 20 points
Research project	<p>Maximum length: 2 pages. in English or in Italian which must contain an original proposal for a research project, with the following structure: introduction to the scientific international context, relevance of the topic, expected results, argumentation. <i>The mentioned project is not binding regarding the subsequent choice of the doctoral thesis, except for the positions with defined themes. If applying for scholarships with a specific theme, the coherence of the research project with the theme is a requirement for evaluation. Therefore, the research project must necessarily relate to the topic of interest, or else the application will be excluded. If admitted to the doctoral program, the candidate will pursue research training and the thesis consistently with the reported theme.</i></p>	Up to 15 points

	<i>It is possible to apply for a maximum of 2 scholarships with defined themes by submitting 2 distinct research projects as a mandatory requirement.</i>	
Scientific publications	Mandatory Documentation: Copy of Publications in full, including abstracts and/or papers presented at conferences, seminars, or symposia, OR File containing a list of publications with links to the respective publications	Up to 5 points
Statement of research interest	Short text - maximum length: 2 pages - in English, which must contain the motivations to attend the Ph.D. programme and the candidate's specific research interests.	Up to 4 points
Reference letters	Maximum 2 letters, supporting the application, written and signed by teachers, experts, researchers or professionals, qualified on the course topics.	Up to 2 points
Other academic or professional qualifications	Certified working experiences in the field. Others academic qualifications	Up to 4 points
Interview agenda/program		
Presentation of the proposed research project and the Candidate's linguistic skills will be verified.		
Examination Timetable		
Evaluation of qualifications and interview will take place within the 19 th of September 2023. Evaluations' results, the beginning date for consulting the evaluations' results and the interview schedule will be available within the present call deadline at the following page: https://www.unife.it/studenti/dottorato/it/concorsi/esiti-prove-concorso-di-dottorato-per-il-ciclo-39deg		

TOTAL AVAILABLE POSITIONS	14
With scholarship	12
Positions reserved for foreign scholarship holders and/or scholarship holders of specific international mobility programs	2

Regular positions with scholarship		
N°	Funding institution	Research topic or area (if applicable)
3	Università degli Studi di Ferrara	
1	Co-funded by Department of Environmental and Prevention Sciences and Università degli Studi di Ferrara	Geodatabase and conceptual models for geochemical traceability and sustainability of the fishing supply chain
1	Department of Chemical, Pharmaceutical and Agricultural Sciences	Design, preparation, and characterization of water-based emulsions of polyesters derived from atmospheric carbon dioxide.
*** 1	Department of Environmental and Prevention Sciences	Ecology of arctic-alpine vegetation in relation to environmental factors and climate change
1	Regione Emilia-Romagna – PR FSE+ 2021/2027	Typicality and resilience of crops on sandy coastal soils.

Positions funded by the PNRR Project: Extended Partnership MNESYS, A multiscale integrated approach to the study of the nervous system in health and disease - CUP F78H22000660002.		
N°	Spoke e WP	Tematica o Ambito di ricerca
1	<p>Related Spok SPOKE 7, Neuroimmunology and Neuroinflammation</p> <p>WP Title WP1 - Identification of new immune and inflammatory mechanisms in cellular models of nervous system disorders WP3 - Immuno-inflammatory profiling of patients with nervous system diseases</p>	<p>Modulation of inflammatory pathways in neurodevelopmental disorders by the use of in vitro, ex-vivo and in vivo approaches.</p> <p>Scientific manager: Prof. Giuseppe Valacchi</p>

Positions funded under Ministerial Decree No. 118/2023		
N°	Area of interest	Research topic
1	Digital and environmental transitions - M4C1 I. 3.4 CUP: F73C23000740006	Development of life cycle assessment (LCA) models to support evidence-based decisions on energy and water conservation, CO ₂ sequestration in soils and nitrate pollution prevention in agriculture.
1	PNRR PhD Programmes - M4C1 I. 4.1 CUP: F73C23000540006	Seaweed extracts as a new dietary and topical technology to prevention air pollution damage on human health: focus on lung-intestine-skin interaction
1	PNRR PhD Programmes - M4C1 I. 4.1 CUP: F73C23000540006	Design, Synthesis and Evaluation of Hybrid Oligonucleotides as Biotherapeutics for Precision Anticancer Medicine Applications

**Positions funded under Ministerial Decree No. 117/2023
Innovative PhDs for Enterprises - M4C2 I. 3.3
CUP: F73C23000650006**

N°	Funding company	Research topic
1	Co-funded Leco Europe B.V.	Development of a complementary, integrative, and validated procedure for the analysis of food contaminants by two-dimensional gas chromatography coupled with mass spectrometry