

## Environmental Health Sciences

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| <b>Cycle</b>                                | 40°   |
| <b>Director</b>                             | Prof.ssa Luisa Pasti ( <a href="mailto:luisa.pasti@unife.it">luisa.pasti@unife.it</a> )<br>Department of Environmental and Prevention Sciences  |
| <b>Duration</b>                             | 3 years   |
| <b>Curriculum</b>                           | No  |
| <b>Research Topics</b>                      | <a href="https://www.unife.it/studenti/dottorato/it/corsi/riforma/environmental-health-sciences">https://www.unife.it/studenti/dottorato/it/corsi/riforma/environmental-health-sciences</a>   |
| <b>Qualification required for admission</b> | 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

|                                      |   |                 |
|--------------------------------------|---|-----------------|
| <b>Curriculum vitae et studiorum</b> | <p><b>Mandatory documents:</b></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 |
| <b>Research project</b>              | <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.</p> <p><i>Said project is not binding with regard to the subsequent choice of doctoral thesis, with the exception of thematically defined positions, for which the consistency of the research project with the theme is a requirement for evaluation, under penalty of exclusion of the candidacy. The candidate admitted on subject-constrained positions will carry out the research training and the thesis consistent with the subject.</i></p> | Up to 20 points |

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| <b>Scientific publications</b>   | <b>Mandatory Documentation:</b><br>Copy of Publications in full, including abstracts and/or papers presented at conferences, seminars, or symposia,<br><b>OR</b><br>File containing a list of publications with links to the respective publications | Up to 2 points |
| <b>Statement of research interest</b>  | 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 |
| <b>Reference letters</b>   | Maximum 2 letters, supporting the application, written and signed by teachers, experts, researchers or professionals, qualified on the course topics.  | Up to 2 points |
| <b>Other academic or professional qualifications</b>   | Certified working experiences in the field. Others academic qualifications   | Up to 2 points |
| <b>Interview agenda/program</b>  |  |                |
| Presentation of the proposed research project and the Candidate's linguistic skills will be verified.  |  |                |
| <b>Examination Timetable</b>   |  |                |
| The evaluation of qualifications and the oral test will take place within 7 October, 2024.<br>The outcome of the evaluation of qualifications for the purpose of admission to the interview will be visible on the webpage: <a href="https://www.unife.it/studenti/dottorato/it/concorsi/bandi-40/bando-40-ordinario/esiti-concorso">https://www.unife.it/studenti/dottorato/it/concorsi/bandi-40/bando-40-ordinario/esiti-concorso</a><br>The date when it will be possible to see the outcome of the qualification evaluation and the day and time of the oral test will be announced no later than the deadline of the notice on the webpage: <a href="https://www.unife.it/studenti/dottorato/it/concorsi/bandi-40/bando-40-ordinario/date-e-luoghi-per-il-colloquio-dates-and-locations-for-the-interview">https://www.unife.it/studenti/dottorato/it/concorsi/bandi-40/bando-40-ordinario/date-e-luoghi-per-il-colloquio-dates-and-locations-for-the-interview</a> |  |                |

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| <b>TOTAL AVAILABLE POSITIONS</b>  | <b>10</b> |
| <b>With scholarship</b>   | <b>7</b>  |
| <b>Position reserved for foreign candidates with foreign degrees</b>                                  | <b>1</b>  |
| <b>Positions reserved for foreign scholarship holders of specific international mobility programs</b> | <b>2</b>  |

| <b>Positions with scholarship</b> |   |  |
|-----------------------------------|---|--|
| N°                                | <i>Funding institution</i>  | <i>Research topic or area (if applicable)</i>  |
| 2                                 | Università degli Studi di Ferrara                                 |  |
| 1                                 | Regione Emilia-Romagna – PR FSE+ 2021/2027                        | <i>Organoids for the study of new biotechnological molecules with antitumor potential.</i> |
| 1                                 | Funded by the Department of Environmental Science and Prevention. | <i>Use of microalgae for biotechnological applications</i>                                 |

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| <b>1</b> | Co-funded by Department of Environmental Science and Prevention and Università degli Studi di Ferrara. | The endoplasmic reticulum–mitochondria connection in Neurodevelopmental Disorders  |
| <b>1</b> | Co-funded by Department of Environmental Science and Prevention and Università degli Studi di Ferrara. | Treatment of wastewater and digestates through the formation of struvite   |
| <b>1</b> | Co-funded by Department of Environmental Science and Prevention and Università degli Studi di Ferrara. | Archaeometric characterisation of archaeological artefacts and sediments for technological and palaeoenvironmental reconstructions |
| <b>1</b> | Co-funded by Department of Environmental Science and Prevention and Università degli Studi di Ferrara. | Genetic and epigenetic aspects in ocular tumors, and possible therapeutic perspectives   |