# UNIVERSITÀ DEGLI STUDI DI TRIESTE

**Area dei Servizi Istituzionali**
**Unità di staff Dottorati di ricerca**

<span style="color:red">**ATTACHMENT 1**</span> <span style="color:red">**LAST REVISED 30/06/2021**</span>

## DOCTORAL PROGRAMME in ENVIRONMENTAL LIFE SCIENCES
### (in partnership with the University of Udine)
### ADMISSION INFORMATION

See Overview

**Disclaimer:** the tables below provide a quick outline of due dates and required documents. Please refer to the Notice of Competition for full information on conditions for applying.

| REQUIREMENT | DEADLINE |
|---|---|
| online application and upload of documents | **7 June 2021** **1:00 p.m. (Italian time)** |
| payment of the admission exam fee | **7 June 2021** |
| deadline for graduation | **31 October 2021** |
| upload of foreign diploma or certificate | **7 June 2021** (if available after 7 June, please send it by email to dottorati@amm.units.it within 10 days of graduation – see art. 3 of the Call) |

| Documents to be uploaded<br>NOTE: applications sent without the mandatory attachments will not be processed | Mandatory -- Optional |
|---|---|
| 1. **proof of identity** (eg passport) | **mandatory** |
| 2. **curriculum vitae et studiorum**, with reference to any postgraduate qualifications, participation in research projects, as well as the attendance of theoretical/practical internships and/or training internships related to the topics of the PhD course | **mandatory** |
| 3. **university qualifications:**<br> a. for graduates and near-graduates **in Italy**:<br> **I)** self-certification of all examinations and relevant scores of second-cycle degree programme, i.e. *Laurea magistrale* (LM), *Laurea specialistica (LS)* or *Laurea vecchio* | **mandatory** |

*ordinamento (LVO)*

    **II)** self-certification of LM, LS or LVO final mark (only for graduates).

[Self-certification](#) can be drafted using the form available online, or using the online services of the concerned University.

    b. for graduates and near-graduates from **abroad**:

    **I)** Transcript of Records including examinations and scores obtained. Where applicable, a ***Diploma Supplement*** can be submitted instead of the Transcript.

    **II)** Master diploma/certificate or equivalent qualification giving access to the Doctoral Programme (only for graduates).

The foreign qualification must be comparable by level and course duration (and, where applicable, by subject area) with the required Italian degree and allow access to the PhD in the issuing country;

    **III)** Translation into Italian or English of the above documents, if issued in a different language.

| | |
|---|---|
| **4. thesis abstract**<br><br>It must be submitted by both graduates and near-graduates, in English or Italian.<br><br>We recommend to use the "[Thesis Abstract form](#)", as failure to do so may lead to exclusion. | **mandatory** |

Applicants who hold a foreign degree and have never enrolled at this or other University in Italy must also upload their Secondary School certificate.

| PLACES AND SCHOLARSHIPS AVAILABLE | | | |
|---|---|---|---|
| ***Total number of non-funded places***<br>*(code: SB)* | **0** | | |
| ***Total number of funded places*** | **8** | **Note:**<br>- Candidates who accept a subject-specific scholarship are committed to the project topic.<br>- Study/research abroad that entitles to a scholarship increase: **0 to 18 months** for each PhD student (over 3 years) if not otherwise stated in each scholarship description.<br><br>The increase can be granted only for uninterrupted periods of no less than 60 days | |
| *Scholarships*<br>*(code, total number and description)* | MD/1 | 1 | Scholarship MUR/University co-financed by the Department of Life Sciences with funds prf. Tretiach<br><br>Project title: "Photobiont-mycobiont interactions in the lichen symbiosis"<br><br>Principal investigator: prof. MauroTretiach<br><br>Project link: https://sites.google.com/site/phdenvlifesci/home<br><br>Note: this scholarship does not include funding for research conducted abroad, except for any supplementary funding from the pertaining department |
| | MD/2 | 1 | Scholarship MUR/University co-financed by the Department of Life Sciences with funds from Stazione Zoologica Anton Dohrn<br><br>Project title: "Analysis of epigenomics and epitranscriptomics modifications in the marine species *Mytilus galloprovincialis*" (see SUPPLEMENTARY INFORMATION at the bottom of the page).<br><br>Principal investigators: dott. Marco Gerdol<br><br>Project link: https://sites.google.com/site/phdenvlifesci/home<br><br>Note: this scholarship does not include funding for research conducted abroad, except for any supplementary funding from the pertaining department |

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|---|---|---|---|
| MD/3 | 1 | Scholarship MUR/University co-financed by the Department of Life Sciences with funds from the National Institute of Oceanography and Applied Geophysics (OGS).<br><br>Project title: "Fucus Virsoides in the Adriatic sea: a glacial relic in the era of climate changes"<br><br>Principal investigator: dott. Cosimo Solidoro<br><br>Project link: https://sites.google.com/site/phdenvlifesci/home<br><br>Note: number of months abroad for the purpose of scholarship increase: max 6 | |
| MD/4 | 1 | Scholarship MUR/University co-financed by the Department of Life Sciences with funds from the National Institute of Oceanography and Applied Geophysics (OGS).<br><br>Project title: "Cumulative impacts and risk assessment in marine systems"<br><br>Principal investigator: dott. Donata Canu<br><br>Project link: https://sites.google.com/site/phdenvlifesci/home<br><br>Note: number of months abroad for the purpose of scholarship increase: max 6 | |
| M/5 | 1 | Scholarship MUR/University<br><br>Project title: "Towards the aggregation of digital plant data in Italy"<br><br>Principal investigator: dott. Pierluigi Nimis<br><br>Project link: https://sites.google.com/site/phdenvlifesci/home | |
| C/6 | 1 | Scholarship MUR/University of Udine<br><br>Project title: "Potential of nanomaterials in agriculture for improving the nutrient use efficiency"<br><br>Principal investigators: dott. Guido Fellet, prof. Luca Marchiol Project link: https://sites.google.com/site/phdenvlifesci/home<br><br>Note: number of months abroad for the purpose of scholarship increase: max 6 | |
| C/7 | 1 | Scholarship MUR/University of Udine<br><br>Project title: "From species to ecosystems: upscaling the effects of global changes on plant species and communities from local to landscape scale."<br><br>Principal investigators: dott. Francesco Boscutti<br><br>Project link: https://sites.google.com/site/phdenvlifesci/home<br><br>Note: number of months abroad for the purpose of scholarship increase: max 6 | |
| C/8 | 1 | Scholarship MUR/University of Udine<br><br>Project title: "Biochar Potential in Improving Agricultural Production in developing countries"<br><br>Principal investigators: prof. Alessandro Peressotti, prof. Giorgio Alberti<br><br>Project link: https://sites.google.com/site/phdenvlifesci/home<br><br>Note: number of months abroad for the purpose of scholarship increase: max 6 | |
| **RESERVED PLACES** | | | |
| -- | **0** | | |

| TERMS AND CONDITIONS | | |
|---|---|---|
| Required academic qualifications (see art. 2 of the Notice of Competition) | | |
| *Note that all Italian degrees which are recognized by law as equivalent for the purpose of public recruitment competitions are valid for admission: Link here)* | | |
| *"Lauree vecchio ordinamento" (awarded in Italy before the D.M. 509/99 reform of the University system)* | -- | Astronomia |
| | -- | Biotecnologie agro-industriali |
| | -- | Biotecnologie indirizzo Biotecnologie agrarie vegetali |
| | -- | Biotecnologie indirizzo Biotecnologie farmaceutiche |
| | -- | Biotecnologie indirizzo Biotecnologie industriali |
| | -- | Biotecnologie indirizzo Biotecnologie mediche |
| | -- | Biotecnologie indirizzo Biotecnologie veterinarie |
| | -- | Chimica |
| | -- | Chimica e tecnologie farmaceutiche o Chimica e tecnologia farmaceutiche |
| | -- | Chimica industriale |
| | -- | Farmacia |
| | -- | Fisica |
| | -- | Informatica |
| | -- | Ingegneria chimica |
| | -- | Ingegneria per l'ambiente e il territorio |
| | -- | Matematica |
| | -- | Pianificazione territoriale e urbanistica |
| | -- | Pianificazione territoriale, urbanistica e ambientale |
| | -- | Politica del territorio |
| | -- | Scienze agrarie |
| | -- | Scienze agrarie tropicali e subtropicali |
| | -- | Scienze ambientali |
| | -- | Scienze biologiche |
| | -- | Scienze dell'informazione |
| | -- | Scienze della produzione animale |
| | -- | Scienze e tecnologie agrarie |
| | -- | Scienze e tecnologie alimentari |
| | -- | Scienze e tecnologie delle produzioni animali |
| | -- | Scienze forestali |
| | -- | Scienze forestali e ambientali |
| | -- | Scienze geologiche |
| | -- | Scienze naturali |
| | -- | Urbanistica |
| *"Lauree specialistiche" (LS) and "Lauree magistrali" (LM) awarded in Italy belonging to the following Classes* | 6/S | Biology |
| | 7/S | Agricultural biotechnologies |
| | 8/S | Industrial biotechnologies |
| | 9/S | Pharmaceutical, veterinary and medical biotechnologies |
| | 14/S | Pharmacy and industrial pharmacy |
| | 20/S | Physics |
| | 23/S | Computer science |
| | 27/S | Chemical engineering |
| | 38/S | Environmental engineering |
| | 45/S | Mathematics |

| | 54/S | Regional, urban and environmental planning |
| | 62/S | Chemistry |
| | 68/S | Nature sciences |
| | 74/S | Management of rural resources |
| | 77/S | Agriculture |
| | 78/S | Food industry |
| | 79/S | Livestock management |
| | 81/S | Industrial chemistry and related technologies |
| | 82/S | Environmental and land sciences and technology |
| | 85/S | Geophysics |
| | 86/S | Geology |
| | LM-6 | Biology |
| | LM-7 | Agrarian biotechnologies |
| | LM-8 | Industrial biotechnologies |
| | LM-9 | Pharmaceutical, veterinary and medical biotechnologies |
| | LM/13 | Pharmacy and industrial pharmacy |
| | LM-17 | Physics |
| | LM-18 | Computer science |
| | LM-22 | Chemical engineering |
| | LM-35 | Environmental engineering |
| | LM-40 | Mathematics |
| | LM-48 | Regional, urban and environmental planning |
| | LM-54 | Chemistry |
| | LM-60 | Natural sciences |
| | LM-69 | Agriculture |
| | LM-70 | Food science |
| | LM-71 | Industrial chemistry |
| | LM-73 | Environmental and forestry sciences |
| | LM-74 | Geology |
| | LM-75 | Environmental and land sciences |
| | LM-79 | Geophysics |
| | LM-86 | Livestock management |

| *Selection criteria* | **Qualifications + interview**<br>Maximum final score: **100** - Minimum final score required for eligibility: **60** |

| *Evaluation criteria* | **Qualifications** (maximum final score: **30** - minimum final score required: **15**): |

| criteria | subcriteria | | |
|---|---|---|---|
| • curriculum vitae et studiorum | Evaluation of the CV by considering any postgraduate qualifications, participation in research projects, as well as the attendance of theoretical / practical internships and/or training internships related to the topics of the PhD course | maximum score 7 | maximum score **10** |
| | Study and / or research periods abroad. | maximum score 3 | |

|  |  | Up to a maximum of ~~2~~ 3 points taking into consideration any papers published from 2017 onwards (1 score point for each paper published on a journal indexed by ISI, and 0,5 score point for any other publication in extenso or contribution to a conference). | maximum score 3 |  |
|---|---|---|---|---|
|  | • abstract of the degree thesis | Up to a maximum of 10 points considering the coherence and relevance of the thesis to the topics covered by the PhD course and taking into account the correctness and clarity of the abstract | maximum score **10** |  |

| • exams taken | The selection committee will consider the weighted mean and will give the following points: | weighted mean | points | maximum score **10** |
|---|---|---|---|---|
|  |  | 30 | 10 |  |
|  |  | 29 | 9 |  |
|  |  | 28 | 8 |  |
|  |  | 27 | 7 |  |
|  |  | 26 | 6 |  |
|  |  | 25 | 5 |  |
|  |  | 24 | 4 |  |
|  |  | 23 | 3 |  |
|  |  | 22 | 2 |  |
|  |  | 21 | 1 |  |
|  |  | < 21 | 0 |  |

**Interview**: maximum score **70** - minimum score required **45**

During the interview, the selection committee will consider the candidate's expressive skills, clarity, ability to synthesize as well as his/her scientific knowledge, maturity in critical thinking, ability to contextualize the topics, aptitude for research, correctness and congruity with respect to the scientific bases and the current scientific literature underlying the topics of the scholarships. The committee will also consider the attitude to interaction, comparison and analysis. The interview will also include a short written test, reading and/or comprehension to ascertain knowledge of the English language.

The admission results will be published online. The admission process includes the following steps: Assessment of foreign degrees **>>** Assessment of other qualifications **>>** Interview. The merit list will be published following the Doctoral Board decision on the assignment of places and scholarships.

| *Examination schedule* | *Assessment of qualifications* | **from ~~21~~ 22 June 2021** |
|---|---|---|
|  | *Interview* | **12 July 2021 at ~~00:00~~ 8:30 am (Italian time)** |

The Board of Examiners will interview candidates also on subsequent days

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Due to the current COVID-19 outbreak, the Examiners have decided that the interview will be administered only remotely, by videoconference, using Microsoft Teams.

Candidates admitted to the interview will receive an invitation by email from MS Teams to join the Team "Interviews PhD program in Environmental Sciences - UNITS".

Candidates who have not yet registered on the platform will need to create a new account using their email address (where they have received the invitation) as username.

Microsoft Teams can be accessed via web app or downloading the application from the following link: https://www.microsoft.com/en-us/microsoft-365/microsoft-teams/download-app.

Supported browsers for MS Teams: https://support.microsoft.com/it-it/office/trovare-teams-sul-web-33f84aa9-2e8b-47ac-8676-02033454e385#ID0EAACAAA=Desktop.

After joining the Team, candidates can access any time the

| | | meetings/interviews scheduled from 12 July 2021 ~~0:00~~ 8:30 am and on the following days. |
|---|---|---|
| | | Meetings are open to any candidate wishing to listen to other candidates' interviews. |
| | | At the time scheduled for the interview, candidates must be connected with the webcam on, and will have to show a current and valid identity document (eg passport). |
| | | Any trouble with downloading or connecting to the platform must be notified by the candidate within 4 working days of the start date of the interviews to dottorato.ambientevita@units.it |
| | | The Board of Examiners will also interview candidates on subsequent dates, that will be published on this link. |
| | *Language(s) of the interview* | Italian<br>English (for non-Italian speaking candidates) |
| | *Language(s) tested in the interview* | English (level of knowledge required: CEFR B2) |

| SUPPLEMENTARY INFORMATION (following publication of the Notice of Competition) | |
|---|---|
| 17/5/2021 | Factual error corrected: "*Up to a maximum of ~~2~~ 3 points*" |
| 10/06/2021 | Scholarship MD/2: Following submission of the project proposal and its approval by the co-funder, the project title has been identified as follows: "Unraveling the evolution and function of the retinoic acid signaling in the mollusk *Mytilus galloprovincialis*". |
| 11/06/2021 | The starting date of the assessment of qualifications has changed |
| 30/06/2021 | The time of the interview has changed |