



# UNIVERSITÀ DEGLI STUDI DI TRIESTE

Area dei Servizi Istituzionali  
Settore Servizi agli studenti e alla didattica  
Ufficio Dottorati di ricerca

ATTACHMENT 1

LAST REVISED 08/07/2020

## 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	<b>17 June 2020</b> <b>1:00 p.m. (Italian time)</b>
payment of the admission exam fee	<b>17 June 2020</b>
<i>for Italian degrees:</i> deadline for graduation	<b>31 October 2020</b>
<i>for foreign degrees:</i> deadline for graduation	<b>12 October 2020</b>
upload of foreign diploma or certificate	<b>17 June 2020</b> (if available after 17 June, please send it by email to <a href="mailto:dottorati@amm.units.it">dottorati@amm.units.it</a> within 15 October)

<b>Documents to be uploaded</b> NOTE: applications sent without the mandatory attachments will not be processed	Mandatory -- Optional
<b>1. proof of identity</b> (eg passport)	<b>mandatory</b>
<b>2. curriculum vitae et studiorum</b> , with explicit reference to extra-curricular experiences related to the topics of the PhD Programme (e.g. summer schools, specialised training, work/laboratory/research experience, study/research or teaching abroad, publications)	<b>mandatory</b>
<b>3. university qualifications:</b> a. for graduates and near-graduates <b>in Italy:</b> I) self-certification of all examinations and relevant scores of second-cycle degree programme, i.e. <i>Laurea magistrale (LM)</i> , <i>Laurea specialistica (LS)</i> or <i>Laurea vecchio ordinamento (LVO)</i> II) self-certification of LM, LS or LVO final mark (only for graduates). <a href="#">Self-certification</a> can be drafted using the form available online, or using the online services of the concerned University.	<b>mandatory</b>

<p>b. for graduates and near-graduates from <b>abroad</b>:</p> <p><b>I)</b> Transcript of Records including examinations and scores obtained. Where applicable, a <b>Diploma Supplement</b> can be submitted instead of the Transcript.</p> <p><b>II)</b> Master diploma/certificate or equivalent qualification giving access to the Doctoral Programme (only for graduates).</p> <p>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;</p> <p><b>III)</b> Translation into Italian or English of the above documents, if issued in a different language.</p>	
<p><b>4. thesis abstract</b></p> <p>It must be submitted by both graduates and near-graduates, in English or Italian.</p> <p>We recommend to use the "<a href="#">Thesis Abstract form</a>", as failure to do so may lead to exclusion.</p>	<b>mandatory</b>

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			
<b>Total number of non-funded places</b> (code: SB)	1		Project title: "Monitoring marine environmental quality by the use of biotic matrices". Principal investigator: prof. A. Terlizzi
<b>Total number of funded places</b>	9		<b>Note:</b> - Candidates who accept a subject-specific scholarship are committed to the project topic. - Study/research abroad that entitles to a scholarship increase: <b>0 to 18 months</b> for each PhD student (over 3 years)
<b>Scholarships</b> (code, total number and description)	MD/1	1	Scholarship MUR/University co-financed by the Department of Life Sciences with funds from the National Institute of Oceanography and Applied Geophysics (INOGS). Project title: "Ecosystem and social implications of management policies in the Adriatic Sea" Principal investigator: dr. S. Libralato Project link: <a href="https://sites.google.com/site/phdenvlifesci/home">https://sites.google.com/site/phdenvlifesci/home</a> Note: number of months abroad for the purpose of scholarship increase: max 6
	MD/2	1	Scholarship MUR/University co-financed by the Department of Life Sciences with funds from the National Institute of Oceanography and Applied Geophysics (INOGS). Project title: "Calcareous bio-concretions in the Northern Adriatic Sea: macroalgal assemblages" CUP F84I19001520007 Principal investigators: dr. P. del Negro and dr. A. Falace Project link: <a href="https://sites.google.com/site/phdenvlifesci/home">https://sites.google.com/site/phdenvlifesci/home</a> NOTE: this scholarship does not include funding for research conducted abroad, except for any supplementary funding from the pertaining department
	MD/3	1	Scholarship MUR/University co-financed by the Department of Life Sciences funded by SAFEGRAPH: Regulatory Pathway and Safety Assessment of Graphene-based products" Project title: "Algal ecotoxicology of composites enriched in graphene related materials: from basic research to a new regulatory pathway" Principal investigator: prof. M. Tretiach Project link: <a href="https://sites.google.com/site/phdenvlifesci/home">https://sites.google.com/site/phdenvlifesci/home</a> NOTE: this scholarship does not include funding for research conducted abroad, except for any supplementary funding from the pertaining department

MD/4	1	<p>Scholarship MUR/University co-financed by the Department of Life Sciences with funds from Anton Dohrn Zoological Station (SZN), Naples.</p> <p>Project title: "Microalgal associations on seagrass meadows: effects of global changes on the first colonization and plant-animal chemical relationships"</p> <p>Principal investigator: prof. A. Terlizzi</p> <p>Project link: <a href="https://sites.google.com/site/phdenvlifesci/home">https://sites.google.com/site/phdenvlifesci/home</a></p> <p>NOTE: this scholarship does not include funding for research conducted abroad, except for any supplementary funding from the pertaining department</p>
MD/5	1	<p>Scholarship MUR/University co-financed by the Department of Life Sciences with funds from PNRA (National Antarctic Research Program).</p> <p>Project title: "The Antarctic lichen as evolutionary niches for microbial diversification"</p> <p>CUP J94I20000190001</p> <p>Principal investigator: dr. L. Muggia</p> <p>Project link: <a href="https://sites.google.com/site/phdenvlifesci/home">https://sites.google.com/site/phdenvlifesci/home</a></p> <p>NOTE: this scholarship does not include funding for research conducted abroad, except for any supplementary funding from the pertaining department</p>
MD/6	1	<p>Scholarship MUR/University co-financed by the Department of Life Sciences with funds from SAFEGRAPH: Regulatory Pathway and Safety Assessment of Graphene-based products"</p> <p>Project title: "Characterization of cutaneous toxicity of graphene-based materials"</p> <p>Principal investigator: Prof. A. Tubaro</p> <p>Project link: <a href="https://sites.google.com/site/phdenvlifesci/home">https://sites.google.com/site/phdenvlifesci/home</a></p> <p>NOTE: this scholarship does not include funding for research conducted abroad, except for any supplementary funding from the pertaining department</p>
C/7	1	<p>Scholarship MUR/University of Udine</p> <p>Project title: "Growing Protein crops under regenerative organic production practices in a European transect"</p> <p>Principal investigators: dr. G. Delle Vedove, Prof. G. Alberti</p> <p>Project link: <a href="https://sites.google.com/site/phdenvlifesci/home">https://sites.google.com/site/phdenvlifesci/home</a></p> <p>Note: number of months abroad for the purpose of scholarship increase: max 6</p>
C/8	1	<p>Scholarship MUR/University of Udine</p> <p>Project title: "Vineyards in transition: adaptation needs and mitigation options in grape producing regions under climate change"</p> <p>Principal investigators: prof. G. Alberti, dr. P. Sivilotti</p> <p>Project link: <a href="https://sites.google.com/site/phdenvlifesci/home">https://sites.google.com/site/phdenvlifesci/home</a></p> <p>Note: number of months abroad for the purpose of scholarship increase: max 6</p>
C/9	1	<p>Scholarship MUR/University of Udine</p> <p>Project title: "Interactions between engineered nano-materials and plants"</p> <p>Principal investigator: prof. L. Marchiol</p> <p>Project link: <a href="https://sites.google.com/site/phdenvlifesci/home">https://sites.google.com/site/phdenvlifesci/home</a></p> <p>Note: number of months abroad for the purpose of scholarship increase: max 6</p>

**RESERVED PLACES**

## 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
- Geografia
- Informatica
- Ingegneria chimica
- Ingegneria per l'ambiente e il territorio
- Lettere
- 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
- 21/S Geography
- 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-80 Geography LM-86 Livestock management			
<b>Qualifications + interview</b>				
Maximum final score: <b>100</b> - Minimum final score required for eligibility: <b>60</b>				
<i>Selection criteria</i>				
<i>Evaluation criteria</i>	<b>Qualifications</b> (maximum final score: <b>30</b> - minimum final score required: <b>15</b> ):			
	<b>criteria</b>	<b>subcriteria</b>		
	<ul style="list-style-type: none"> <li>curriculum vitae et studiorum</li> </ul>	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 5	maximum score <b>10</b>

	Study and / or research periods abroad. Only periods of at least three months will be considered	maximum score 3																									
	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 2																									
• 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 <b>10</b>																								
• exams taken	The selection committee will consider the weighted mean and will give the following points:	<table border="1"> <thead> <tr> <th>weighted mean</th> <th>points</th> </tr> </thead> <tbody> <tr><td>30</td><td>10</td></tr> <tr><td>29</td><td>9</td></tr> <tr><td>28</td><td>8</td></tr> <tr><td>27</td><td>7</td></tr> <tr><td>26</td><td>6</td></tr> <tr><td>25</td><td>5</td></tr> <tr><td>24</td><td>4</td></tr> <tr><td>23</td><td>3</td></tr> <tr><td>22</td><td>2</td></tr> <tr><td>21</td><td>1</td></tr> <tr><td>&lt; 21</td><td>0</td></tr> </tbody> </table>	weighted mean	points	30	10	29	9	28	8	27	7	26	6	25	5	24	4	23	3	22	2	21	1	< 21	0	maximum score <b>10</b>
weighted mean	points																										
30	10																										
29	9																										
28	8																										
27	7																										
26	6																										
25	5																										
24	4																										
23	3																										
22	2																										
21	1																										
< 21	0																										
<p><b>Interview:</b> maximum score <b>70</b> - minimum score required <b>45</b></p> <p>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.</p>																											

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 after approval by the Rector.

<i>Examination schedule</i>	<p><i>Assessment of qualifications</i> <b>from 30 June 2020</b></p> <p><i>Interview</i> <b>27 July 2020 <del>at 9:00 a.m. (Italian time)</del>, University of Trieste <del>Department of Life Sciences Building Q second floor Sala Riunioni Via Giorgieri, 5 TRIESTE</del></b> The Examination Panel will interview candidates also on subsequent days (see <a href="#">schedule</a>)</p> <p style="text-align: center;">---</p> <p>Due to the current COVID-19 outbreak, the Examination Panel has decided that the interview will be administered <b>only remotely</b>, i.e. by videoconferencing, as provided in this <a href="#">link</a>.</p> <p>At the interview, candidates must show a current and valid identity document (eg passport).</p> <p><i>Language(s) of the interview</i> Italian English (for non-Italian speaking candidates)</p> <p><i>Language(s) tested in the interview</i> English (level of knowledge required: <a href="#">CEFR B2</a>)</p> <p><del>Videoconference</del> <del>Upon request of the candidates, the interview may be carried out by</del></p>
-----------------------------	---

	<p><del>interview</del></p> <p><del>videoconference. The form is available on "Videoconference interview and must be uploaded within the application deadline.</del></p> <p><del>Candidates wishing to take the interview remotely and failing to upload the appropriate form for videoconferencing within the application deadline, can send their request by email to <a href="mailto:dottorato.ambientovita@units.it">dottorato.ambientovita@units.it</a> up to 4 working days before the date of the interview, stating the reason for their late request.</del></p> <p><del>The Examination Panel will meet on 27 July 2020.</del></p> <p><del>The Panel may arrange with the candidate a different time for the interview.</del></p>
--	--

<b>SUPPLEMENTARY INFORMATION (following publication of the Notice of Competition)</b>	
8/7/2020	Interview by videoconference only