

**PhD Programme Table - 38th cycle**  
**NRRP “National Recovery and Resilience Plan” Call for Applications**



**Funded by the  
European Union**  
NextGenerationEU



ALMA MATER STUDIORUM  
UNIVERSITÀ DI BOLOGNA

Section “Available Positions and Scholarships” integrated on 19/07/2022

PROGRAMME’S NAME	<b>HEALTH, SAFETY AND GREEN SYSTEMS</b>
DURATION	3 years
PROGRAMME START DATE	01/11/2022 (DD/MM/YYYY)
LANGUAGES	English
COORDINATOR	Prof. Patrizia Tassinari ( <a href="mailto:patrizia.tassinari@unibo.it">patrizia.tassinari@unibo.it</a> )
RESEARCH TOPICS	<a href="#">Detailed list at the bottom of the present document</a>
PhD POSITIONS	3
ADMISSION PROCEDURE	Qualifications and research proposal evaluation Oral examination

**Available Positions and Scholarships**

Pos. n.	Financial Support	Description	Positions linked to research topics
1	<b>PhD Scholarship Ex M.D. 351/2022 - PA</b>	Funded by the EU - NextGenerationEU with funds made available by the National Recovery and Resilience Plan (NRRP) Mission 4, Component 1, Investment 4.1 (MD 351/2022) – Public Administration	Development of skills to support the formulation of public policies and the planning of decision-making processes and promotion activities regarding environmental quality and territorial resilience of settlement systems
2	<b>PhD Scholarship Ex M.D. 352/2022</b>	Funded by the EU - NextGenerationEU with funds made available by the National Recovery and Resilience Plan (NRRP) Mission 4, Component 2, Investment 3.3 (MD 352/2022) and by ZINI ELIO SRL	Analysis of the post- accident recovery procedures of road infrastructures
3	<b>PhD Scholarship Ex M.D. 352/2022</b>	Funded by the EU - NextGenerationEU with funds made available by the National Recovery and Resilience Plan (NRRP) Mission 4, Component 2, Investment 3.3 (MD 352/2022) and by Molino Spadoni Spa	Nutritional innovation and improvement of agri-food products

Applicants awarded with Ex M.D. 351/2022 or Ex M.D. 352/2022 PhD scholarships shall have specific obligations (i.e. mandatory research periods abroad and/or in a firm) during their PhD programme. For detailed information, refer to the Call for Applications, articles 1.2 and 1.3, and to the text of the law.

For any other eventual PhD positions, a 3-month research period abroad is mandatory.

**Admission Exams**

The admission exams detailed schedule shall be published **starting from July 12<sup>th</sup>, 2022:**

- on the [University website](#), selecting the relevant PhD Programme > “More information”, at the bottom of the page in the section “Notices”;

- on [Studenti Online](#) (select “summary of the requests in progress” > “see detail” and open the .pdf file at the bottom of the page). **No personal written communication will be sent to applicants.**

## Required and Supporting Documents to be attached to the application

All the documents listed below **shall be drawn up in English or in Italian**. In case of documents originally issued in any other language (e.g. identity document, qualifications), an official translation is required.

Only qualifications obtained **during the last 5 calendar years** shall be taken into consideration, except for the University Degree. The Admission Board will assess the relevance of the supporting documents to the PhD Programme.

REQUIRED DOCUMENTS	
<b>Identity document</b>	Valid identity document with photo (i.e. identity card, passport)
<b>Curriculum Vitae</b>	No specific CV format is required
<b>Degrees</b>	Documents attesting the awarding of the first and second cycle degrees, the exams taken and the marks obtained (see Art. 3 of the Call for Applications)
<b>Research proposal</b>	<p>Multi-annual research proposal, <b>in English or in Italian</b>, with special emphasis on the <b>activities to be completed during the first-year course</b>. The proposal must meet the following requirements:</p> <ul style="list-style-type: none"> <li>- <b>it cannot exceed 20,000 characters</b>, including spaces and formula possibly used. This figure does not include: the title of proposal, the outline, references and images (such as graphs, diagrams, tables, etc. - if present);</li> <li>- <b>it must include</b>: the state of the art; description of the proposal; expected results; articulation of the proposal and implementation times; outlining of the criteria meant to be used to assess the research results; references.</li> </ul> <p>The research proposal that successful applicants shall carry out during their PhD career may possibly differ from the one proposed at the application stage. This shall be defined together with the supervisor and approved by the Academic Board.</p>
SUPPORTING DOCUMENTS	
<b>Thesis abstract</b>	Abstract of the <b>second cycle degree thesis</b> . Graduands applicants may submit the draft of the thesis. Abstracts cannot exceed 5,000 characters, including spaces and formula possibly used. The above figure does not include: the title of the thesis, the outline, references, and images such as graphs, diagrams, tables etc.
<b>Reference letter/s</b>	<b>No more than 2 reference letters</b> signed by Italian or international academics and professionals in the research field, which do not form part of the Admission Board, attesting the suitability of the applicant and his/her interest in the scientific research. Letters shall be uploaded following the procedure detailed in the Call for Applications (Art. 3.2)
<b>Publications</b>	Lists of publications (i.e. monographs, articles on scientific journals), minor publications (conference papers, etc.), abstracts and posters presented during national and international conferences, etc.
<b>Other documents</b>	<ul style="list-style-type: none"> <li>- Postgraduate vocational training programmes relevant to the PhD Programme main research topics</li> <li>- Teaching activities carried out at academic level</li> <li>- Research activity of any kind - whether basic, applied, translational, etc. - carried out in any capacity, including when covered by research grants, and as a staff member of research projects</li> <li>- Documents attesting the applicant’s foreign languages proficiency</li> <li>- Periods of study abroad, completed by applicants outside their countries of origin (e.g. Erasmus programme or other similar mobility programmes)</li> <li>- Other qualifications attesting the suitability of the applicants (scholarships, prizes, etc.)</li> </ul>

## Evaluation criteria\*

Scores will be expressed in points out of 100, as follows.

### 1. Qualifications and research proposal evaluation

Minimum score for admission to the oral examination: 30 points, Maximum score: 50 points

<b>Qualifications evaluation</b>	Second cycle (Master's) degree final mark. Graduands shall be evaluated according to the Weighted Average Mark (WAM)	10 points max
	Publications	5 points max
	Other evaluable documents (Postgraduate vocational training programmes, research periods in reknown institutions, reference letter/s, other)	7 points max
<b>Research proposal evaluation</b>	Scientific value and ground-breaking nature of the proposal	20 points max
	Structure of the proposal	3 points max
	Proposal feasibility	5 points max

### 2. Oral examination

Minimum score for eligibility: 30 points, Maximum score 50 points

English language proficiency	10 points max
Research proposal presentation	30 points max
General knowledge of issues encompassed by the PhD Programme	10 points max

Oral examination aims to assess the suitability of the applicant for scientific research as well as the general knowledge of issues encompassed by the PhD Programme (see the list of [research topics](#) at the bottom of the present document).

**During the oral examination, the applicant's English language proficiency shall be assessed.**

The oral examination is carried out in Italian or in English.

\* Possible further evaluation criteria will be available on the [University website](#), selecting the relevant PhD Programme > "More information".

## Research Topics

The PhD programme has a strongly transdisciplinary character, aiming at meeting the growing demand from the social, productive and institutional context for researchers, decision makers and policy makers capable of systematizing the various scientific and professional domains in the field of **Health, Safety and Green Systems**. The PhD programme trains specialists in relation to specific thematic areas related to complex problems, aggregating - with a strongly integrated approach - disciplines and methodologies related to different scientific fields. In particular, with reference to concepts like urban health, health-focused green systems, promotion of physical activity, rehabilitation, better health and active living in urban environments, the PhD programme is clearly focused on sustainability issues, addressing various of the UN SDGs.

The central disciplines of the Phd are: medical and health profession sciences, botanical-pharmaceutical sciences, chemical extraction sciences, toxicology, phytocosmetical and nutritional sciences, agricultural sciences, architectural and civil and environmental engineering sciences, in their different articulations (food production and processing, production, management and design issues related to green systems and urban and territorial systems), and in their mutual relations. The PhD course thus consists of different complementary areas, developed cross-cutting the thematic clusters related to health, safety, and green systems: prevention and promotion of health and safety in the areas of living, working, caring, recreation and sociality; recycling of vegetable matrices for developing new products for the drug, phytocosmetics and food supplements industry; quality control of food supplements based on medicinal herbs or other raw materials; toxicity and safety of no-food supplements and environment; production, design and sustainable management of green areas; resilient cities; biodiversity and ecosystem services; spatial planning.