

Scheda di dottorato 37 ° ciclo – Bando PON “Ricerca e Innovazione” 2014 – 2020



UNIONE EUROPEA
Fondo Sociale Europeo



PROGRAMME'S NAME	SCIENCE AND CULTURE OF WELL-BEING AND LIFESTYLES
DURATION	3 years
PROGRAMME START DATE	01/01/2022
LANGUAGE	Italian, English
COORDINATOR	Carmela Fimognari (carmela.fimognari@unibo.it)
CURRICULA	N/A
RESEARCH TOPICS	Detailed list at the bottom of the present document
PhD POSITIONS	2
ADMISSION PROCEDURE	Qualifications and research proposal evaluation

Available Positions and Scholarships

Actions	Post o n.	Financial Support	Research Topic
Action IV.5 – “PhDs on green topics”	1	PhD Scholarship	Valorization of foodwastes for deployment in pharma/cosmetic/nutraceutical/packaging industries in a circular bioeconomy perspective
	2	PhD Scholarship	Psycho-physiological barriers to active mobility in the Italian population

Required and Supporting Documents to be attached to the application

(only documents in Italian, English, French, German and Spanish shall be considered as valid and be assessed by the Admission Board)

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 criteria listed in Art. 3 of the Ministerial Decree 1061/2021 (see also Art. 4 of the Call for applications).**

REQUIRED DOCUMENTS	
Identity document	Valid identity document with photo (i.e. identity card, passport)
Curriculum Vitae	No specific CV format is required
Degrees	Documents attesting the awarding of the first and second cycle degrees (see Art. 3 of the Call for Applications)
Research proposal	Multi-annual research proposal that the applicant proposes to carry out within the PhD programme. The proposal must meet the following requirements: <ul style="list-style-type: none"> - it must have a minimum length of 7,000 characters and a maximum length of 20,000 characters, including spaces and formulas, if present. This figure does not include: the title, the outline, references and images (such as graphs, diagrams, tables etc. - where present); - it must be written following the template provided for Action IV.5 “PhDs on Green topics “ The template is attached to the Call for Application and available for download on the University website.

SUPPORTING DOCUMENTS	
Publications	Lists of publications (i.e. monographs, articles on scientific journals), minor publications (conference papers, volume's chapters etc.), abstracts and posters presented during national and international conferences, etc..)

Evaluation criteria

The **results of the admission exams** will be available from **03/11/2021** 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 concerning the examinations results.**

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

Minimum score for eligibility: 60 points, Maximum score: 100 points

Minimum score for eligibility: 60 points; Maximum score: 100 points		
Qualifications evaluation	University degree final mark. Graduands shall be evaluated according to the Weighted Average Mark (WAM)	10 points max.
	Publications	10 points max.
Research proposal evaluation		80 points max.

Research Topics

n. 1 - GREEN

Thematic area SNSI 2014-20	Smart and sustainable industry, energy and environment Health, nutrition, quality of life.
PNR 2021-2027*	Green Deal 5.6. Food products, bioeconomy, natural resources, agriculture, environment
Project title	Valorization of foodwastes for deployment in pharma/cosmetic/nutraceutical/packaging industries in a circular bioeconomy perspective
Project description	The main goal of this research activity is the promotion of a circular economy perspective by recovering, reusing, and up-cycling the residual waste biomass from fruit and vegetable post-productions waste for high added value productions. This project therefore aims to foster and give value to agri-food by-products and waste (e.g. beans, peas, carrots, apples, lupins etc ..) of Fruttage production (https://www.fruttage.it), extracting and characterizing active chemical compounds (lipids, antioxidants, proteins, polyunsaturated fatty acids, pigments, biopolymers) with technological, nutritional and nutraceutical properties. New sustainable products with high added value from waste products will be developed, according to the sustainable goals of the circular economy, and placed on the market by pharmaceutical, nutraceutical (Valpharma https://www.valpharma.com), cosmetic and compostable environmentally friendly packaging companies.
Mandatory traineeship	6 months
Company type	Agri-food and Pharmaceutical Nutraceutical Cosmetics
Stay abroad	6 months

n. 2 - GREEN

Thematic area SNSI 2014-20	Digital Agenda, Smart Communities, Intelligent Mobility Systems; Health, Nutrition and Quality of Life
PNR 2021-2027*	Climate, Energy, Sustainable Mobility; Health
Project title	Psycho-physiological barriers to active mobility in the Italian population

Project description	Active mobility is a key component of sustainable mobility but only 43% of Italian adults use bicycles and/or walk for commuting and other activities. The aim of the project is to understand the psycho-physiological barriers (e.g. physical and mental fatigue, perception of effort and distance, cardiorespiratory fitness) that prevent active mobility in order to develop interventions to facilitate it and reach the national and European objectives in terms of sustainable mobility and physically active population.
Mandatory traineeship	6 months
Company type	Digital services for athletes, coaches, and fitness clubs
Stay abroad	6 months

*the translation of PNR 2021-2027 has been carried out by the PhD Unit.