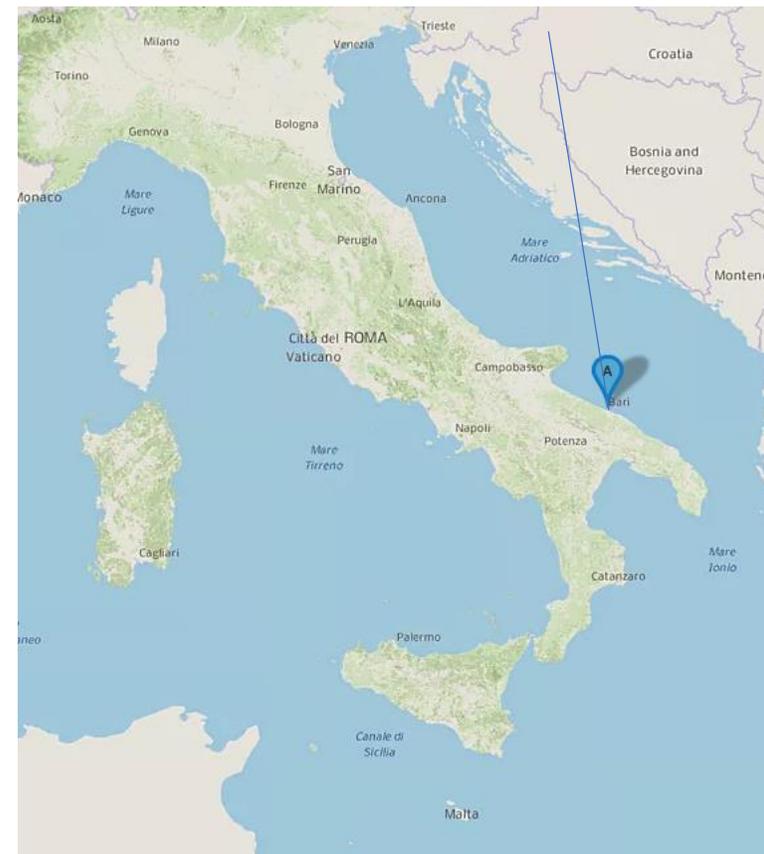




UNIVERSITY OF BARI ALDO MORO (UNIBA)

Via Amendola 165/A 70126, Bari, Italy

UNIBA is a HE and research public body, founded in 1924, covering all fields from basic to R&D, with approximately 50.000 students. It offers 58 BS, 81 MS, 53 specialization and 16 PhD courses. It is one of largest University in Italy and the second in the South of Italy.



UNIBA is constituted by 24 Departments





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UNIBA is constituted by 24 Departments (in 2010 Faculties have been suppressed)

~~Agriculture Faculty~~

Dept. of Soil, Plant and Food Sciences (DiSSPA)

Dept. of Agro-Environmental and Territorial Sciences (DiSAAT)

Jointly take care of undergraduate, graduate and postgraduate education in all agriculture, forestry and food technology fields with study programs projected to basic, applied and developmental studies, and to innovation transfer to the productive sectors, also by actively participating in professional collaborations.





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Via Amendola 165/A 70126, Bari, Italy

Dept. of Soil, Plant and Food Sciences (DiSSPA)

bachelor's degree (3 years): **Food Science and Technology I**; Viticulture and Enology (inter-University)

master's degree (2 years): **Food Science and Technology II; Plant Medicine; Biotechnologies for Food Quality and Safety**

Dept. of Agro-Environmental and Territorial Sciences (DiSAAT)

bachelor's degree (3 years): **Agricultural Science and Technology; Agro-forestry Environmental Science and Technology**; Viticulture and Enology (inter-University)

master's degree (2 years): **Agricultural and Environmental Sciences**





Teachers from both Dept., teaching Agriculture: ≈ 100

Teachers from both Dept., teaching courses related to Plant Protection: 25

Plant Pathology: 8. Entomology: 4. PPPs: 2. Agroforestry territory: 1. Genetic: 1. Oriculture and Floriculture: 2.

Agronomy, weed control, statistics: 3. Mechanics: 2. Economy and rural esteem: 1. General arboriculture and tree crops: 1.

Student number bachelor's degree (≈ 680)

1. Agricultural science and technology: ≈ 150 students first year and ≈ 100 in the following years;
2. Agro-forestry Environmental Science and Technology ≈ 30 students (*first year since activation*);
3. Food Science and Technology I 120 students first year and ≈ 90 in the following years;

Student number master's degree (≈ 230)

1. Plant Medicine ≈ 40 students I year and 26-30 in the second year;
2. Food Science and Technology II ≈ 70 students first year and 60 in the second year
3. Agricultural and Environmental Science ≈ 35 students (*first year since activation*);



WP1 General information about the PhD in Bari :

Title: *BIODIVERSITY, AGRICULTURE, AND ENVIRONMENT*

Duration: *3 years*

The PhD course is made by *5 curricula:*

- 1. Genetics and molecular and structural evolution***
- 2. Plant genetics and biotechnology***
- 3. Environmental sciences***
- 4. Agro-forestry engineering and plant production***
- 5. CROP PROTECTION***



WP1 General information about the PhD in Bari (Italy):

CURRICULUM 5. CROP PROTECTION

Total ECTS= 18 (+ 2 ECTS FOR SEMINARS)

1 ECTS = 10 h in-class study hours (6 Lectures + 4 Lab & field cl.) out-of-class study hours 15

11 Courses are mandatory; seminars and other suggested courses are facultative



11 Courses are mandatory;

Courses common to the 5 curricula (first semester, first year):

- **Safety and management of research lab hazards** (1 ECTS credits), prof. Franco Nigro;
- **Bioinformatic applications to characterize beneficial and harmful entities**(2 ECTS); this course is shared with PhD in “Soil and food Sciences”;
- **Statistics applied to biosciences** (2 ECTS); this course is shared with PhD in “Soil and food Sciences”
- **Project management** (1 ECTS); this course is shared with PhD in “Soil and food Sciences”
- **Communication of science and scientific writing** (2 ECTS);
- **Valorisation of research results** (1 ECTS);
- **English language** (intermediate and advanced), (4 ECTS); this course is shared with PhD in “Soil and food Sciences”
- **Seminars by Italian and foreiner researchers** (1 ECTS).

Specific courses specific for curriculum “Plant Protection” (second semester, first year):

- **Methods to assess plant reactions to diseases** (1 ECTS) ;
- **Laboratory on plant disease symptom studies** (2 ECTS) prof. V.N. Savino;
- **Advanced diagnostic techniques in Plant pathology** (3 ECTS), dott.ssa G. Loconsole.



WP1 General information about the PhD in Bari :

CURRICULUM 5. PLANT PROTECTION

Total ECTS= 18 (+ 2 ECTS FOR SEMINARS)

1 ECTS = 10 h in-class study hours ((6 Lectures + 4 Lab & field cl.) out-of-class study hours 15

11 Courses are mandatory; seminars and other suggested courses are facultative

c) Structure (number of credits, number of obligatory and elective courses, research work)

d) Learning outcomes of the study programme

Mettere i curricula ma approfondire solo quello nostro...

e) Compliance with the European Qualification Framework (if the country adopted EQF rules (see more at the link <https://ec.europa.eu/ploteus/en/content/descriptors-page>)



ΓΕΩΠΟΝΙΚΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΑΘΗΝΩΝ



Courses of general importance for the study program

a) List of the courses: 1) Genetics and Molecular and Structural Evolution (Scientific Subject Code: BIO/18) 2) Genetics and Plant Biotechnology (Scientific Subject Code: AGR/07) 3) Environmental Sciences (Scientific Subject Codes: BIO/04, BIO/05 and BIO/07) 4) Agroforestry Engineering and Plant Production (Scientific Subject Codes: AGR/03, AGR/04, AGR/05, AGR/08, AGR/10) 5) Crop Protection (Scientific Subject Codes: AGR/11 and AGR/12)

b) For each course: course description, learning outcomes, number of credits



List of already completed PhD thesis

1. Plant viruses as a tool for functional genomics in *Phytophthora infestans*. PhD R. Labarile; Prof. D. Gallitelli
2. *Xylella fastidiosa* 'De Donno' strain: pathogenicity, genetic diversity and insights into host-pathogen interaction. PhD G. D'attoma; Prof. V.N. Savino
3. Postharvest pathogens of pomegranate fruit in Southern Italy: characterization, detection, host interaction, and control. PhD A. Mincuzzi; Prof. A. Ippolito
4. Comparative studies on fitness, mating system, and transcriptomes in brown rot pathogens. PhD D. Labbate



List of already completed PhD thesis

5. *Zelus renardii* (Herptera Reduviidae) a candidate for biocontrol of Aphrophoridae vectors of *Xylella fastidiosa* pauca ST53;
6. Bio-ecology of *Colomerus vitis* (acari: *Eriophyidae*) and its involvement in the transmission of GPGV (grapevine pinot gris virus);
7. Etiology, biology and pathogenicity of the fungi causing olive anthracnose. PhD I. Antelmi; Prof. F. Nigro
8. Intraspecific and interspecific interactions of flat-headed root borer: *Capnodis tenebrionis* (L.). PhD Vita Garzone; Prof. E. De Lillo
9. Epidemiology, characterization, and control of citrus-associated *Alternaria* species. PhD F. Garganese; prof. A. Ippolito



ΓΕΩΠΟΝΙΚΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΑΘΗΝΩΝ

