



UNIVERSITÀ  
DEGLI STUDI DI BARI  
ALDO MORO



# MEDICINA *DELLE* PIANTE

international joint master of science  
P L A N T M E D I C I N E

Department of Soil, Food and Plant Sciences





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## Specialist in Plant Medicine “Plant Medico”

integrates all different skills and competences needed for diagnosing and solving plant health problems, apply Good Agricultural Practices and innovative and IoT methodologies with the goal of keeping crops and plant products healthy and, thereby, ensuring the safety for the environment, growers and consumers alike, food security, safety and quality, as well as waste reduction, by coupling economics and ethics in a sustainable crop management and protection



**Plant Medico dr. Cosimo  
Fumarola**

Field trial assistant



**Duration:** 2 years, 4 semesters

**Language:** Italian, English in tutorial activity

**ECTS:** 120 (90 associated to all the didactic activities including the “Learning activity student' choice”, 3 CFU/ECTS reserved to the “Further skills to facilitate the entrance into the work world”, and 27 associated to the research project work for master thesis)

**Application deadline:** July 15<sup>th</sup> to November 30<sup>th</sup> extended for degreed students up to March 31<sup>st</sup>

**Fees and scholarships:** financial support including tax benefits, scholarships, study and degree awards, extraordinary grants and exemptions are provided

**Start:** September 28<sup>th</sup> 2020



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## Teaching activity

- classroom lectures in presence and on-line
- technical-practical activities in lab, experimental fields, farms, packing house, companies, research center, private laboratories
- seminar, webinar, discussion of study-cases, problem solving activities, brain storming meeting with job and research experts
- individual study and on-demand tutoring activity in presence and on-line



# ADMISSION REQUIREMENTS

- First degree (Bachelor) or a recognized foreign qualification usually equal to a 3-year full-time undergraduate (180 ECTS). Applicants having an Italian first degree in the belonging to the L-25 (Agricultural Sciences and Technologies) are directly admitted
- at least 59 ECTS in several fundamental academic disciplines or acquisition of them according to didactic regulation
- Positive outcome at test for personal knowledge assessment if certified degree mark lower than 90/110 or equivalent



**Plant Medico: Michele, Gabriella, Federica,  
Angela, Francesco, July 24th 2020**



# Acquired skills and competence

- plant harmful associated organisms (pathogens, parasites, weeds), their ecology and bio-ethology, disease aetiology and epidemiology
- abiotic diseases and their control
- identification of plant diseases, parasites, weeds, and associated organisms under field conditions
- methods and technologies available for the diagnosis of biotic and abiotic diseases and the identification of pathogens, parasites, weeds, and associated organisms
- technical tools, natural, synthetic and biological Plant Protection Products (PPPs) used for the integrated and biological protection of plants and their products
- innovative approaches to protection of crops and their produce aimed at improving qualitative, quantitative, hygienic and sanitary aspects of plant-derived food and no-food products
- methods and technologies for the production, preservation and use of sanitarily- and genetically-improved plant propagation materials
- influence of crop management practices and agro-ecosystem components on plant pathogens, parasites, weeds and associated organisms

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Plant Medico dr. Giovanni Digioia Wheat junior breeder – research and develop



Plant medico dr. Marisa Rotolo - Technical Field marketing



Plant Medico dr. Antonio Alò Phytosanitary inspector



Plant Medico dr. Flavia Nigro Orchard Programmes Officer

# Job opportunity

Freelance Plant medico and crop consultants for food and no-food farms

Public Administrations (e.g. National and Regional Phytosanitary Services, Ministry of Agriculture, National Plant Certification Service, Technical Services of Local and Territorial, School)

Companies working on nutrition and plant protection products

Packing house, Logistic, GDO, large retailers

Laboratories on diagnosis

Seed and nursey companies

Smart companies working on IoT in agricultures

Private and public research center



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## Course location

University of Bari Aldo Moro  
Via Amendola 165/A  
70126 Bari -Italy

### Course coordinator

Professor Francesco Faretra  
mdp.disspa@uniba.it

### More information at:

<https://www.uniba.it/ricerca/dipartimenti/disspa/english/courses/clm-mdp>

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INTERNATIONAL YEAR OF  
**PLANT HEALTH**

2020