



# Academic Master: APPLIED PHYTOPHARMACY

## الصيدلة النباتية التطبيقية : ماستر أكاديمي



Outlet

**Objectives:** To train high-level scientific executives capable, upon completion of their training, of:

- To identify, diagnose and resolve phytosanitary problems
- To develop active research to find molecules and formulate products effective against crop enemies
- To integrate and optimize the use of phytosanitary products in integrated crop protection.
- To understand and respond effectively to phytosanitary and environmental problems whenever they arise.
- Have a good knowledge of the regulatory aspects of the plant health sector and the approval of phytosanitary products
- Training managers and operators in good business practices are essential components of the objectives of this training on.



Access conditions

This master's degree is open to all candidates holding a bachelor's degree in plant protection, plant production or equivalent diploma.

-INRA; National Institute of Agronomic Research  
-INPV: National Institute for Plant Protection  
-Agricultural Services  
-Department National and international phytosanitary firms  
-ITAFV (Technical Institute of Arboriculture and Vine)  
-Private and collective agricultural exploitation Study and consultancy office  
-Hygiene service  
-Phytosanitary inspection at ports

### Advantages

High-level supervision  
The master's degree is supported by research laboratories  
Company internships  
Continuation of training in scientific research with a Doctorate in Plant Protection



Semester II

Semester III

### Training process

Semester I

Semester IV

Fundamental EU
UEF1(O/P): Phytopharmacy I
Chemical pesticides
Biochemistry and mode of action of pesticides
UEF2(O/P) Phytosanitary problems I
Phytosanitary management of weed populations
Phytosanitary management of plant pests
Methodology EU
Computer science and analytical methods
Biopesticide and biological control
Discovery EU
Scientific English
Transversal EU
Communication

UE fondamentales
UEF1(O/P): Phytopharmacy II
Analytical Chemistry
Ecotoxicology
UEF2(O/P) Problèmes phytosanitaire II
Phytosanitary management of plant nematodes
Phytosanitary management and bioecology of animal pests
Methodology EU
Biosecurity
Residue Analysis
Discovery EU
Research Methodology
Transversal EU
Phytosanitary legislation

UE fondamentales
UEF1(O/P) : Phytopharmacie III
Phytosanitary risk analysis
Toxicology
UEF2(O/P)
Formulation and packaging of plant protection products
Design and development of biopesticides
Methodology EU
Methods of phytosanitary inspection and control
Experimentation related to chemical treatments
Discovery EU
Socioeconomic and health aspects of chemical control
Transversal EU
Entrepreneurship

Seminars;  
Study Days,  
Conferences  
Company  
internship  
leading to a  
dissertation  
and defense

### List of speakers

Université Mustapha Stambouli Mascara  
Pr RIGHI ASSIA F., Pr. RIGHI K., Pr ELOUSSI M., Pr. BOUHADDA Y., Pr. FERGOUG T., Pr. HARIZIA AEK, Dr. TALEB M, Mme SIMOUSSA L, M. Dr. CHAMI A, Dr. CHAA M, Dr. BELKHOUDJA H, FREHA Mohamed, BENHASSANE M A.; SEGHIER Merzak, Dr BOUKHARI Y,

### Training manager

Professor RIGHI ASSIA F  
University of Mustapha Stambouli Mascara  
Faculty of Nature of Sciences and Life  
Department of Agricultural Sciences  
Laboratory for Research on Biological and Geomatic Systems  
Email :

Des autres établissements:

Pr KHELIL A M, Pr BOUHRAOUA T (Univ Tlemcen)  
MOUKABLIA, (Univ Khemiss Meliana),  
MEBANIO (INPV Mascara), ....