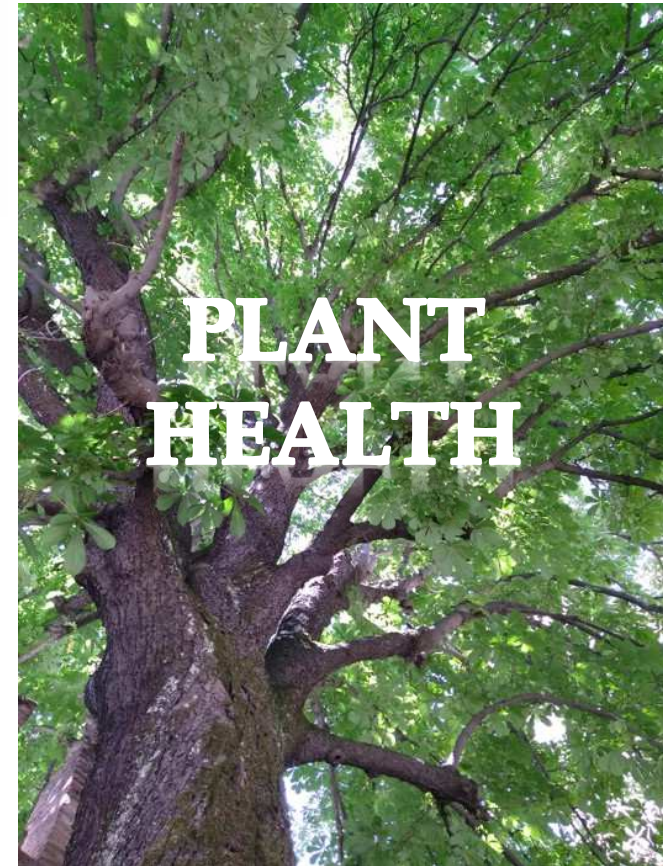




*Our joint effort to the promotion of **PLANT HEALTH** concerns the design of strategies for (i) the control of plant parasites, (ii) the enhancement of new agronomic practices and plant nutrition approaches to reduce the impact on ecosystems, (iii) the selection of new varieties more resistant to (a)biotic stresses and (iv) the implementation of sustainable agricultural policies*



ALMA MATER STUDIORUM  
UNIVERSITÀ DI BOLOGNA  
DEPARTMENT OF  
AGRICULTURAL AND FOOD SCIENCES



**CONTACTS**  
[distal.ricerca@unibo.it](mailto:distal.ricerca@unibo.it)  
[www.distal.unibo.it](http://www.distal.unibo.it)



DIPARTIMENTO  
DI ECCELLENZA  
MIUR

## OBJECTIVES

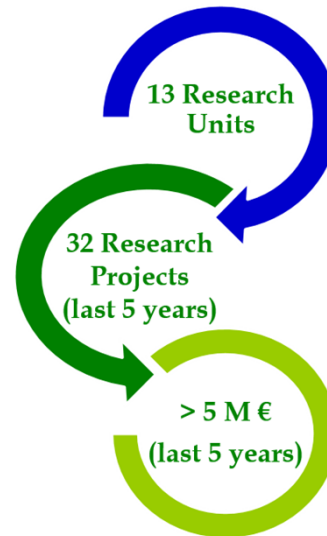
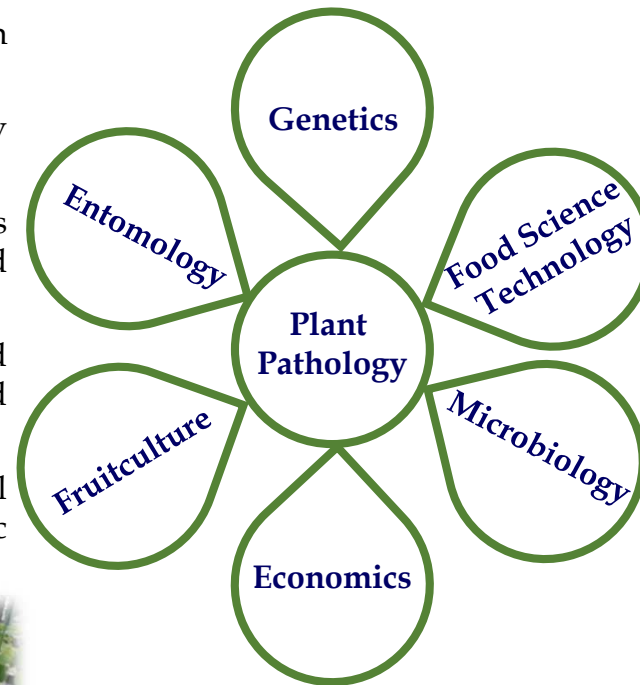
- Improvement of welfare and protection of crops towards (a)biotic stresses
- Enhancement of functional biodiversity for pest control and pollination
- Identification of genes for stress resistance suitable for marker-assisted selection in cereals
- Management of pesticides, cultivars and fertilizers in a more sustainable and climate-resilient way
- Eco-friendly management of arboreal infrastructures in anthropic environments



## LABORATORIES

Thermal cyclers, Biolog Phenotype Micro Array, Gas chromatography (UHPLC-DAD, HPLC-UV-Vis/FLD, UHPLC-MS/MS, Fast GC-FID, Flash GC), Scanning & transmission electronic microscope, Microplate spectrophotometer, Shigometer, Electric tomograph, GIS and Spatial analysis, Econometric analysis, Phytotrons, Climate rooms, Greenhouses

## UNITS



**CONSULTANCY AND THIRD PARTY ACTIVITIES REGULATED BY FEES**

## EXPERTISE

- Setting up of diagnostic techniques for phytosanitary certification
- Plant disease control using natural substances alternative to synthetic products
- Genotypic and phenotypic characterization of plant health promoting bacteria
- Epidemiology of pathogens transmitted by insects and ecotoxicology of beneficial insects
- Pheno and geno-typing of plants for resilience to climate change and plant diseases
- Metagenomic techniques applied to rhizospheric microbiota
- Agro-ecology and management of the agricultural landscape
- Analysis of public goods and environmental issues
- Design and sustainable management of urban green infrastructures

