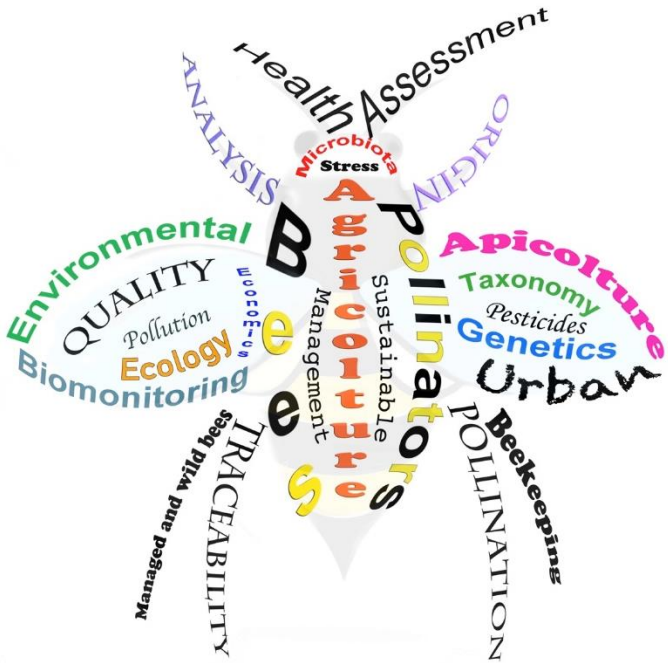
The thematic network in "Apidology and Apiculture" deals with the technical and socio-economic aspects of beekeeping and aims to develop methods and strategies to improve bee health.
This network also aims to study the interconnections between the environment and the managed and wild bees



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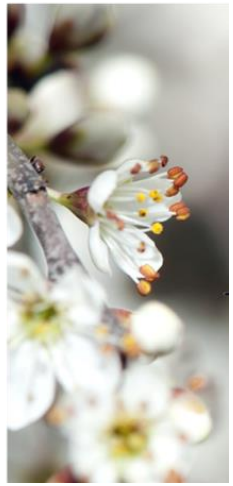
Apidology and Apiculture



DEPARTMENT
AGRICULTURAL AND FOOD SCIENCES - DISTAL

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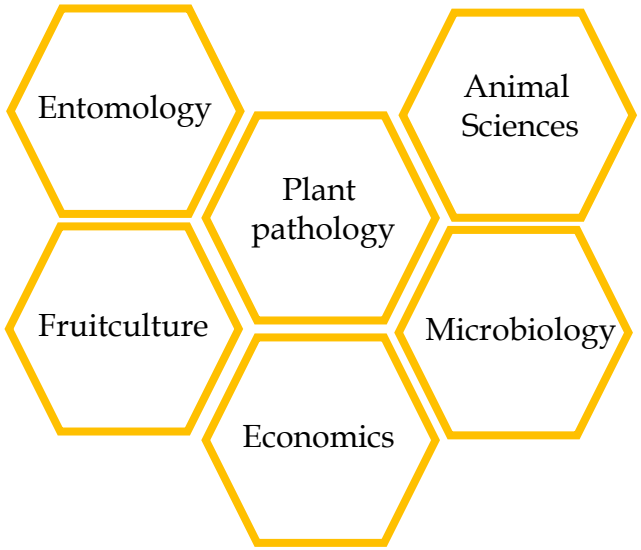

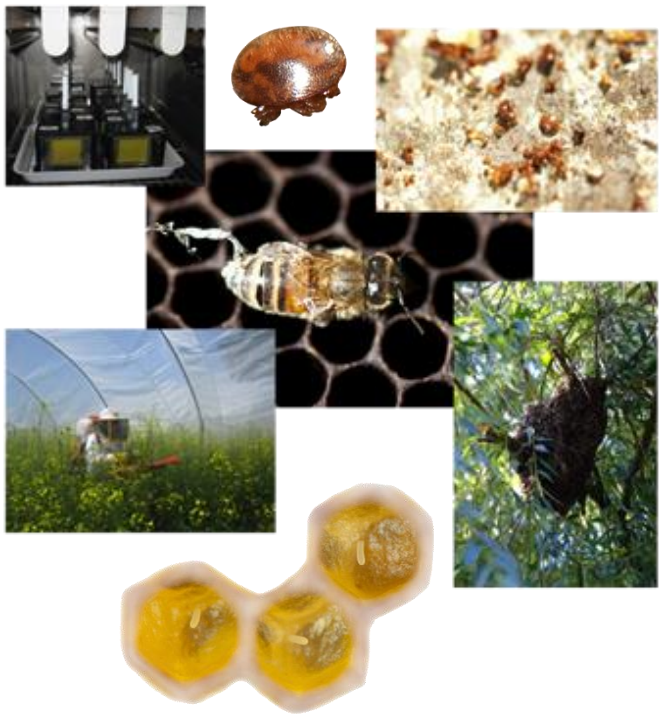

EXPERTISE

- Taxonomy of bees (sensu Apiformes).
- Honey bee genetics.
- Genomics, bioinformatics and computational biology.
- Application of probiotics and prebiotics to enhance bee health.
- Analysis of gut microbiota communities of managed and wild bees.
- Sustainable management of pollinators in the agro-ecosystems.
- Organization and data analysis for Bee Monitoring Network.
- Urban beekeeping.
- eDNA analysis using honey bees and honey bee products.
- Bee ecotoxicology and risk assessment.
- Use of bees as bioindicators of environmental pollution.
- Use of bees as carriers of biocontrol product agents.
- Pollination ecology and crop pollination.
- Role of pollen and pollination in the transmission of plant pathogens.
- Honey authenticity and traceability.
- Economics of public goods and environmental issues.

RESEARCH OBJECTIVES

- Genetic characterization of managed and wild bees.
- Studying technical and socio-economic aspects of beekeeping, with the characterization and authentication of honey bee products.
- Improving the health status of managed and wild bees.
- Promoting the use of bees as pollinators, as environmental bioindicators, as carriers of biocontrol product agents.
- Assessing the impact of environmental stressors on bees.