

Applied entomology for agri-food sustainability

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[Catalogo delle Competenze](#) e [Progetti e Contratti di Ricerca](#)

RESEARCH ACTIVITY

- ❖ Biological control and sustainable management of pest species in agroecosystems and in different agri-food contexts.
- ❖ Circular economy through bioconverting insects: valorization of organic waste to obtain products with high added value useful for industrial purposes in the agri-food (food/feed industry, agricultural uses such as high quality fertilizers, etc.) and biomedical (biomaterials for various purposes) sectors.
- ❖ Identification and management of insects which, at different levels of the production chains, can attack: plants and their parts; foodstuffs of vegetal or animal origin; wood (structural and/or manufactured), paper and derivatives; fibers and materials of animal origin and derivatives (wool, silk, leather, hides).



OFFERED SERVICES

- Consultancy for projects on **INSECTS AS RESOURCES** useful in the **VALORIZATION** of organic waste from agri-food chains
- Design, testing and development of **INNOVATIVE SOLUTIONS** for the **SUSTAINABLE MANAGEMENT** of insects in agricultural and urban environments
- **IDENTIFICATION** of pests from raw material samples
- Commodity and urban **FORENSIC ENTOMOLOGY** services for agri-food chains, artefacts and structures in wood, fibers and materials of animal and plant origin
- **MASS BREEDING** of insects for targeted experimental tests (black soldier flies, stored food pests, brown marmorated stink bugs, egg and pupal parasitoids)