



UNIVERSITÀ  
DEGLI STUDI DELLA  
TUSCIA



## Dipartimento per la Innovazione nei sistemi Biologici, Agroalimentari e Forestali (DIBAF)

LAISA -TECH Lab: Integrated Tree-Cropping System Analysis with Advanced Technologies  
Lab



**Viterbo**

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# LAISA -TECH Lab: Integrated Tree-Cropping System Analysis with Advanced Technologies Lab

## Strumentazione e Analisi

- Microclimate sensors for field characterization (temperature, humidity, light levels, wind speed, and soil moisture);
- Platform for real-time data;
- Soil sampling tools
- Physiological non-destructive technology for monitoring health of plants (water status, nutrient levels, photosynthetic activity, and stress responses) like remote sensing, imaging, spectroscopy, and sensor-based measurements.



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## Linee di ricerca

- Integrated Monitoring of Tree-based cropping systems;
- Biodiversity and Ecosystem Services Evaluation;
- Site-Specific Tree-based cropping systems management;
- Sustainable production and conservation practices;
- Exploring new technological solutions for monitoring and managing natural resources;
- Climate Change Impact Assessment: Studying how climate change affects Tree-based cropping systems and production dynamics.



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## Personale

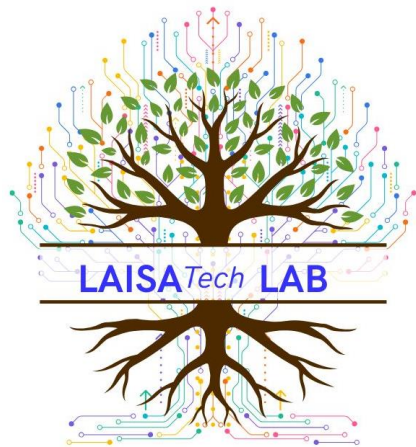
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