



KEY-WORDS:
COVER CROP · REGENERATIVE
AGRICULTURE · FARM – TO – FORK
STRATEGY

PROFILE

I am a second-year PhD student in Crop Science specialized in Agronomy.

AFFILIATION

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LANGUAGES



Mother language



Level B2

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PROJECT TITLE

Regenerative agriculture & Farm-to-Fork strategy: resilient farming practices towards sustainability – competitive agroecosystem

Steps of the research

- Enhancing soil quality through cropping strategies and mixed farming systems to introduce, calibrate, and test novel soil-crop management systems aimed at enhancing soil quality and functions, nutrient cycling, and plant-soil interactions;
- associated direct or indirect carbon sequestration, emissions of GHGs and pollutants to assess the effects of selected practices and technologies on the potential of soil to sequester carbon and mitigate GHG emissions.

Main Results

A set of potentially successful practices have been identified, differently selected and combined together into specific farming systems approaches.

Research Contribution

Increasing the understanding of soil management effects on soil quality by improving food production potential and guaranteeing long-term food security. Optimise effluents-derived nutrients, and technical inputs in a changing climate. Highlight the performance of innovative agroecological systems in order to control the adverse impacts of agriculture by mitigating GHGs emissions and enhancing carbon sequestration.

Why should you care?

Cover crops are now used in increasingly sustainable agriculture that is careful to preserve the soil resource in all its aspects, but also because the benefits brought by them to the next cash crop are well known.

What enormous benefits would we have if we could find the right ratio of legume and non-legume species in a mix?