



KEY-WORDS:
EPIDEMIOLOGY · BCAs · CONTROL OF
PLANT DISEASES

PROFILE

I am a third-year PhD student in Sustainable Crop Production specialized in Plant Pathology. I am working with an international group, improving my knowledge in advanced technologies for the alternative control of plant diseases on some important crops

AFFILIATION

Department of Sustainable Crop Production (DI.PRO.VE.S.)
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LANGUAGES



Mother language



Level B2

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PROJECT TITLE

New approaches to the biocontrol of plant diseases

Steps of the research

- Analysis of the environmental conditions favoring the efficacy of biocontrol agents (BCAs) through laboratory and field tests.
- Understanding the relationships between BCAs and plant pathogens (e.g., *Botrytis cinerea*, *Fusarium* spp.).
- Development of more efficient strategies for disease control with BCAs.

Main Results

Identification of new strategies to control plant diseases using BCA-based products.

Research Contribution

New methods of application of BCA-based products will be identified and defined, in terms of technical positioning of the products for the management of plant diseases. The main objective is to increase the effectiveness of BCAs and reduce the use of chemicals.

Why should you care?

Nowadays, the use of BCAs is considered a promising alternative to chemical fungicides for the management of plant diseases. However, BCAs often show lower efficacy and higher variability in control compared with chemicals. To overcome this limitation and improve their efficacy, further studies are needed as part of an integrated management approach.