

Biancamaria Senizza



KEY-WORDS:
 PLANTS · CLIMATE CHANGE ·
 BIOSTIMULANTS

PROFILE

I am a second-year PhD student in agricultural chemistry.

AFFILIATION

Department of Sustainable food process (DiSTAS)
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LANGUAGES



Mother language



B2

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PROJECT TITLE

Use of biostimulants to counteract the stresses related to climate change in plant

Steps of the research

- Select those biostimulants better promote the plant's growth under different and combined stress related to climate change (heat and drought).
- Explore the plant physiological changes.
- Investigate the plant responses and metabolisms in response to abiotic stress.
- Inspect the microbial populations of the rizosphere and the interactions with other organisms.

Main Results

The effective beneficial effects of the biostimulants application in plants growth and development due to the accumulation of those compounds which improve tolerance mechanisms against either biotic and abiotic stress.

Research Contribution

Choosing the most efficient biostimulant will increase the crop performances in response to environmental challenges.

Collaborations

Università degli Studi di Milano Statale

Why should you care?

The improvement of sustainable farming has become one of the major goal in agriculture, in particular find new methods that can raise crops productivity and quality and also safeguard the environment.