

# Marco Armando De Gregorio

UNIVERSITÀ CATTOLICA del Sacro Cuore



KEY-WORDS:  
STRESS · CLIMATE CHANGE-  
BIOSTIMULANTS

## PROFILE

I am a second-year PhD student In Plant science specialized in Plants metabolomics. Several Years of experience in the field of the molecular biology let me flexible and have multidisciplinary knowledge to spend in the field of the sustainable agriculture.

## AFFILIATION

Department of sustainable food production (DISTAS)  
Università Cattolica del Sacro Cuore

## LANGUAGES



Mother language



Level B1

## HOW TO REACH ME

Email Address:  
Marcoarmando.degregorio@unicatt.it

## Reference Contact

Prof. Luigi Lucini

## PROJECT TITLE

**Biostimulants-mediated crops resilience to climate change**

### Steps of the research

- Characterization of Plants.
- Explorer the plant physiological changes.
- Investigate the plant responses and metabolisms in response to abiotic stress.
- Select those biostimulants better promote the plant's growth under different and combinate stress related to climate change

### Main Results

Method setup and assay development studies are currently underway. Preliminary experiments on lettuce plants are in progress to select in future the best biostimulants that capable to reduce the effect of abiotic stresses.

### Research Contribution

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

### Collaborations

Selcuk University  
Prof. Gokhan Zengin

### Why should you care?

The increase in world population and the awareness of the population about the importance of food quality and related the environmental impactare such important topic snowadays.We are facing a great challenge for farmers that need new effective products, with zero environmental impact, able to meet the food demands.