# Ghada Arbi

## PROFILE

I am a first-year PhD student in Agricultural Chemistry
at Department of Agricultural and Food Process

## AFFILIATION

Department of Agricultural and Food Process
Università Cattolica del Sacro Cuore

## LANGUAGES

Arabic  Mother language
Frensh
English
Italian

## HOW TO REACH ME

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## Reference Contact

Prof.  P. Nicoleta Alina SUCIU

## PROJECT TITLE

**« Soil and food quality in vegetable gardens of the metropolitan area of Naples, Healthy Soil for Quality Food »**

### Steps of the research

- Study sites selection in the metropolitan area of Naples
- Assessment of soil fertility and enhancement of its sustainability
- Appraisal of irrigation water quality
- Crop cultivation and assessment of food safety and quality
- Integrated environmental and human health risks assessment

### Main Results

The overarching objective of this project is to develop an innovative approach enabling soil and food of high quality in vegetable gardens of the metropolitan area of Naples, able to foster sustainable use of resources, to enhance food safety, and to predict and manage environmental and health risks.

### Research Contribution

**Proper attention and adequate monitoring of quality of urban soil, water and environment, as well as of food safety and nutritional traits. To minimise the risk of food chemical contamination, it is important to identify the potential sources or pathways of contamination and then develop systems or strategies to minimise the environmental and health risks during production and distribution of food crops.**

### Collaborations

University of Naples Federico II
DR.Antonio Giandonato Caporale, Associate Professor

## Why should you care?

Urban agriculture carries health and environmental risks, because of a potential use of contaminated land and water. It is important to identify the potential sources or pathways of contamination and develop systems or strategies to minimise the environmental and health risks during production and distribution of food crops.