

I SEMINARI DEL DOTTORATO in  
SCIENZE E BIOTECNOLOGIE AGRARIE, ALIMENTARI E  
AMBIENTALI

# Reducing nutrient inputs to increase plant- microbe interactions and managing soil

Plant-growth promoting microbes (PGPM) are a viable alternative to traditional fertilizers for enhancing plant productivity and improving soil quality without environmental pollution. The aim of my project is to investigate this tripartite, PGPM-plant-soil microbiome interaction in relation to plant quality and productivity using state-of-the-art 'omics' and bioinformatics approaches to investigate facilitation (positive interactions) and competition (negative interactions) between PGPM and resident soil microbes in the Chrysanthemum production system.

**Relatore:**

Cristiana Rotondi

MSc Degree in Agricultural and Environmental Biotechnologies from the Department of Agricultural and Environmental Sciences - University of Perugia (Italy) in October 2018. PhD candidate at the Microbial Ecology Department of the Netherlands Institute of Ecology (NIOO-KNAW) and part of the Ecology and Biodiversity group at Utrecht University (UU).

**Moderatore:**

Benedetta Turchetti

Ven **14**

Maggio/21

ore **10:30**

**l'incontro si svolgerà sulla  
piattaforma Teams**

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