Biocontrol of soilborne pathogens

Topic MSc thesis

Observation: We have identified consortia of compost microbes with biocontrol activity on cress against *Pythium ultimum*.

Questions: How do these bacteria protect the plants?



Soilborne diseases kill seedlings.



Compost can protect them.

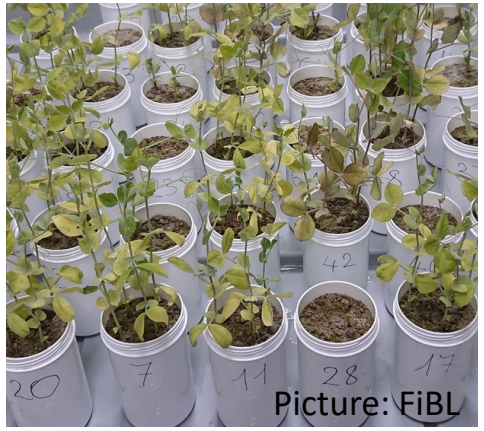


Consortia of compost microbes can have disease suppressive activity.



- *You* could unravel which microbes have biocontrol activity and in which combination and you could try to identify the underlying mechanisms.
- *You* could also test whether negative interactions of pathogens and future climate on plant health could be mitigated by biocontrol/ compost.

Alternative: Biocontrol of pea root rot diseases with microbes associated to resistant old varieties.



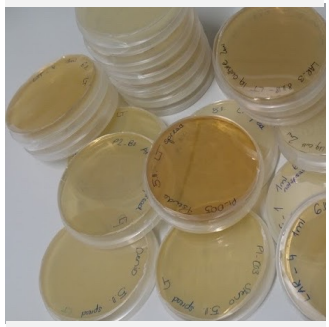
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Plant pathogens



Growth chambers



Microbiology