



Seminar

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Microbe-microbe and plant-microbe chemical communication

Chemical interactions and communication contribute greatly to an ecosystem's functioning and stability. Hence, the understanding of belowground inter-kingdom (bacteria, protists, fungi, plants) chemical interactions is crucial for assessing the functioning of a soil ecosystem. Plant- and microbe-derived compounds play an important role in belowground interactions, e.g. in signalling and interference competition. Both plants and microorganisms produce and secrete a wide variety of primary and secondary metabolites including volatile and non-volatile compounds. In my talk, I will present recent discovery of the ecological role of volatile compounds in long-distance belowground plant-microbe interactions as well as the effect of interactions on secondary metabolites production.

Room 6302 – Palazzo della ricerca e della conoscenza
February, 13th, 2019 – 09:00-10:00



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