

# The dark side of plant communication: Measuring volatiles in the soil

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Plants produce many volatiles serving as cues in the communication with other organisms. This concept is well established for aboveground food webs. Measuring belowground produced volatiles poses a greater challenge. Proton-Transfer Mass-Spectrometry (PTR-MS) can 'snif out' belowground volatiles, but how can we 'dig deeper' using other approaches?