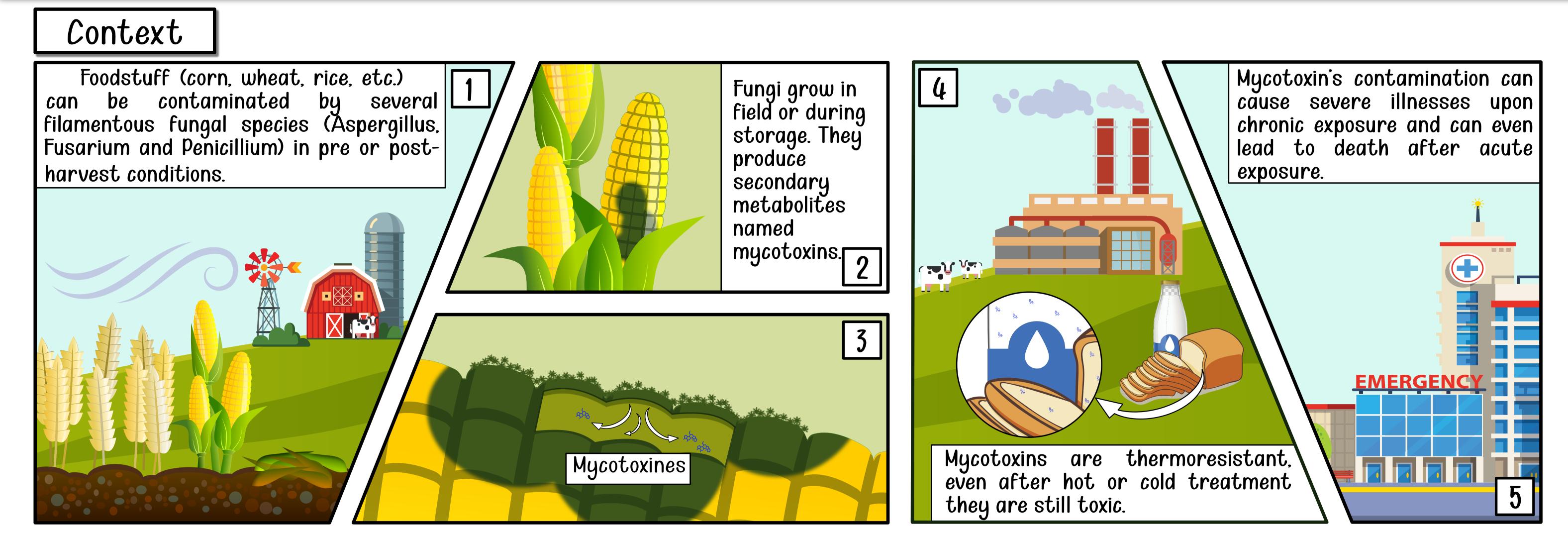
Can fungal volatile organic compounds be used to develop aflatoxin-specific sensors?

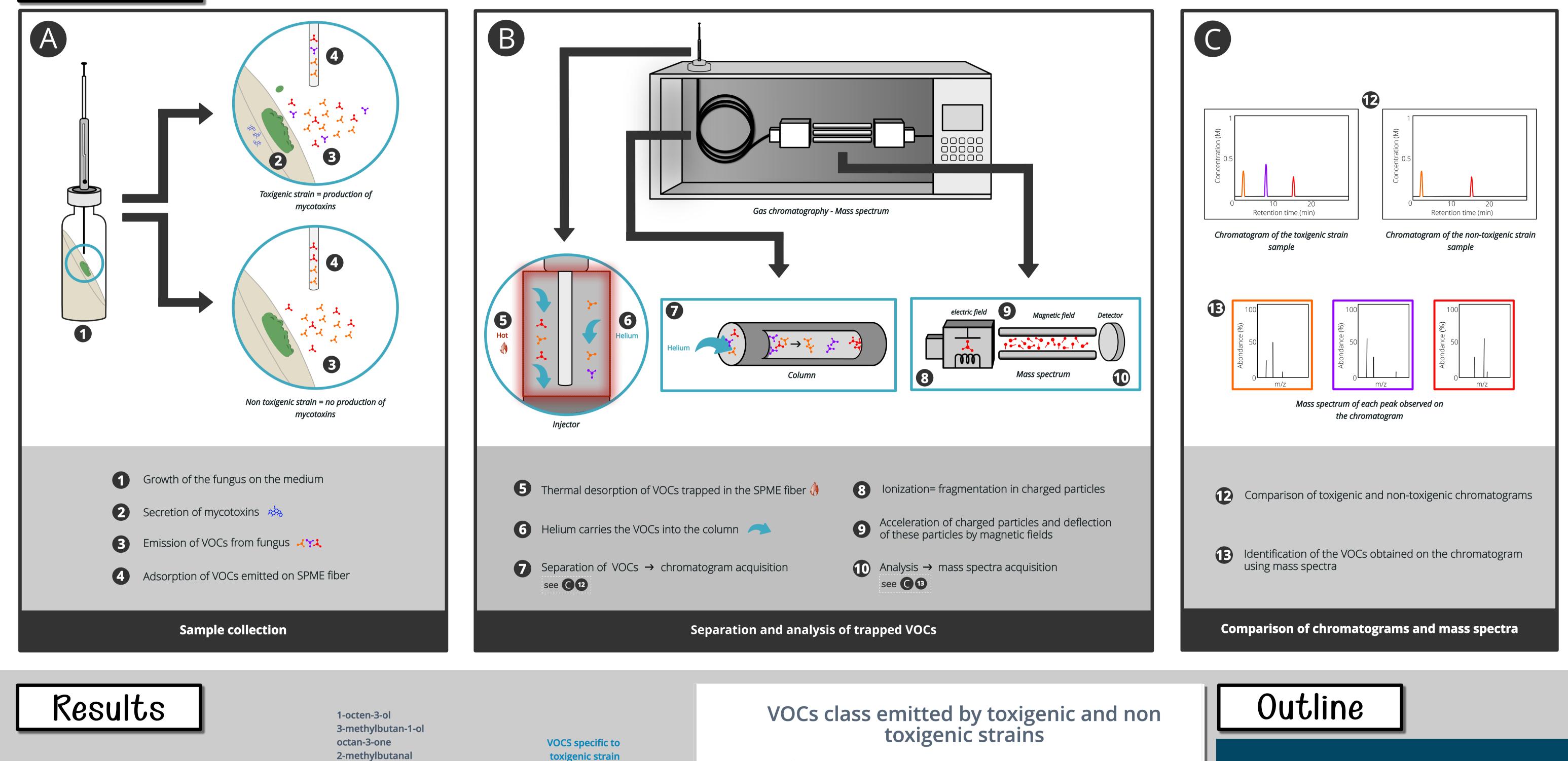
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Objective

For the moment, mycotoxins are analyzed by HPLC-MS/MS a long, expensive and descructive method. The purpose of the present work is to **identify volatile organic compounds** (VOCs) markers that are produce together with **mycotoxins** by the fungi in order to develop specific sensor.

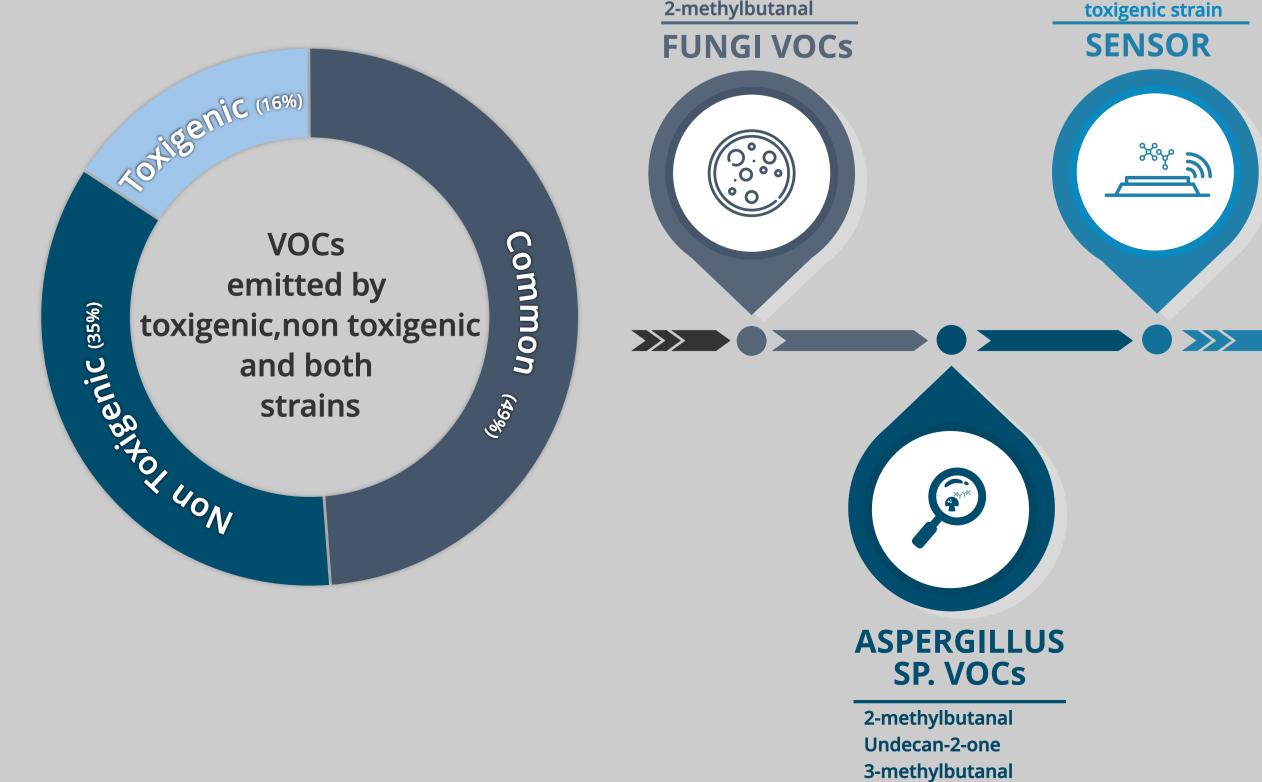
Method

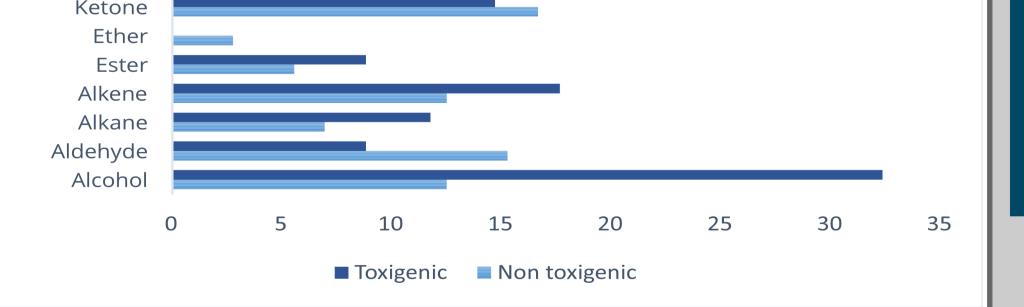


Others

Sesquiterpene

Increase sensitivity of the method





VOCs emitted by toxigenic and non toxigenic strains are different

- A part of the VOCs are constantly emitted by the strain during their growth
- VOCs specifically emitted by the toxigenic strain have been identified. They are potentiel biomarkers to develop specific sensors











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