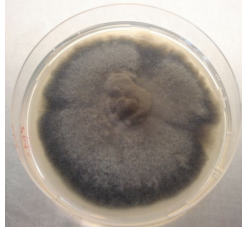
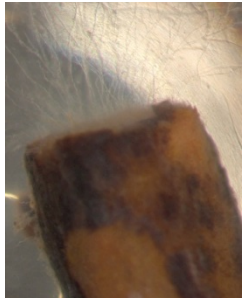
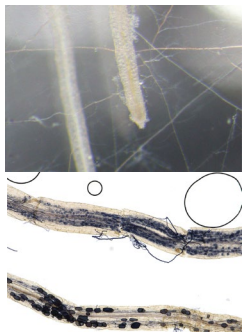


Contents



The course covers basic technologies for the isolation and characterization of root endophytic fungi. Plants collected by the participants will be used to study the outgrowth and morphology of fungal hyphae from surface-sterilised roots. DNA will be extracted from roots and fungal sequences will be amplified for molecular taxonomy. A number of root fragments will be used for selective staining and microscopy of fungal structures. The course will also outline the interactions of root-endophytic fungi and plants and their potential use in sustainable plant production.

Learning and qualification objectives



Overview about the interactions of microorganisms with plant roots and detailed knowledge of fungal endophytes. Carrying out the practical work of the course is required to reach the study objectives of the module. Further information will be provided at the beginning of the course.

Adm. for exam: Seminar talk (passed)

Exam: Protocol (100 %)

The course takes place in the summer semester. The dates for the course are set together with the participants at an initial virtual meeting.