Visiting Professor Program  
Academic Year 2023/2024

TEACHING COMMITMENT: 12 hours

COURSE TITLE
Interactions among Plants Microorganisms and Environment

TEACHING PERIOD
1st term

SCIENTIFIC AREA
Plant biology

LANGUAGE USED TO TEACH
English

COURSE SUMMARY
Mycorrhiza ecology and research methods. Nutritional ecology of mycorrhizal fungi, biological interactions in hyphosphere, niche differentiation of AM fungi and hyphosphere microbiota, basic and advanced methods in research of plant-AM fungi-bacteria interaction.

LEARNING OBJECTIVES
Develop significant knowledge of the principles and methods of mycorrhiza ecology. Recognize the functional relationships between plants, mycorrhizal fungi and their associated microbiota. Understand the ecological role of major interactions between mycorrhizal fungi and bacteria that impact ecosystem function and species coexistence. Be able to understand and critique primary literature studies that examine fungal ecology.
TUTORSHIP ACTIVITIES
N/A

LAB ACTIVITIES
N/A

OTHER ACTIVITIES BESIDES THE COURSE
N/A

VISITING PROFESSOR PROFILE
Expert in fungal ecology, plant nutrition and plant-microbe interactions. Preference will be given to candidates with expertise in plant microbiota and multivitrophic interactions between root-associated fungi and fungal-associated bacteria.

CONTACT REFERENT
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